

HYDRONIX™

WATER TECHNOLOGY

An American Company

PRODUCT CATALOG



POLARIS
SCIENTIFIC UV

AQUATROL

HYDRO
GUARD

HydroScientific

HYDRON
MEMBRANE TECHNOLOGY

hydrofit

SHOCKBLOK

FLOWLOCK

TRITON iXC



www.hydronixwater.com

✓ PRICE

✓ PERFORMANCE

✓ PROFITABILITY

✓ RELIABILITY



HYDRONIX™...
The H in Your H₂O

www.hydronixwater.com

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Company Profile



Hydronix Water Technology | Philosophy • Vision • Values

Hydronix Water Technology was established to be a true partner and important ally to all of its global customers for the growth and profitability of their businesses. We understand that core values are essential in building strong business relationships and we are committed to offering our customers these core values.

Philosophy

Our goal and business philosophy is rooted in providing our customers with the best value products in the water filtration, purification and separation industry. We strive to provide distributors and OEMs quality, innovative, reliable products which exceed quality expectations, while maintaining price competitiveness.

We at Hydronix Water Technology believe in being a true advocate of our customers business growth and strong partner in their business development objectives. We believe in building strong, long lasting relationships and believe this can be achieved without becoming our customer's closest competitor.

Vision

Our vision at Hydronix Water Technology is to be the premier supplier and brand of choice to all professionals in the water treatment industry and all related markets globally.

Hydronix Water Technology is committed to broad development of its key brands and to the control standards which will allow us to reach our objectives. Brand development is geared towards the evolution of independent operating divisions within the Hydronix family of products. Each one with the potential to create ongoing growth opportunities for our employees as we expand our work force globally. As a global supplier, Hydronix Water Technology's vision is to be a global leader in product innovation and a tried and true staple of value and profitability to our customers.

Values

Hydronix Water Technology believes that a true business partner is founded on many virtues which make a company exceptional. We are deeply convinced that in order to become that partner, relationships must always be based on fairness, listening to our customers, honoring commitments and adhering to all the core business values that have made us successful.

Hydronix Water Technology | Our Brands



Sediment filters, carbon blocks, housings, pressure vessels and a wide variety of water filtration components.



Control valves, pressure tanks, distributors, hub & laterals, resin, carbon, pressurized tanks, chemical feed pumps and accessories for residential, commercial, and industrial applications.



Ultraviolet systems from 1 GPM to 200 GPM.



Quick connect fittings and tubing.



Reverse Osmosis membranes for residential and commercial use.



Fluid processing cartridges for industrial applications.



Shok Blok™ is an easy to use, economical device that limits water pressure entering a water filter, water cooler, drink dispenser, ice maker, coffee machine, or Reverse Osmosis system.



Leak protection products designed to safe guard water filtration systems.



Commercial reverse osmosis systems.

Minimum Orders

The minimum dollar amount for orders for authorized customers is \$100.

Payment Terms

Terms are given on approved credit. Payment is due within thirty (30) days from the date of invoice with prior credit approval. Otherwise, payments are due prior to shipment by check, wire transfer or credit card. COD shipments are to be paid by certified check, cashier's check or company check.

International Customers

Payments are due in USA dollars (\$) by advance payment, wire transfer, check or credit card, covering merchandise and any prepaid freight charges that may apply.

Shipments

All shipments are F.O.B. Ontario, California, USA, unless otherwise specified.

Transportation

Claims for damaged goods in shipment or shortages must be made by the customer directly to freight carrier immediately after receipt of goods. All damages or shortages must be noted on bill of lading at time of delivery. Shipper will not be responsible for short items if not noted on bill of lading with freight carrier. Product should be inspected promptly and any damaged items must be reported with three (3) working days of receipt. Damaged products or packaging should NEVER be disposed of without prior consent from Hydronix Water Technology.

Order Placement

We ask our customers to place all orders via fax or e-mail:

Fax: 909.527.6997

E-mail: sales@hydronixwater.com

Limited Warranty

DISCLAIMER OF WARRANTIES. Except as expressly warranted in writing by Hydronix water technology, the goods sold by Hydronix Water Technology are purchased by the buyer "as is." Hydronix Water Technology does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by Hydronix Water Technology, Hydronix Water Technology makes no representation or warranty of any kind with respect to the products.

LIMITATION OF LIABILITY. In no event shall Hydronix Water Technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix Water Technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix Water Technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix Water Technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix Water Technology and the purchaser.

**It is important that our customers inspect their product within three (3) days of receiving shipment. Claims made after 3 days of receipt of product will not be accepted.*

Prices

All prices are subject to change without notice.

Past Due Accounts

Past due accounts will be charged interest at a rate of 1.5% per month.

Special Orders

All special orders are non returnable or if accepted are subject to a 50% restocking fee.

Policy

The general information described above supersedes any previously written terms and conditions that appear in company documents. Any changes made to our general information must be authorized by Hydronix Water Technology in writing.

Filters | Cartridges

- 6 **SDC** Sediment Depth Cartridges
- 7 **SGC** Sediment Grooved Cartridges
- 8 **SBC** Sediment Bonded Depth Cartridges
- 9 **SWC** String Wound Cartridges
- 10 **SPC** Polyester Pleated Cartridges
- 11 **ICF** Inline Filters
- 11 **SDP** Sediment Dual Purpose Cartridges
- 12 **CB** Carbon Block Filters
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- 13 **EC** Empty Cartridges
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Housings & Faucets

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- 19 **HF5HT** Commercial High Temperature Filter Housings
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- 23 **RO** Storage Tanks
- 23 **RO** RO Residential & Light Commercial Systems
- 23 **RO** HYDRO GUARD™ TWIST RO System

Brackets & Components

- 24 **FM** Brackets
- 25 **FLK** FLOWLOK™ Leak Detector
- 25 **IFR** Flow Restrictors
- 25 **CLP** Mounting Clips
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- 25 **DS** Drain Saddles
- 26 **PMP** Booster Pumps & Pump Switches
- 26 **WNV/ASVA/SV/BV** Feed Water Valves
- 26 **BSV/SSV** Solenoid Valves
- 27 **CNTP** Countertop Components
- 27 **NV** Needle Valves

SS Vessels, Gauges & Meters

- 28 **SPV** SS Membrane Vessels
- 29 **FRPV** FRP Pressure Vessels
- 30 **MRH** SS Filter Housings
- 31 **BF** SS Bag Filter Housings
- 31 **T** SS T Series Single Element Filter Housings
- 32 **PG** Pressure Gauges
- 33 **PFM/AFM/IFM** Flow meters

AQUATROL™

- 36 **AT** Pressure Tanks
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HYDRON™

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SDC Series

Sediment Depth Cartridges



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

HYDRONIX SDC SERIES 2.5" DIAMETER CARTRIDGES

The Hydronix Series 2.5" diameter SDC cartridge is an economical solution to pre-filtration for many applications. SDC cartridges are widely used as pre-filtration for RO systems and post-filtration for GAC filters. They are also used in applications such as ice machines, film processing, beverage, coffee, analytical, wineries, and many others.

HYDRONIX SDC SERIES 4.5" DIAMETER CARTRIDGES

Our 4.5" diameter SDC filters have true multi-stage depth filtration integrated into their design. Utilizing our technology to create four separate layers of micron filtration, SDC cartridges allow the outer layer to trap the larger sized particles, resulting in a much lower pressure drop compared to conventional filters. Trapping various sized particles layer-by-layer, our SDC Series filters provide a much higher dirt holding capacity than standard spun polypropylene and string wound cartridges.

2.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	SDC-25-0501	2.5" x 4 7/8"	1	80	13 x 11 x 21	14	6.35
	SDC-25-0505	2.5" x 4 7/8"	5	80	13 x 11 x 21	14	6.35
	SDC-25-0510	2.5" x 4 7/8"	10	80	13 x 11 x 21	14	6.35
10"	SDC-25-1001	2.5" x 9 7/8"	1	40	13 x 11 x 21	14	6.35
	SDC-25-1005	2.5" x 9 7/8"	5	40	13 x 11 x 21	14	6.35
	SDC-25-1010	2.5" x 9 7/8"	10	40	13 x 11 x 21	14	6.35
	SDC-25-1020	2.5" x 9 7/8"	20	40	13 x 11 x 21	14	6.35
	SDC-25-1050	2.5" x 9 7/8"	50	40	13 x 11 x 21	14	6.35
20"	SDC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	14	6.35
	SDC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	14	6.35
	SDC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	14	6.35
	SDC-25-2020	2.5" x 20"	20	20	13 x 11 x 21	14	6.35
	SDC-25-2050	2.5" x 20"	50	20	13 x 11 x 21	14	6.35
30"	SDC-25-3001	2.5" x 30"	1	20	13 x 11 x 31	18	8.16
	SDC-25-3005	2.5" x 30"	5	20	13 x 11 x 31	18	8.16
	SDC-25-3010	2.5" x 30"	10	20	13 x 11 x 31	18	8.16
	SDC-25-3025	2.5" x 30"	25	20	13 x 11 x 31	18	8.16
	SDC-25-3075	2.5" x 30"	75	20	13 x 11 x 31	18	8.16
40"	SDC-25-4001	2.5" x 40"	1	20	13 x 11 x 41	23	10.43
	SDC-25-4005	2.5" x 40"	5	20	13 x 11 x 41	23	10.43
	SDC-25-4010	2.5" x 40"	10	20	13 x 11 x 41	23	10.43
	SDC-25-4025	2.5" x 40"	25	20	13 x 11 x 41	23	10.43
	SDC-25-4075	2.5" x 40"	75	20	13 x 11 x 41	23	10.43
50"	SDC-25-5005	2.5" x 50"	5	20	13 x 11 x 51	27	12.25

* Special lengths and diameters available for contract orders.

4.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDC-45-1001	4.5" x 9 7/8"	1	12	14 x 10 x 21	15	6.80
	SDC-45-1005	4.5" x 9 7/8"	5	12	14 x 10 x 21	15	6.80
	SDC-45-1010	4.5" x 9 7/8"	10	12	14 x 10 x 21	15	6.80
	SDC-45-1020	4.5" x 9 7/8"	20	12	14 x 10 x 21	15	6.80
	SDC-45-1050	4.5" x 9 7/8"	50	12	14 x 10 x 21	15	6.80
20"	SDC-45-2001	4.5" x 20"	1	6	14 x 10 x 21	15	6.80
	SDC-45-2005	4.5" x 20"	5	6	14 x 10 x 21	15	6.80
	SDC-45-2010	4.5" x 20"	10	6	14 x 10 x 21	15	6.80
	SDC-45-2020	4.5" x 20"	20	6	14 x 10 x 21	15	6.80
	SDC-45-2050	4.5" x 20"	50	6	14 x 10 x 21	15	6.80

Features & Benefits

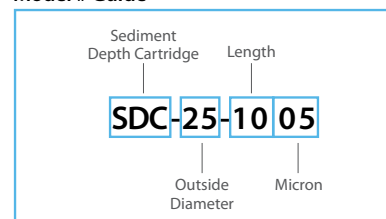
- Certified to NSF standard 42, FDA approved material
- 100% high purity Polypropylene, surfactant free, binder free, and adhesive free
- High chemical resistance
- Four layers, outside-in flow and step-by-step micron rating that effectively retains particles and extends the filter life with a much lower pressure drop

Series Specifications

- Nominal micron ratings: 1, 5, 10, 20, 25, 50 and 75
- Materials of construction: 100% Polypropylene
- Available lengths: 4 7/8", 9 7/8", 20", 30" and 40"
- Inside diameter: 1.1"
- Outside diameter: 2.5", 4.5"

Special lengths, diameters and micron levels available upon request

Model # Guide

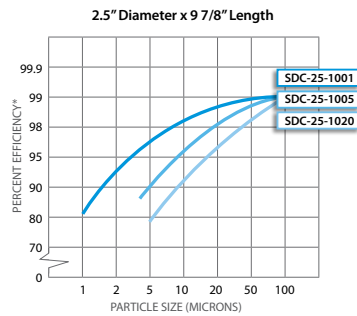


SDC Series

Sediment Depth Cartridges

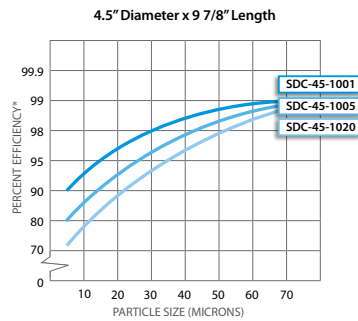
Product Applications

- Electroplating, etching, and image developing processes in PCB Industry
- Filtration for electroplating industry
- Pre-filter for DI and RO water filtration systems
- Pre-filtration for low viscosity chemicals
- Pre-filtration for manufacturing and water recycling



Operating Data

- Maximum operating temperature: 145 °F (63°C)
- Maximum pressure drop: 69 °F (20°C) 46.4 psi (3.2 kg/cm2)
- Recommended replaceable pressure drop: 21.75 PSI (1.5 kg/cm2)
- Temperature range: 40 °F to 145 °F (4.4 °C to 62.8 °C)
- Maximum flow: 2-8 GPM (Depending on micron rating)



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

SGC Series

Sediment Grooved Cartridges

HYDRONIX SGC SERIES SEDIMENT GROOVED CARTRIDGES

are a reliable and economical solution for pre filtration in many applications. Typically utilized for pre filtration in Reverse Osmosis systems and post filtration in GAC filters, Hydronix SGC Cartridges with their grooved design offer a larger filtration area for longer life and larger filtration capacity.

*For more detailed information, please refer to the product specifications sheet.

SGC SERIES SPECIFICATIONS								
	Part Number	Description	Initial ΔP (psi) at Flow Rate (GPM)	Micron	Case Qty	Box Dimension (inches)	Weight (lbs)	Weight (kgs)
10"	SGC-25-1001	2.5" x 9 7/8"	0.6 psi at 5 gpm (.04 bar at 19 L/min)	1	40	13 x 11 x 21	15	6.80
	SGC-25-1005	2.5" x 9 7/8"	0.4 psi at 5 gpm (.03 bar at 19 L/min)	5	40	13 x 11 x 21	15	6.80
20"	SGC-25-2001	2.5" x 20"	0.6 psi at 10 gpm (.04 bar at 38 L/min)	1	20	13 x 11 x 21	15	6.80
	SGC-25-2005	2.5" x 20"	0.4 psi at 10 gpm (.03 bar at 38 L/min)	5	20	13 x 11 x 21	15	6.80
30"	SGC-25-3001	2.5" x 30"	0.4 psi at 15 gpm (.03 bar at 57 L/min)	1	20	13 x 11 x 31	22.5	10.21
	SGC-25-3005	2.5" x 30"	0.3 psi at 15 gpm (.02 bar at 57 L/min)	5	20	13 x 11 x 31	22.5	10.21
40"	SGC-25-4001	2.5" x 40"	0.3 psi at 20 gpm (.02 bar at 76 L/min)	1	20	13 x 11 x 41	30	13.61
	SGC-25-4005	2.5" x 40"	0.3 psi at 20 gpm (.02 bar at 76 L/min)	5	20	13 x 11 x 41	30	13.61

Product Applications

- Food and beverage processing
- Pre-filter for DI and RO water filtration systems
- Pre-filtration for manufacturing and water recycling
- Certified NSF Standard 42 / FDA approved material

Operating Data

- Max. operating temperature: 145 °F (63°C)
- Max. pressure drop: 69 °F (20 °C) 46.4 psi (3.2 kg/cm2)
- Recommended replaceable pressure drop: 21.75 PSI (1.5 kg/cm2)
- Temperature range: 40 °F to 145 °F (4.4 °C to 62.8 °C)
- Maximum flow: 2-8 GPM (Depending on micron rating)

Materials of Construction

- Filter Media: Polypropylene
- Temperature Range: 40 °F to 145 °F (4.4 °C to 62.8 °C)

SBC Series

Sediment Bonded Depth Cartridges

HYDRONIX SBC SERIES SEDIMENT BONDED DEPTH CARTRIDGES

are specially designed thermally bonded Polypropylene filters that provide superior filtration performance. SBC Bonded Depth Cartridges utilize a durable Polypropylene center core for increased strength and structural integrity.

HYDRONIX SBC SERIES BONDED DEPTH CARTRIDGES

have fine grooves on the outside of the filter for increased surface area and will not impart color, taste and odor on the liquid being filtered. SBC cartridges produce consistent flow rates and have no fiber release, making them ideal for food and beverage applications.

Hydronix SBC Sediment Depth Cartridges comply with FDA CFR21 regulations for use in food and beverage applications.



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Initial ΔP (psi) at Flow Rate (GPM)	Micron	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SBC-25-1001	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	1	40	13 x 11 x 21	15	6.35
	SBC-25-1005	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	5	40	13 x 11 x 21	15	6.35
	SBC-25-1010	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	10	40	13 x 11 x 21	15	6.35
	SBC-25-1020	2.5" x 9 7/8"	<2 psi at 2 gpm (<0.14 bar at 7.6 L/min)	20	40	13 x 11 x 21	15	6.35
19 1/2"	SBC-25-1951	2.5" x 19 1/2"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	1	20	13 x 11 x 21	14	6.35
	SBC-25-1955	2.5" x 19 1/2"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	5	20	13 x 11 x 21	14	6.35
20"	SBC-25-2001	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	1	20	13 x 11 x 21	14	6.35
	SBC-25-2005	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	5	20	13 x 11 x 21	14	6.35
	SBC-25-2010	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	10	20	13 x 11 x 21	14	6.35
	SBC-25-2020	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	20	20	13 x 11 x 21	14	6.35
	SBC-25-2050	2.5" x 20"	<2 psi at 5 gpm (<0.14 bar at 19 L/min)	50	20	13 x 11 x 21	14	6.35
29 1/4"	SBC-25-29141	2.5" x 29 1/4"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	1	20	13 x 11 x 31	22	9.97
	SBC-25-29145	2.5" x 29 1/4"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	5	20	13 x 11 x 31	22	9.97
	SBC-25-291410	2.5" x 29 1/4"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	10	20	13 x 11 x 31	22	9.97
30"	SBC-25-3001	2.5" x 30"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	1	20	13 x 11 x 31	22	9.97
	SBC-25-3005	2.5" x 30"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	5	20	13 x 11 x 31	22	9.97
	SBC-25-3010	2.5" x 30"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	10	20	13 x 11 x 31	22	9.97
	SBC-25-3020	2.5" x 30"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	20	20	13 x 11 x 31	22	9.97
	SBC-25-3050	2.5" x 30"	<2 psi at 9 gpm (<0.14 bar at 34 L/min)	50	20	13 x 11 x 31	22	9.97
39"	SBC-25-3901	2.5" x 39"	<2 psi at 13 gpm (<0.14 bar at 49 L/min)	1	20	13 x 11 x 41	28	12.70
	SBC-25-3905	2.5" x 39"	<2 psi at 13 gpm (<0.14 bar at 49 L/min)	5	20	13 x 11 x 41	28	12.70
40"	SBC-25-4001	2.5" x 40"	<2 psi at 13 gpm (<0.14 bar at 49 L/min)	1	20	13 x 11 x 41	30	13.61
	SBC-25-4005	2.5" x 40"	<2 psi at 13 gpm (<0.14 bar at 49 L/min)	5	20	13 x 11 x 41	30	13.61
	SBC-25-4005-S5	2.5" x 40", 222/FIN	<2 psi at 13 gpm (<0.14 bar at 49 L/min)	5	20	13 x 11 x 41	31	14.06

Product Applications

- Electronic Components
- Plating
- Parts Washing
- Pulp and Paper
- Ink
- Bottled Water
- Soft Drinks
- Juice
- Oil and Gas
- Pre-RO
- Rinse Water

Operating Conditions

Maximum Differential Pressure

- 15 psid at 175 °F (1.0 bar at 80 °C)
- 25 psid at 140 °F (1.7 bar at 60 °C)
- 60 psid at 68 °F (4.13 bar at 20 °C)

Recommended Change Out Differential Pressure

- 35 psi (2.4 bar)

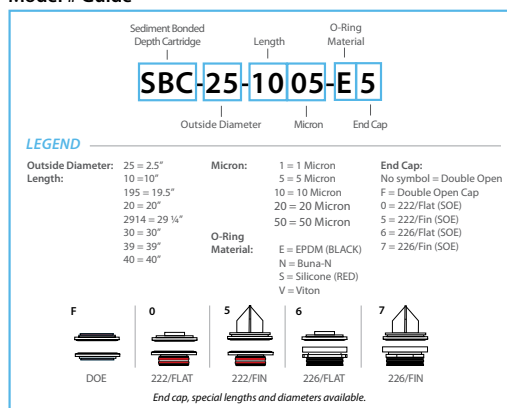
Materials of Construction

- Polypropylene

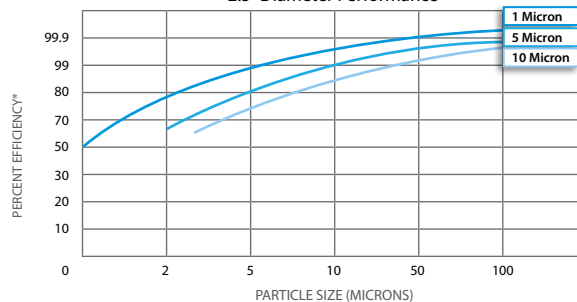
Temperature Rating

- 40 °F to 175 °F (4.4 °C to 79.4 °C)

Model # Guide



2.5" Diameter Performance



*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

SWC Series

String Wound Cartridges

HYDRONIX SWC SERIES STRING WOUND CARTRIDGES

A cost effective solution for the reduction of sand, silt, rust, dirt and scale particles. Made from 100% Polypropylene cord, SWC Series String Wound Cartridges can withstand temperatures of up to 165 °F (73.9 °C).

HYDRONIX SWC SERIES STRING WOUND CARTRIDGES

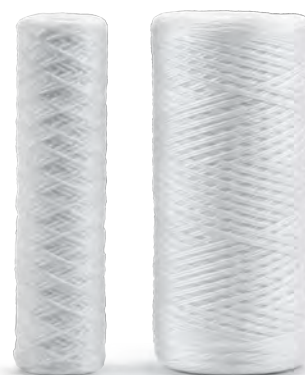
are suitable for a variety of applications including residential and commercial applications using both municipal and well water. Different wound patterns for different micron ratings ensure that you are getting the right product for the right application.

Materials of Construction

- Filter Media: Polypropylene Fiber Cord
- Core: Polypropylene

Temperature Rating

- 40°F to 165°F (4.4 °C to 73.9 °C)



2.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SWC-25-10-0.5	2.5" x 10"	.5	40	13 x 11 x 21	17	7.71
	SWC-25-1001	2.5" x 10"	1	40	13 x 11 x 21	17	7.71
	SWC-25-1005	2.5" x 10"	5	40	13 x 11 x 21	17	7.71
	SWC-25-1010	2.5" x 10"	10	40	13 x 11 x 21	17	7.71
	SWC-25-1020	2.5" x 10"	20	40	13 x 11 x 21	17	7.71
	SWC-25-1030	2.5" x 10"	30	40	13 x 11 x 21	17	7.71
	SWC-25-1050	2.5" x 10"	50	40	13 x 11 x 21	17	7.71
	SWC-25-10100	2.5" x 10"	100	40	13 x 11 x 21	17	7.71
20"	SWC-25-20-0.5	2.5" x 20"	.5	20	13 x 11 x 21	17	7.71
	SWC-25-2001	2.5" x 20"	1	20	13 x 11 x 21	17	7.71
	SWC-25-2005	2.5" x 20"	5	20	13 x 11 x 21	17	7.71
	SWC-25-2010	2.5" x 20"	10	20	13 x 11 x 21	17	7.71
	SWC-25-2020	2.5" x 20"	20	20	13 x 11 x 21	17	7.71
	SWC-25-2030	2.5" x 20"	30	20	13 x 11 x 21	17	7.71
	SWC-25-2050	2.5" x 20"	50	20	13 x 11 x 21	17	7.71
	SWC-25-20100	2.5" x 20"	100	20	13 x 11 x 21	17	7.71
30"	SWC-25-3001	2.5" x 30"	1	20	13 x 11 x 31	28	12.70
	SWC-25-3005	2.5" x 30"	5	20	13 x 11 x 31	28	12.70
	SWC-25-3010	2.5" x 30"	10	20	13 x 11 x 31	28	12.70
	SWC-25-3020	2.5" x 30"	20	20	13 x 11 x 31	28	12.70
	SWC-25-3030	2.5" x 30"	30	20	13 x 11 x 31	28	12.70
	SWC-25-3050	2.5" x 30"	50	20	13 x 11 x 31	28	12.70
	SWC-25-30100	2.5" x 30"	100	20	13 x 11 x 31	28	12.70
40"	SWC-25-4001	2.5" x 40"	1	20	13 x 11 x 41	38	17.23
	SWC-25-4005	2.5" x 40"	5	20	13 x 11 x 41	38	17.23
	SWC-25-4010	2.5" x 40"	10	20	13 x 11 x 41	38	17.23
	SWC-25-4020	2.5" x 40"	20	20	13 x 11 x 41	38	17.23
	SWC-25-4030	2.5" x 40"	30	20	13 x 11 x 41	38	17.23
	SWC-25-4050	2.5" x 40"	50	20	13 x 11 x 41	38	17.23
	SWC-25-40100	2.5" x 40"	100	20	13 x 11 x 41	38	17.23

4.5" DIAMETER SPECIFICATIONS							
	Part Number	Description	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SWC-45-10-0.5	4.5" x 10"	.5	12	14 x 10 x 21	18	8.16
	SWC-45-1001	4.5" x 10"	1	12	14 x 10 x 21	18	8.16
	SWC-45-1005	4.5" x 10"	5	12	14 x 10 x 21	18	8.16
	SWC-45-1010	4.5" x 10"	10	12	14 x 10 x 21	18	8.16
	SWC-45-1020	4.5" x 10"	20	12	14 x 10 x 21	18	8.16
	SWC-45-1030	4.5" x 10"	30	12	14 x 10 x 21	18	8.16
	SWC-45-1050	4.5" x 10"	50	12	14 x 10 x 21	18	8.16
	SWC-45-10100	4.5" x 10"	100	12	14 x 10 x 21	18	8.16
20"	SWC-45-20-0.5	4.5" x 20"	.5	6	14 x 10 x 21	18	8.16
	SWC-45-2001	4.5" x 20"	1	6	14 x 10 x 21	18	8.16
	SWC-45-2005	4.5" x 20"	5	6	14 x 10 x 21	18	8.16
	SWC-45-2010	4.5" x 20"	10	6	14 x 10 x 21	18	8.16
	SWC-45-2020	4.5" x 20"	20	6	14 x 10 x 21	18	8.16
	SWC-45-2030	4.5" x 20"	30	6	14 x 10 x 21	18	8.16
	SWC-45-2050	4.5" x 20"	50	6	14 x 10 x 21	18	8.16
	SWC-45-20100	4.5" x 20"	100	6	14 x 10 x 21	18	8.16

*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. *Special lengths and diameter available.

SPC Series Polyester Pleated Cartridges



HYDRONIX SPC SERIES POLYESTER PLEATED CARTRIDGES

are manufactured from durable polyester to provide you with a superior pleated cartridge that is durable, washable, and reusable. The Polyester media is pleated around a Polypropylene core for added strength and the ends are immersed in a thermosetting Vinyl Plastisol which fuses the three components together forming a unified end cap and gasket.

HYDRONIX SPC SERIES POLYESTER PLEATED CARTRIDGES

are bacteria and chemical resistant and provide great dirt holding capacity to extend the time between cartridge change outs.

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPC-25-1001	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	40	13 x 11 x 21	14	6.35
	SPC-25-1005	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	40	13 x 11 x 21	14	6.35
	SPC-25-1010	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	40	13 x 11 x 21	14	6.35
	SPC-25-1020	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	40	13 x 11 x 21	14	6.35
	SPC-25-1030	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	40	13 x 11 x 21	14	6.35
	SPC-25-1050	2.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	40	13 x 11 x 21	14	6.35
20"	SPC-25-2001	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	20	13 x 11 x 21	14	6.35
	SPC-25-2005	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	20	13 x 11 x 21	14	6.35
	SPC-25-2010	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	20	13 x 11 x 21	14	6.35
	SPC-25-2020	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	20	13 x 11 x 21	14	6.35
	SPC-25-2030	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	20	13 x 11 x 21	14	6.35
	SPC-25-2050	2.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	20	13 x 11 x 21	14	6.35
30"	SPC-25-3001	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	20	13 x 11 x 31	18	8.16
	SPC-25-3005	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	20	13 x 11 x 31	18	8.16
	SPC-25-3010	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	20	13 x 11 x 31	18	8.16
	SPC-25-3020	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	20	13 x 11 x 31	18	8.16
	SPC-25-3030	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	20	13 x 11 x 31	18	8.16
	SPC-25-3050	2.5" x 30"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	20	13 x 11 x 31	18	8.16
40"	SPC-25-4001	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	20	13 x 11 x 41	23	10.43
	SPC-25-4005	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	20	13 x 11 x 41	23	10.43
	SPC-25-4010	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	20	13 x 11 x 41	23	10.43
	SPC-25-4020	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	20	13 x 11 x 41	23	10.43
	SPC-25-4030	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	20	13 x 11 x 41	23	10.43
	SPC-25-4050	2.5" x 40"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	20	13 x 11 x 41	23	10.43

4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Initial ΔP (psi) at Flow Rate (gpm)	Micron Rating	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SPC-45-1001	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	1	12	14 x 10 x 21	12	5.44
	SPC-45-1005	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	5	12	14 x 10 x 21	12	5.44
	SPC-45-1010	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	10	12	14 x 10 x 21	12	5.44
	SPC-45-1020	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	20	12	14 x 10 x 21	12	5.44
	SPC-45-1030	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	30	12	14 x 10 x 21	12	5.44
	SPC-45-1050	4.5" x 9 3/4"	1 psi at 10 gpm (.1 bar at 38 L/min)	50	12	14 x 10 x 21	12	5.44
20"	SPC-45-2001	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	1	6	14 x 10 x 21	12	5.44
	SPC-45-2005	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	5	6	14 x 10 x 21	12	5.44
	SPC-45-2010	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	10	6	14 x 10 x 21	12	5.44
	SPC-45-2020	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	20	6	14 x 10 x 21	12	5.44
	SPC-45-2030	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	30	6	14 x 10 x 21	12	5.44
	SPC-45-2050	4.5" x 20"	1 psi at 20 gpm (.1 bar at 76 L/min)	50	6	14 x 10 x 21	12	5.44

*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Materials of Construction

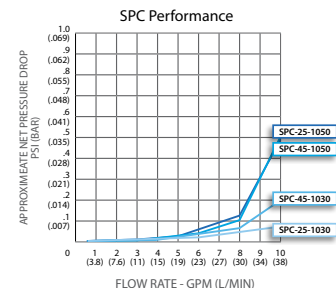
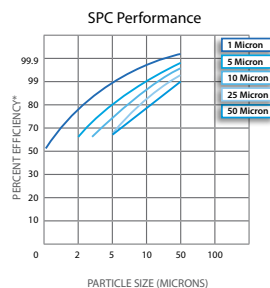
- Filter Media: Non-woven polyester
- End Caps: Vinyl Plastisol
- Core: Polypropylene

Temperature Rating

- 40 °F to 125 °F (4.4 °C to 51.7 °C)

Flow Rates	Microns	2.5" x 10"	2.5" x 20"	4.5" x 10"	4.5" x 20"
	1	4	8	15	25
	5	7	14	15	25
	10	7	14	15	25
	20	8	16	15	25
	30	8	16	15	25
	50	10	20	15	25

Flow Rates in GPMs



ICF & ISF Series

Inline Filters



HYDRONIX ICF SERIES INLINE FILTERS

utilize NSF listed coconut shell GAC and are designed to remove unpleasant taste and odor and reduce sediment to produce cleaner, clearer, better tasting water. Hydronix ICF Series Granular Activated Carbon Filters are easily installed on the water line to an automatic ice maker, Reverse Osmosis System or water dispensing system.



ICF, ISF & SDP Series

Chlorine Taste & Odor Reduction

Coconut Shell Carbon -

- Service Life: 1 yr or 2000 gal (7570 L)
- Maximum Flow: .50GPM (1.9 LPM)
- Maximum Pressure: 125 PSI (8.6 BAR)
- Maximum Temp: 100 °F (38 °C)
- Minimum Temp: 35 °F (2 °C)

Dirt & Sand Reduction

- Service Life: Applications vary
- Maximum Flow: .50 GPM (1.9 GPM)
- Maximum Pressure: 125 PSI (8.6 BAR)
- Maximum Temp: 100°F (38 °C)
- Minimum Temp: 35 °F (2 °C)
- Micron Rating: 5M

Product Applications

- Ice makers
- Reverse Osmosis systems
- Coffee makers
- Refrigerators
- Water Coolers and Others.

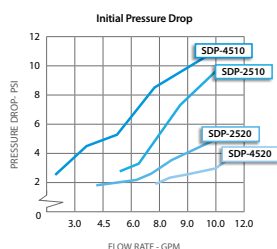
2" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
6"	ICF-6	Inline Coconut Filter: 1,000 Gallon, 2" x 6", 1/4" FNPT	50	11 x 11 x 11	18	8.16
	ICF-6Q	Inline Coconut Filter: 1,000 Gallon, 2" x 6", 1/4" Hydrofit™ QC	50	11 x 11 x 11	18	8.16
	ICF-6Q38	Inline Coconut Filter: 1,000 Gallon, 2" x 6", 3/8" Hydrofit™ QC	50	12 x 11 x 11	18	8.16
10"	ICF-10	Inline Coconut Filter: 2,000 Gallon, 2" x 10", 1/4" FNPT	25	10.5 x 10.5 x 10.5	17	7.71
	ICF-10Q	Inline Coconut Filter: 2,000 Gallon, 2" x 10", 1/4" Hydrofit™ QC	25	10.5 x 10.5 x 10.5	17	7.71
	ICF-10Q38	Inline Coconut Filter: 2,000 Gallon, 2" x 10", 3/8" Hydrofit™ QC	25	10.5 x 10.5 x 10.5	17	7.71
	ISF-10	Inline Sediment Filter: 2" x 10", 1/4" FNPT	25	10.5 x 10.5 x 10.5	12	5.44
	ISF-10Q	Inline Sediment Filter: 2" x 10", 1/4" FNPT Hydrofit™ QC	25	10.5 x 10.5 x 10.5	12	5.44

2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
12"	ICF-2512	Inline Coconut Filter: 3,500 Gallon, 2.5" x 12", 1/4" FNPT	25	13 x 13 x 12	26	11.79
	ICF-2512Q	Inline Coconut Filter: 3,500 Gallon, 2.5" x 12", 1/4" Hydrofit™ QC	25	13 x 13 x 12	27	12.25
	ISF-2512	Inline Sediment Filter: 2.5" x 12", 1/4" FNPT	25	13 x 13 x 12	19	8.62
	ISF-2512Q	Inline Sediment Filter: 2.5" x 12", 1/4" Hydrofit™ QC	25	13 x 13 x 12	20	9.07

ALKALINE/ORP FILTER - 2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
	ICF-2512-ALK	Inline Alkaline/ORP Filter: 2,000 GAL, 2.5" X 12", 1/4" FNPT	25	13 x 13 x 12	50	22.73

Available Port Sizes: 1/4" Female NPT Basic; 1/4" Hydrofit™ Quick Connect; and 3/8" Hydrofit™ Quick Connect.

*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



SDP Series

Sediment Dual Purpose Cartridges

HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

provide a unique design combining all the benefits of a Granular Activated Carbon (GAC) filter and that of a Sediment filter. This combination produces higher flow rates and low pressure drop while providing you with effective chlorine taste and odor reduction.

HYDRONIX SDP SERIES SEDIMENT DUAL PURPOSE CARTRIDGES

have a radial flow design and are ideal for higher flow Point of Entry (POE) applications. They provide less carbon fine release and are available in a different sizes.

SDP SERIES SPECIFICATIONS						
	Part Number	Description	Initial ΔP (psi) at Flow Rate (GPM)	Chlorine Taste & Odor Reduction at Flow Rate (GPM)		
2 1/2"	SDP-2510	2 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	.6 psi at 1 gpm (.04 bar at 3.8 L/min)	> 5,000 gallons at 1 gpm (18,927 liters at 3.8 L/min)		
	SDP-2520	2 1/2" x 20" Sediment Dual Purpose Cartridge	.6 psi at 2 gpm (.04 bar at 7.6 L/min)	> 10,000 gallons at 2 gpm (37,854 liters at 7.6 L/min)		
4 1/2"	SDP-4510	4 1/2" x 9 3/4" Sediment Dual Purpose Cartridge	.9 psi at 2 gpm (.06 bar at 7.6 L/min)	> 50,000 gallons at 2 gpm (189,270 liters at 7.6 L/min)		
	SDP-4520	4 1/2" x 20" Sediment Dual Purpose Cartridge	.9 psi at 4 gpm (.06 bar at 15.1 L/min)	>100,000 gallons at 4 gpm (378,541 liters at 15.2 L/min)		

Chlorine Taste & Odor Reduction

- Filter Media: Granular Activated Carbon
- Outer Shell: Polypropylene
- End Caps: Polypropylene
- Gasket: Buna-N
- Inner/Core: Polypropylene
- Outer Shell: 25 Micron

Temperature Rating

- 40 °F to 125 °F (4.4 °C to 51.7 °C)

*For more detailed information, please refer to the product specifications sheet.



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

CB Series Carbon Block Filters

HYDRONIX CB SERIES CARBON BLOCK FILTERS

are manufactured with high purity coconut shell carbon and are available in a wide range of lengths, diameters, and micron ratings. Hydronix CB Series Carbon Block Filters provide an excellent cost-to-performance value. With high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines, you will soon make the CB series your carbon block of choice.

HYDRONIX CB SERIES CARBON BLOCK FILTERS

can be used in a wide range of applications such as residential, food service, commercial, and industrial. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powdered Activated Carbon filters in application where high chlorine reduction is needed. They are ideal for point-of-use (POU) and Reverse Osmosis applications.

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (GPM)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	CB-25-0505	2.5"x 4 7/8"	3,000 at 1 gpm	5μm	2.0 psid at 1.0 gpm	40	16 x 13 x 11	22	9.98
	SMCB-2510	2.5"x 9 7/8"	20,000 at 0.5 gpm	0.5 μm	4.0 psid at 0.5 gpm	20	16 x 13 x 11	22	9.53
10"	CB-25-1001	2.5"x 9 7/8"	6,000 at 0.75 gpm	1 μm	4.0 psid at 0.75 gpm	20	16 x 13 x 11	21	9.53
	CB-25-1005	2.5"x 9 7/8"	6,000 at 1 gpm	5 μm	2.0 psid at 1.0 gpm	20	16 x 13 x 11	20	9.07
	CB-25-1010	2.5"x 9 7/8"	6,000 at 1.5 gpm	10 μm	2.0 psid at 1.0 gpm	20	16 x 13 x 11	16	7.36
	SMCB-2520	2.5"x 20"	40,000 at 1 gpm	0.5 μm	4.0 psid at 1 gpm	20	16 x 13 x 22	43	19.50
20"	CB-25-2001	2.5"x 20"	12,000 at 1.5 gpm	1 μm	4.0 psid at 1.5 gpm	20	16 x 13 x 22	43	19.50
	CB-25-2005	2.5"x 20"	9,000 at 2 gpm	5 μm	2.0 psid at 2.0 gpm	20	16 x 13 x 22	37	16.78
	CB-25-2010	2.5"x 20"	9,000 at 2.5 gpm	10 μm	2.0 psid at 2.0 gpm	20	16 x 13 x 22	36	16.33

4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (GPM)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SMCB-4510	4.5"x 9 7/8"	50,000 at 2 gpm	0.5 μm	4.6 psid at 2.0 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1001	4.5"x 9 7/8"	20,000 at 2.5 gpm	1 μm	7.0 psid at 2.5 gpm	9	15 x 15 x 11	31	14.06
	CB-45-1005	4.5"x 9 7/8"	12,000 at 3.5 gpm	5 μm	4.0 psid at 3.5 gpm	9	15 x 15 x 11	27	12.25
	CB-45-1010	4.5"x 9 7/8"	12,000 at 4.0 gpm	10 μm	4.0 psid at 4.0 gpm	9	15 x 15 x 12	24	10.89
20"	SMCB-4520	4.5"x 20"	100,000 at 26 gpm	0.5 μm	8.2 psid at 26 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2001	4.5"x 20"	17,000 at 1 gpm	1 μm	6.5 psid at 5.0 gpm	6	17 x 11 x 23	43	19.50
	CB-45-2005	4.5"x 20"	26,000 at 7 gpm	5 μm	4.5 psid at 7.0 gpm	6	17 x 11 x 23	38	17.24
	CB-45-2010	4.5"x 20"	26,000 at 8 gpm	10 μm	4.5 psid at 8.0 gpm	6	17 x 11 x 23	35	15.87

Materials of Construction

- Carbon: Coconut Shell Activated Carbon
- Netting: Polypropylene
- End Caps: Polypropylene
- Gaskets: Neoprene
- Outer Wrap: Polypropylene

Operating Data

- Maximum Operating Pressure: 250 PSI
- Maximum Differential Pressure: 100 PSID
- Collapse Pressure: 200 PSID

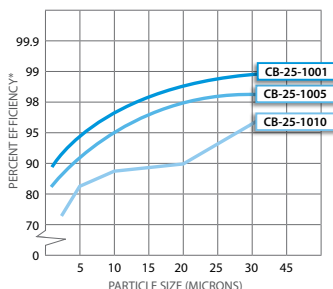
Temperature Rating

- 40 °F to 180 °F (4.4 °C to 82.2 °C)

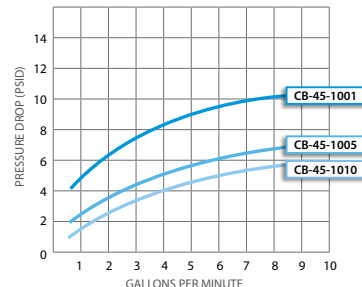
Maximum Flow Rates (GPMs)

Microns	2.5" x 10"	2.5" x 20"	4.5" x 10"	4.5" x 20"
0.5	1.5	1.5	3	3
1	1.5	1.5	3	3
5	1	1	2	2
10	1	1	2	2

2.5" Diameter x 9 7/8" Length



4.5" Diameter x 9 7/8" Length



*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. CB Series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation follow the instructions for flushing the cartridge to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

NOTE: Micron ratings based on 85% or greater removal of given particle size.

UDF Series

GAC / Media Filters



HYDRONIX UDF SERIES GAC / MEDIA FILTERS

are available in 10", 20" lengths, 2.5", 4.5" diameters. Hydronix GAC filters utilize high quality coconut shell carbon, resin and KDF (known to be one of the most effective media for removal of organic compounds including VOCs, radon, chlorine, bad taste and odor). Hydronix UDF Series GAC/Media Filters combine both quality and reliability at a competitive cost.

Operating Data

- Min. Working Pressure: 20 PSI
- Max. Working Pressure: 125 PSI

Temperature Rating

- 40 °F to 125 °F (4.4 °C to 51.7 °C)

Materials of Construction

- Filter Media: Granular Activated Carbon
- End Caps: High impact
- Body: Polystyrene (Hips)
- Gasket: Buna-N



UDF & EC Series

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	UDF-10	10" GAC, Coconut Shell Carbon	25	14 x 14 x 11	24	10.89
	UDF-10PF	10" GAC, Coconut Shell Carbon with Prefilter	25	14 x 14 x 11	24	10.89
	UDF-10C100E	10" Cation Softening Resin	25	14 x 14 x 11	27	12.25
	UDF-10KDF5	10" GAC + 1/2 lbs KDF	25	14 x 14 x 11	35	15.88
	UDF-10KDF1	10" GAC + 1 lbs KDF	25	14 x 14 x 11	47	21.32
	UDF-10KDF2	10" GAC + 2 lbs KDF	25	14 x 14 x 11	67	30.39
	UDF-10KDF4	10" ALL 4 lbs KDF	25	14 x 14 x 11	105	47.63
20"	UDF-20	20" GAC, Coconut Shell Carbon	12	14 x 9.5 x 21	27	12.25
	UDF-20C200E	20" Cation Softening Resin	12	14 x 9.5 x 21	43	19.5

4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	UDF-10BP	10" GAC, Coconut Shell Carbon	12	17 x 17 x 11	20	9.07
20"	UDF-20BP	20" GAC, Coconut Shell Carbon	6	14 x 9.5 x 21	20	9.07

ALKALINE / ORP - 2.5 & 4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	UDF-10-ALK	2.5"x10" GAC, Coconut Shell Carbon , Alkaline / ORP	25	17 x 17 x 11	35	15.88
	UDF-10BP-ALK	4.5"x10" GAC, Coconut Shell Carbon , Alkaline / ORP	8	19 x 10 x 11	32	15.88
20"	UDF-20-ALK	2.5"x20" GAC, Coconut Shell Carbon , Alkaline / ORP	12	11 x 11 x 22	52	23.58
	UDF-20BP-ALK	4.5"x20" GAC, Coconut Shell Carbon , Alkaline / ORP	6	11 x 11 x 22	52	23.58

2" DIAMETER SPECIFICATIONS - INLINE CARTRIDGES

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-2010C	Inline, 2" OD x 10" L, 1/4" FNPT, Clear	25	17 x 17 x 11	9	4.08
	EC-2010W	Inline, 2" OD x 10" L, 1/4" FNPT, White	25	17 x 17 x 11	12	5.44

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-2510C	2.5" OD x 10" L, CLEAR	25	17 x 17 x 11	9	4.08
	EC-2510W	2.5" OD x 10" L, WHITE	25	17 x 17 x 11	9	4.08
20"	EC-2520W	2.5" OD x 20" L, WHITE	25	17 x 17 x 11	12	5.44

4.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	EC-4510C	4.5" OD x 10" L, CLEAR	12	17 x 17 x 11	12	5.44
	EC-4510W	4.5" OD x 10" L, WHITE	12	17 x 17 x 11	12	5.44
20"	EC-4520C	4.5" OD x 20" L, CLEAR	6	14 x 9.5 x 21	12	5.44
	EC-4520W	4.5" OD x 20" L, WHITE	6	14 x 9.5 x 21	12	5.44

Materials of Construction

End Caps: High Impact Polystyrene
 Gasket: Buna-N
 Body: EC-4510W - High Impact Polystyrene (Hips)
 EC-4510C: ABS
 EC-2010C: SAN

Features & Benefits

- Durable Construction
- Excellent Flow Rate
- Pre/Post Filter Media

EC Series

Empty Cartridges



*WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: It is recommended that you flush for 20 seconds prior to using the water for drinking or cooking purposes.

NOTE: Chlorine reduction is the estimate of capacity using 2 ppm free available chlorine (FAC) at continuous flow greater than 75% reduction.



HYDRONIX DP SERIES DELTA-PLUS FILTERS

meet market needs for a pure absolute-rated Polypropylene depth filter with exceptional dirt holding capacity and performance. Delta-Plus cartridges are an outstanding value for industrial applications where long-life, low-pressure drop and high efficiency is required.

HYDRONIX DP SERIES DELTA-PLUS FILTERS

have continuous gradient pore structure which increases dust holding capacity. The surface of the cartridge is fiber fortified to prevent the release of micro fibers downstream. Manufactured of 100% pure Polypropylene for a wide range of process fluids.

Hydronix DP Delta-Plus Filters comply with FDA CFR21 regulations for use in food and beverage applications.

2.5" DIAMETER SPECIFICATIONS

	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	DP001SX1000	2.5" x 10"	1	SILICONE	DOUBLE OPEN	40	12 x 10 x 20	15	6.80
	DP001S51000	2.5" x 10"	1	SILICONE	222/FIN	40	12 x 10 x 21	15	6.80
	DP001SF1000	2.5" x 10"	1	SILICONE	DOE	40	12 x 10 x 21	15	6.80
20"	DP001SX2000	2.5" x 20"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 20	15	6.80
	DP001S52000	2.5" x 20"	1	SILICONE	222/FIN	20	12 x 10 x 21	15	6.80
	DP001SF2000	2.5" x 20"	1	SILICONE	DOE	20	12 x 10 x 21	15	6.80
30"	DP001SX3000	2.5" x 30"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 30	22	9.98
	DP001S53000	2.5" x 30"	1	SILICONE	222/FIN	20	12 x 10 x 34	22	9.98
	DP001SF3000	2.5" x 30"	1	SILICONE	DOE	20	12 x 10 x 34	22	9.98
40"	DP001SX4000	2.5" x 40"	1	SILICONE	DOUBLE OPEN	20	12 x 10 x 40	30	13.61
	DP001S54000	2.5" x 40"	1	SILICONE	222/FIN	20	12 x 10 x 40	30	13.61
	DP001SF4000	2.5" x 40"	1	SILICONE	DOE	20	12 x 10 x 40	30	13.61

Applications

- Filtration of cooling water system in semi-conductor industry (PCW)
- Filtration of CMP Slurries
- Pre-filter of DI water filtration
- Filtration of medium & low viscosity fluids of chemical
- Filtration of water for manufacturing process and recycled water
- Filtration of paint in panel painting industry

Operating Conditions

Maximum Operating Pressure Drop

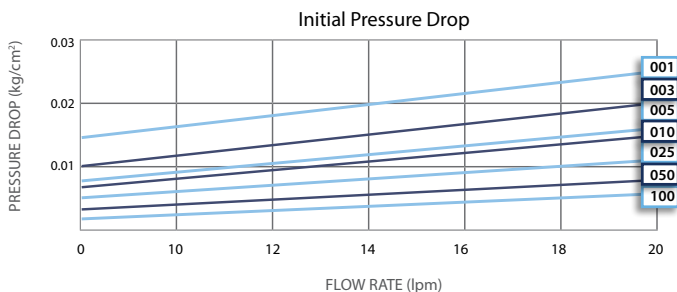
- 100 °F at 80 psi 37 °C at 5.6 kg/cm²
- 150 °F at 60 PSI 65 °C at 4.2 kg/cm²
- 180 °F at 30 PSI 82 °C at 2.1 kg/cm²

Recommended Change Out Differential Pressure

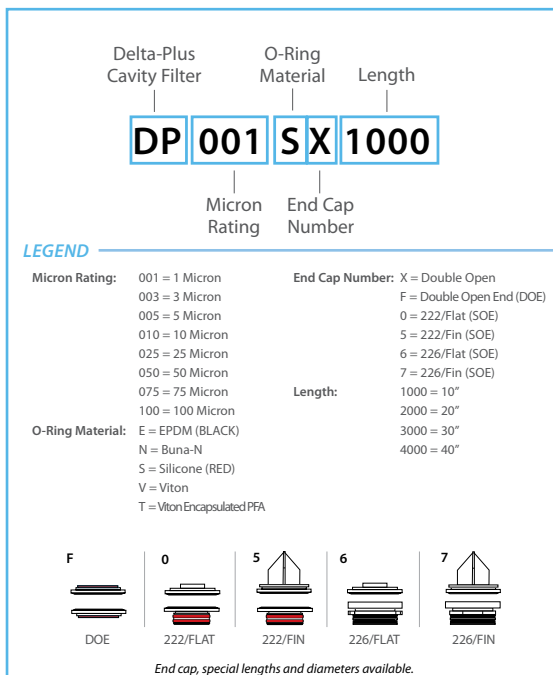
- 30 PSID (2.1 kg/cm²)

Max. Operating Temperature

- 180 °F (82°C)



Model # Guide



AR Series

Absolute Rated Pleated Filters



HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS

are Beta 5000 Absolute rated filters. Made from 100% pure Polypropylene, Hydronix AR Series Filters comply with USP XXIII and FDA CFR Title 21 for food and beverage applications.

HYDRONIX AR SERIES ABSOLUTE RATED PLEATED FILTERS

offer a longer service life and contain no binders, adhesives or surfactant for wide compatibility of fluids. They combine exceptional solids holding capacity with precise micron ratings. Layered double sheets of media provide absolute particle retention and long service life.

Hydronix AR Series Absolute Rated Pleated Filters comply with FDA CFR21 regulations for use in food and beverage applications.



AR Series

AR SERIES SPECIFICATIONS									
	Part Number	Description	Micron Rating	O-Ring Material	End Cap Style	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	AR0020S01A	2.5" x 10"	0.2	SILICONE	222/FLAT	20	15 x 12 x 14	17	7.71
	AR0020S51A	2.5" x 10"	0.2	SILICONE	222/FIN	20	15 x 12 x 14	17	7.71
	AR0020SF1A	2.5" x 10"	0.2	SILICONE	DOE	20	15 x 12 x 14	17	7.71
20"	AR0020S02A	2.5" x 20"	0.2	SILICONE	222/FLAT	20	15 x 12 x 23	30	13.61
	AR0020S52A	2.5" x 20"	0.2	SILICONE	222/FIN	20	15 x 12 x 23	30	13.61
	AR0020SF2A	2.5" x 20"	0.2	SILICONE	DOE	20	15 x 12 x 23	30	13.61
30"	AR0020S03A	2.5" x 30"	0.2	SILICONE	222/FLAT	20	15 x 12 x 35	43	19.50
	AR0020S53A	2.5" x 30"	0.2	SILICONE	222/FIN	20	15 x 12 x 35	43	19.50
	AR0020SF3A	2.5" x 30"	0.2	SILICONE	DOE	20	15 x 12 x 35	43	19.50
40"	AR0020S04A	2.5" x 40"	0.2	SILICONE	222/FLAT	20	15 x 12 x 44	55	24.95
	AR0020S54A	2.5" x 40"	0.2	SILICONE	222/FIN	20	15 x 12 x 44	55	24.95
	AR0020SF4A	2.5" x 40"	0.2	SILICONE	DOE	20	15 x 12 x 44	55	24.95

Materials of Construction

- Filter Media: 100% Polypropylene Micro Denier
- Outer Shell: High-strength Polypropylene

Product Applications

- RO Pre-filtration
- DI Pre-filtration
- Cooling Towers
- Med. & Low Viscosity Liquids
- Pharmaceutical
- Food & Beverage
- Laboratory

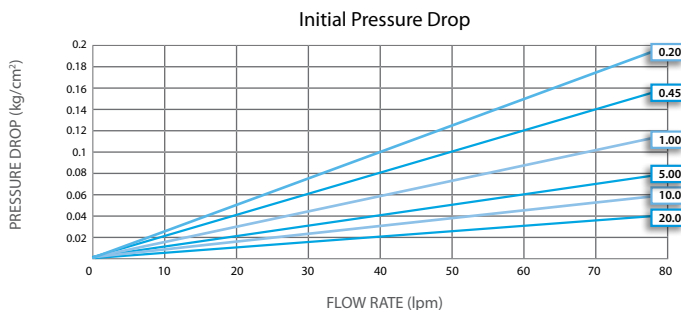
Operating Conditions

Maximum Operating Pressure Drop

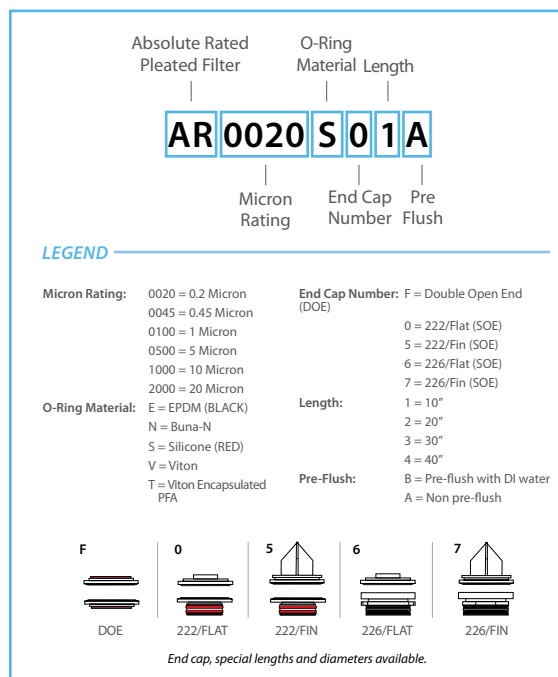
- 68 °F at 70 PSI 20 °C at 4.9 kg/cm²
- 140 °F at 40 PSI 60 °C at 2.8 kg/cm²
- 203 °F at 20 PSI 95 °C at 1.4 kg/cm²

Recommended Replaceable Pressure Drop

- 35.6 PSI (2.5 kg/cm²)



Model # Guide





Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

HF2 Series

Slim Flat Cap Filter Housings

HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are NSF/ANSI Standard 42 certified for material and structural integrity requirements only.

HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are available in a variety of colors and are made to house 2.5" diameter cartridges. Most 9 7/8" and 10" cartridges fit easily and caps are available in 1/4", 3/8" and 1/2" female NPT ports.

HYDRONIX HF2 SERIES SLIM FLAT CAP FILTER HOUSINGS

are ideal for typical applications as pre- and post-filtration for RO systems, under sink filters, counter top systems, ice machines, food service and other applications.

* Certified models: HF2-10WHWH14, HF2-10WHWH38 and HF2-10WHWH12.

HF2 SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5" BODY	HF2-5WHWH14	5" White Body, White Flat Cap 1/4"	15	8 x 14 x 22	20	9.07
	HF2-5WHWH38	5" White Body, White Flat Cap 3/8"	15	8 x 14 x 22	20	9.07
	HF2-5WHWH12	5" White Body, White Flat Cap 1/2"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH14	5" Clear Body, White Flat Cap 1/4"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH38	5" Clear Body, White Flat Cap 3/8"	15	8 x 14 x 22	20	9.07
	HF2-5CLWH12	5" Clear Body, White Flat Cap 1/2"	15	8 x 14 x 22	20	9.07
10" 1/4" PORT	HF2-10WHWH14	NSF 10" White Body, White Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK14	10" Blue Body, Black Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH14	10" Clear Body, White Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK14	10" Clear Body, Black Flat Cap 1/4"	12	14 x 16 x 21	30	13.61
10" 3/8" PORT	HF2-10WHWH38	NSF 10" White Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK38	10" Blue Body, Black Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH38	10" Clear Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK38	10" Clear Body, White Flat Cap 3/8"	12	14 x 16 x 21	30	13.61
10" 1/2" PORT	HF2-10WHWH12	NSF 10" White Body, White Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10BLBK12	10" Blue Body, Black Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10CLWH12	10" Clear Body, White Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
	HF2-10CLBK12	10" Clear Body, Black Flat Cap 1/2"	12	14 x 16 x 21	30	13.61
O-Ring	HF2/3 ORING	O-Ring for HF2, 3 Filter Housing	-	-	-	-

Model # Guide

Filter Housing

Bowl/Body Cart Length

Cap Color

HF2-10WHWH14

Housing Style

Bowl/Body Color

Connection Type

LEGEND

Housing Style: 2 = Slim Flat Cap

Bowl/Body Length: 5 = 5"
10 = 10"

Bowl/Body Color: WH - White
CL - Clear
BL - Blue

Cap Color: WH - White
BK - Black

Connection Type: 14 = 1/4"
38 = 3/8"
12 = 1/2"

Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units

Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: San
- Cap: Polypropylene
- O-Ring: Buna-N

Temperature Rating

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 75 PSI (5.17 bar)

Installation Guidelines

WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.

CAUTION: Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since uv rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undo strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to the above may result in cracking of the filter housing, water leakage and water damage. **CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. **IMPORTANT NOTICE:** To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

WARRANTY: Limited three (3) year warranty from the date of sale for material defects only. Warranty is limited to repair or replacement of product only. Any misuse, misinstallation, lack of maintenance, exceeding maximum pressure or failure to follow these instructions will void limited warranty.

DISCLAIMER OF WARRANTIES: Except as expressly warranted in writing by Hydronix water technology, the goods sold by Hydronix water technology are purchased by the buyer "as is." Hydronix water technology does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by Hydronix water technology, Hydronix water technology makes no representation or warranty of any kind with respect to the products.

LIMITATION OF LIABILITY: In no event shall Hydronix water technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix water technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix water technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix water technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix water technology and the purchaser.

HF3 Series

Slim Rib Cap Filter Housings



HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

are available in a variety of colors and are made to house 2.5" diameter cartridges. Most 9 7/8" and 10" cartridges fit easily and caps are available in 1/4", 3/8", 1/2" and 3/4" female NPT ports.

HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

are ideal for typical applications as pre and post-filtration for RO systems, under sink filters, countertop systems, ice machines, food service and other applications.

HYDRONIX HF3 SERIES SLIM RIB CAP FILTER HOUSINGS

have pressure relief (PR) buttons available for 1/2" and 1/4" port housings.



HF3 Series

HF3 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5" BODY	HF3-5WHWH14	5" White Body, White Rib Cap 1/4"	15	8 x 14 x 21	13	5.90
	HF3-5WHWH38	5" White Body, White Rib Cap 3/8"	15	8 x 14 x 21	13	5.90
	HF3-5WHWH12	5" White Body, White Rib Cap 1/2"	15	8 x 14 x 21	13	5.90
	HF3-5CLWH14	5" Clear Body, White Rib Cap 1/4"	15	8 x 14 x 21	13	5.90
	HF3-5CLWH38	5" Clear Body, White Rib Cap 3/8"	15	8 x 14 x 21	13	5.90
	HF3-5CLWH12	5" Clear Body, White Rib Cap 1/2"	15	8 x 14 x 21	13	5.90
10" PORT	HF3-10WHWH14	10" White Body, White Rib Cap 1/4"	12	8 x 14 x 21	30	13.61
	HF3-10BLBK14	10" Blue Body, Black Rib Cap 1/4"	12	8 x 14 x 21	30	13.61
	HF3-10CLWH14	10" Clear Body, White Rib Cap 1/4"	12	8 x 14 x 21	30	13.61
	HF3-10CLBK14	10" Clear Body, Black Rib Cap 1/4"	12	8 x 14 x 21	30	13.61
10" 3/8" PORT	HF3-10WHWH38	10" White Body, White Rib Cap 3/8"	12	8 x 14 x 21	30	13.61
	HF3-10BLBK38	10" Blue Body, Black Rib Cap 3/8"	12	8 x 14 x 21	30	13.61
	HF3-10CLWH38	10" Clear Body, White Rib Cap 3/8"	12	8 x 14 x 21	30	13.61
	HF3-10CLBK38	10" Clear Body, Black Rib Cap 3/8"	12	8 x 14 x 21	30	13.61
10" 1/2" PORT	HF3-10WHWH12	10" White Body, White Rib Cap 1/2"	12	8 x 14 x 21	30	13.61
	HF3-10WHWH12PR	10" White Body, White Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61
	HF3-10BLBK12	10" Blue Body, Black Rib Cap 1/2"	12	8 x 14 x 21	30	13.61
	HF3-10BLBK12PR	10" Blue Body, Black Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61
	HF3-10CLWH12	10" Clear Body, White Rib Cap 1/2"	12	8 x 14 x 21	30	13.61
	HF3-10CLWH12PR	10" Clear Body, White Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61
	HF3-10CLBK12	10" Clear Body, Black Rib Cap 1/2"	12	8 x 14 x 21	30	13.61
	HF3-10CLBK12PR	10" Clear Body, Black Rib Cap 1/2", PR	12	8 x 14 x 21	30	13.61
10" 3/4" PORT	HF3-10WHWH34	10" White Body, White Rib Cap 3/4"	12	8 x 14 x 21	30	13.61
	HF3-10WHWH34PR	10" White Body, White Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61
	HF3-10BLBK34	10" Blue Body, Black Rib Cap 3/4"	12	8 x 14 x 21	30	13.61
	HF3-10BLBK34PR	10" Blue Body, Black Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61
	HF3-10CLWH34	10" Clear Body, White Rib Cap 3/4"	12	8 x 14 x 21	30	13.61
	HF3-10CLWH34PR	10" Clear Body, White Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61
	HF3-10CLBK34	10" Clear Body, Black Rib Cap 3/4"	12	8 x 14 x 21	30	13.61
	HF3-10CLBK34PR	10" Clear Body, Black Rib Cap 3/4", PR	12	8 x 14 x 21	30	13.61
O-Ring	HF2/3 ORING	O-Ring for HF2, 3 Filter Housing	-	-	-	-

Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Beverage
- Ice maker
- Misting Units

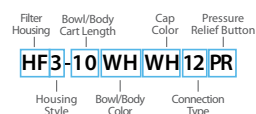
Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: San
- Cap: Polypropylene
- O-Ring: EPDM

Temperature Rating

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 75 PSI (5.17 bar)

Model # Guide



LEGEND

Housing Style:	3 = Slim Rib Cap
Bowl/Body Length:	5 = 5"
	10 = 10"
Bowl/Body Color:	WH - White
	CL - Clear
	BL - Blue
Cap Color:	WH - White
	BK - Black
Connection Type:	14 = 1/4"
	38 = 3/8"
	12 = 1/2"
	34 = 3/4"

Installation Guidelines

WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.

CAUTION: Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since UV rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undue strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to the above may result in cracking of the filter housing, water leakage and water damage. CAUTION: All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. IMPORTANT NOTICE: To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

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LIMITATION OF LIABILITY: In no event shall Hydronix water technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix water technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix water technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix water technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix water technology and the purchaser.



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

HF5 Series

Commercial Filter Housings

HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges.

HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

HYDRONIX HF5 SERIES COMMERCIAL FILTER HOUSINGS

are NSF tested and certified to NSF/ANSI Standard 42 for material and structural integrity only.

* Certified model: HF5-10BLBK34PR.

HF5 SERIES SPECIFICATIONS

	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HF5-10BLBK34	10" Blue Body, 3/4" Black Rib Cap	12	17 x 22 x 13	36	16.33
	HF5-10BLBK34PR	NSF 10" Blue Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	36	16.33
	HF5-10CLBK34PR	10" Clear Body, 3/4" Black Rib Cap w/PR	12	17 x 22 x 13	38	17.24
20" 3/4" PORT	HF5-20BLBK34	20" Blue Body, 3/4" Black Rib Cap	8	12 x 22 x 24	38	17.24
	HF5-20BLBK34PR	20" Blue Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	38	17.24
	HF5-20CLBK34PR	20" Clear Body, 3/4" Black Rib Cap w/PR	8	12 x 22 x 24	42	19.05
O-Ring	HF5-ORING	O-Ring for HF5 Filter Housing	-	-	-	-

Temperature Rating

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 100 PSI (6.89 bar)

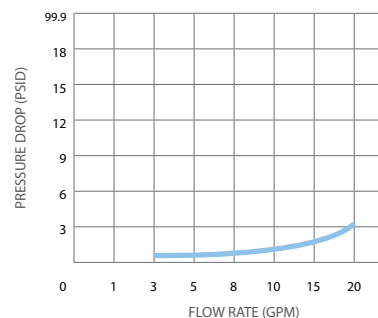
Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: Polycarbonate
- Cap: Polypropylene
- O-Ring: Buna-N
- Button Assembly: Stainless Steel, Polypropylene and Buna-N

Applications

- Reverse Osmosis
- Residential Plumbing
- Photography
- Commercial Pre-filtration
- Beverage
- Ice maker
- Misting Units
- Food Processing
- Analytical
- Wineries

HF5 Series Filter Housings



Model # Guide

Filter Housing	Bowl/Body Cart Length	Cap Color	Pressure Release
HF-5-10-BL-BK-14-PR			
Housing Style	Bowl/Body Color	Connection Type	
LEGEND			
Housing Style:	5 = Commercial		
Bowl/Body Length:	5 = 5"		
	10 = 10"		
	20 = 20"		
Bowl/Body Color:	WH - White		
	CL - Clear		
	BL - Blue		
Cap Color:	WH - White		
	BK - Black		
Connection Type:	14 = 1/4"		
	38 = 3/8"		
	12 = 1/2"		

Installation Guidelines

WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.

CAUTION: Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since uv rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturers' maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undue strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to do the above may result in cracking of the filter housing, water leakage and water damage. **CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. **IMPORTANT NOTICE:** To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically; every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

WARRANTY: Limited three (3) year warranty from the date of sale for material defects only. Warranty is limited to repair or replacement of product only. Any misuse, misinstallation, lack of maintenance, exceeding maximum pressure or failure to follow these instructions will void limited warranty.

DISCLAIMER OF WARRANTIES: Except as expressly warranted in writing by Hydronix water technology, the goods sold by Hydronix water technology are purchased by the buyer "as is." Hydronix water technology does not warrant that the goods are of merchantable quality or that they can be used for any particular purpose. Except as expressly warranted in writing by Hydronix water technology, Hydronix water technology makes no representation or warranty of any kind with respect to the products.

LIMITATION OF LIABILITY: In no event shall Hydronix water technology be liable to the purchaser or any other entity for more than the invoice price received by Hydronix water technology for any non-conforming products. Hydronix water technology shall not be liable to the purchaser or any other entity for personal injury, property damage, or any direct, indirect, special, incidental, consequential, punitive, exemplary, or other damages of any kind, including without limitation the cost of procurement of substitute goods, the loss of profits, products, or production, or the interruption of business, however caused and on any theory of liability, and whether or not Hydronix water technology has been advised of the possibility of such damages. The essential purpose of this provision is to limit the liability of Hydronix water technology arising out of the sale of products to the purchaser whether for breach of contract, negligence, or otherwise. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy and notwithstanding the provisions of any other agreement between Hydronix water technology and the purchaser.

HF4 Series

Slim Flat Cap Double O-Ring Filter Housings

HYDRONIX HF4 SERIES SLIM FLAT CAP DOUBLE O-RING FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges. HF4 Series housings have excellent chemical resistance and are ideal for many residential, commercial and light industrial applications.

Materials of Construction

- Housing: Polypropylene
- Cap: Polypropylene
- O-Ring: Buna-N
- Polypropylene and Buna-N

Operating Data

- Maximum Temperature: 125 °F (51.7 °C)
- Maximum Pressure: 100 PSI (6.89 bar)



HF4 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HF4-10WHWH38	10" White Body, 3/8" White Slim Flat Cap w/Double O-Ring	12	13 x 15 1/2 x 20	25	11.3
20"	HF4-20WHWH38	20" White Body, 3/8" White Slim Flat Cap w/Double O-Ring	8	12 x 22 x 24	28	12.7



HF5HT & HF45HT Series

High Temperature Filter Housings

HYDRONIX HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

Are available in 10" & 20" Commercial Style and 10" & 20" Big Body Style. They are ideal for high temperature use and applications involving sea water, organic solvents, alcohol and vegetable oils.

HYDRONIX HT SERIES HIGH TEMPERATURE FILTER HOUSINGS

Can withstand temperatures up to 165°F and are an economical alternative to Stainless Steel housings.

HF45 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HF5HT-10RDRD34	10" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	12	17 x 22 x 13	36	16.33
	HF5HT-20RDRD34	20" Red 2.5" Body, 3/4" Red Rib Cap, High Temp Max 165°F	8	12 x 22 x 24	38	17.24
10"	HF45HT-10RDBK10	10" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	6	16 x 23 x 14	40	18.14
	HF45HT-20RDBK10	20" Red 4.5" Body, 1" Black Cap High Temp Max 165°F	6	16 x 16 x 26	64.5	29.26
	HF45HT-20RDBK15	20" Red 4.5" Body, 1.5" Black Cap High Temp Max 165°F	6	16 x 16 x 26	64.5	29.26
O-Ring	HF5HT-ORING	Hydronix O-ring For HF5HT Housing	-	-	-	-
	HF45HT-ORING	Hydronix O-ring For HF45HT Housing	-	-	-	-

Applications

- Commercial
- Industrial
- Sea Water
- Alcohol
- Organic Solvents
- Petroleum

Materials of Construction

- Housing: Glass-Reinforced Nylon
- Cap: Glass-Reinforced Nylon
- O-Ring: Viton

Operating Data

- Maximum Temperature: 165°F (73.9°C)
- Maximum Pressure: 125 PSI (8.62 bar)



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

HF45 Series

4.5"OD Commercial Filter Housings

HYDRONIX HF45 SERIES COMMERCIAL FILTER HOUSINGS

are high durability commercial filter housings for 10" and 20" length cartridges. HF45 Series housings have excellent chemical resistance and are ideal for many high flow residential, commercial and light industrial applications.

HYDRONIX HF45 SERIES COMMERCIAL FILTER HOUSINGS

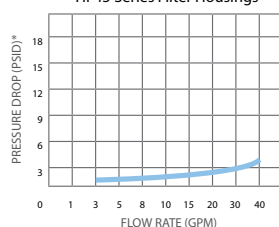
accept 4 1/2" diameter cartridges and feature larger ports to allow for a greater flow of liquid to pass through the housing. They are ideal for your larger capacity filtration needs and are made from durable Polypropylene.

* Certified model: HF45-10BLBK34PR, HF45-10BLBK10PR and HF45-10BLBK15PR.

HF45 SERIES SPECIFICATIONS

	Part Number	Description	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10" 3/4" PORT	HF45-10BLBK34	10" Blue 4.5" Body, 3/4" Black Cap	6	16 x 23 x 14	37	16.78
	HF45-10BLBK34PR	NSF 10" Blue 4.5" Body, 3/4" Black Cap w/PR	6	16 x 23 x 14	37	16.78
	HF45-10CLBK34	10" Clear 4.5" Body, 3/4" Black Cap	6	16 x 16 x 26	40	18.14
	HF45-10CLBK34PR	10" Clear 4.5" Body, 3/4" Black Cap w/PR	6	16 x 16 x 26	40	18.14
20" 3/4" PORT	HF45-20BLBK34	20" Blue 4.5" Body, 3/4" Black Cap	4	16 x 16 x 26	36	16.33
	HF45-20BLBK34PR	20" Blue 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 26	36	16.33
	HF45-20CLBK34	20" Clear 4.5" Body, 3/4" Black Cap	4	16 x 16 x 26	38.5	17.46
	HF45-20CLBK34PR	20" Clear 4.5" Body, 3/4" Black Cap w/PR	4	16 x 16 x 26	38.5	17.46
10" 1" PORT	HF45-10BLBK10	10" Blue 4.5" Body, 1" Black Cap	6	16 x 23 x 14	37	16.78
	HF45-10BLBK10PR	NSF 10" Blue 4.5" Body, 1" Black Cap w/PR	6	16 x 23 x 14	37	16.78
	HF45-10CLBK10	10" Clear 4.5" Body, 1" Black Cap	6	16 x 16 x 26	40	18.14
	HF45-10CLBK10PR	10" Clear 4.5" Body, 1" Black Cap w/PR	6	16 x 16 x 26	40	18.14
20" 1" PORT	HF45-20BLBK10	20" Blue 4.5" Body, 1" Black Cap	4	16 x 16 x 26	36	16.33
	HF45-20BLBK10PR	20" Blue 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 26	36	16.33
	HF45-20CLBK10	20" Clear 4.5" Body, 1" Black Cap	4	16 x 16 x 26	38.5	17.46
	HF45-20CLBK10PR	20" Clear 4.5" Body, 1" Black Cap w/PR	4	16 x 16 x 26	38.5	17.46
10" 1.5" PORT	HF45-10BLBK15	10" Blue 4.5" Body, 1.5" Black Cap	6	16 x 23 x 14	37	16.78
	HF45-10BLBK15PR	NSF 10" Blue 4.5" Body, 1.5" Black Cap w/PR	6	16 x 23 x 14	37	16.78
	HF45-10CLBK15	10" Clear 4.5" Body, 1.5" Black Cap	6	16 x 16 x 26	40	18.14
	HF45-20BLBK15	20" Blue 4.5" Body, 1.5" Black Cap	4	16 x 16 x 26	36	16.33
20" 1.5" PORT	HF45-20BLBK15PR	20" Blue 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 26	36	16.33
	HF45-20CLBK15	20" Blue 4.5" Body, 1.5" Black Cap	4	16 x 16 x 26	38.5	17.46
	HF45-20CLBK15PR	20" Blue 4.5" Body, 1.5" Black Cap w/PR	4	16 x 16 x 26	38.5	17.46
O-Ring	HF45-ORING	Hydronix O-ring For HF45 Housing	-	-	-	-

HF45 Series Filter Housings



Applications

- Whole house filtration
- Wineries
- Reverse Osmosis
- Drip irrigation
- Residential plumbing
- Plating
- Photography
- Milling Machines
- Commercial
- Pre-filtration
- Green Houses
- Beverage
- Analytical
- Ice maker
- Food Processing
- Misting units

Materials of Construction

- Opaque Housing: Polypropylene
- Clear Housing: Polycarbonate
- Cap: Polypropylene
- O-Ring: Buna-N
- Button Assembly: Stainless Steel, EPDM and Polypropylene

Operating Conditions

Temperature Rating Opaque Housing

- Maximum Temperature: 100 °F (37.7 °C)
- Maximum Pressure: 90 PSI (6.21 bar)

Temperature Rating Clear Housing

- Maximum Temperature: 100 °F (37.7 °C)
- Maximum Pressure: 90 PSI (6.21 bar)

Model # Guide

Filter Housing	Bowl/Body Cart Length	Cap Color	Pressure Release
HF-45-10-BL-BK-14-PR			
Housing Style	Bowl/Body Color	Connection Type	
LEGEND			
Housing Style:	45 = 4.5" OD		
Bowl/Body Length:	10 = 10"		
	20 = 20"		
Bowl/Body Color:	CL - Clear		
	BL - Blue		
Cap Color:	BK - Black		
Connection Type:	34 = 3/4"		
	10 = 1"		
	15 = 1 1/2"		

Installation Guidelines

WARNING: READ THESE INSTRUCTIONS BEFORE CHANGING OR INSTALLING. FOLLOW THESE INSTRUCTIONS TO REDUCE RISK OF DANGER.

CAUTION: Filter housing must be protected against freezing and extreme temperatures. Filter housings should not be in direct contact with sunlight for a prolonged period of time since UV rays can make housings brittle. Pressure should always be measured before installation and water pressure regulators should be installed in the main line or in front of the housing if water pressure exceeds manufacturer's maximum water pressure: 75 psi. Installers should make sure filters and replacement filters are the correct length and are not too long so as to not cause undue strain and stress on the housing. A leak detector must be installed on all installations where high pressure, water hammer and pressure spikes are known or suspected to be present and on all installations where pressure is over 60 psi. Failure to do the above may result in cracking of the filter housing, water leakage and water damage. **CAUTION:** All filtration systems contain other parts that have a limited service life. Exhaustion of the service life of those parts often cannot be easily detected. Commonly, it is only after leakage has been observed or water damage has occurred that one is made aware that the service life has been exhausted. **IMPORTANT NOTICE:** To prevent costly repairs or possible water damage we strongly recommend that the bowl or sump of all plastic housings be replaced periodically: every 5 years for clear sumps, and every 4 years for opaque sumps. If your sump has been in use for more than the recommended period, it should be replaced immediately. Be sure to date any new or replacement sump for future reference and indicate the next recommended replacement date.

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LF Series

Lead Free Faucets

HYDRONIX LF SERIES LEAD FREE FAUCETS

are your best choice in lead free NSF certified faucets. Available in a variety of finishes and styles, Hydronix LF Series Lead Free Faucets are NSF certified to Standard 61 Section 9 ensuring lead free compliance.

HYDRONIX LF SERIES LEAD FREE FAUCETS

are available in most of the popular finishes including: brushed nickel and antique brass. From traditional to designer, we have a faucet to suit your application.



Certified to NSF/ANSI
Standard 61 Section 9

Temperature Rating

- 40 °F (4 °C) a 158°F (70 °C)

Legend and Available Colors

- CP = Chrome Plated
- AB = Antique Brass
- AW = Antique Wine
- AZ = Antique Bronze
- BN = Brush Nickel
- ORB = Oil Rubbed Bronze



LF SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty.	Box Dimension (in)	Weight (lbs)	Weight (kgs)
LONG REACH	LF-BLR	Lead Free LR 3" Shank, Chrome Plated	50	20 x 15 x 13	34	15.42
	LF-BLRAG	Lead Free LR Air Gap 3" Shank, Chrome Plated	50	20 x 15 x 13	34	15.42
LONG REACH BRUSHED NICKEL	LF-BLR-BN	Lead Free LR 3" Shank, Brushed Nickel	50	20 x 15 x 13	34	15.42
	LF-BLRAG-BN	Lead Free LR Air Gap 3" Shank, Brushed Nickel	50	20 x 15 x 13	34	15.42
CERAMIC	LF-EC32-CP/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	30	28 x 13 x 15	40	18.14
	LF-EC32-BN/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	30	28 x 13 x 15	40	18.14
	LF-EC32-ORB/1	EC32 Elegant Ceramic Faucet Lead Free 3" Shank, Oil Rubbed Bronze	30	28 x 13 x 15	40	18.14
	LF-EC25-CP/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	20	26 x 9 x 15	27	12.25
	LF-EC25-AB/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Brass	20	26 x 9 x 15	27	12.25
	LF-EC25-AW/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Wine	20	26 x 9 x 15	27	12.25
	LF-EC25-BN/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	20	26 x 9 x 15	27	12.25
	LF-EC25-ORB/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Oil Rubbed Bronze	20	26 x 9 x 15	27	12.25
	LF-EC25-AZ/1	EC25 Elegant Ceramic Faucet Lead Free 3" Shank, Antique Bronze	20	26 x 9 x 15	27	12.25
	LF-EC23-CP/1	EC23 Elegant Ceramic Faucet Lead Free 3" Shank, Chrome Plated	30	28 x 15 x 12	28	12.70
	LF-EC23-BN/1	EC23 Elegant Ceramic Faucet Lead Free 3" Shank, Brushed Nickel	30	28 x 15 x 12	28	12.70



LF-BLR, LF-BLR-BN

LF-EC23-CP/1, LF-EC23-BN/1

LF-EC32-CP/1, LF-EC32-BN/1, LF-EC32-ORB/1

LF-EC25-CP/1, LF-EC25-AB/1, LF-EC25-AW/1, LF-EC25-BN/1

Materials of Construction

- Housing: Polypropylene
- Cap: Polypropylene
- O-Ring: EPDM

Operating Data

- Max. Temperature: 125 °F (51.7 °C)
- Max. Pressure: 100 PSI (7 bar)



MH03 Series Membrane Housings

HYDRONIX MH03 SERIES MEMBRANE HOUSINGS

are manufactured with high-quality NSF approved material and will accommodate most standard membrane elements. The dual ring design ensures a leak proof connection.

HYDRONIX MH03 SERIES MEMBRANE HOUSINGS

are NSF Standard 58 certified for use in Reverse Osmosis Water Treatment Systems. MH03 Series membrane housings are available in white and black to meet your system design needs.

* Certified model: MH03-1812WH.



Tested and certified by NSF International to ANSI/NSF Standard 58 for material requirements only.

MH03 SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (in)	Weight (lbs)	Weight (kgs)
Housing	MH03-1812WH	NSF, 1.8" x 12" Membrane Housing White	24	17 x 13 x 14	26	11.79
	MH03-1812WH-QC	1.8" X 12" Membrane Housing White, Hydrofit™ QC, Double O-Ring	30	20 x 15 x 30	33	14.97
	MH03-3012	3" X 12" Membrane Housing White	15	13 x 14 x 23	29	13.15
O-Ring	MH03-ORING	O-Ring for MH03 Housing	100	-	-	-
	MH03-CAPORING	MH03 Housing Cap O-Ring	100	-	-	-



SHOK BLOK™ Filter Protection Valve

SHOK BLOK™ FILTER PROTECTION VALVES

protect water filtration devices by limiting water pressure and reducing water hammer.

SHOK BLOK™ FILTER PROTECTION VALVES

are designed for high pressure installations to protect Reverse Osmosis systems, water filters, ice makers, coffee machines, chillers, hot tanks and water coolers to name a few.



Tested and certified by NSF International to ANSI/NSF Standard 61 for material requirements only.

Operating Data

- Flow: 4 Gal/min (15 L/min) at 100 PSI
- Max. Pressure: 300 PSI
- Max. Temperature: 104 °F (40 °C)

SHOKBLOK SERIES SPECIFICATIONS						
	Part Number	Description	Case Quantity	Box Dimension (in)	Weight (lbs)	Weight (kgs)
40 PSI	SB-FPV-40	NSF, Pressure Limiting Valve 40 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-40/38	NSF, Pressure Limiting Valve 40 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
60 PSI	SB-FPV-60	NSF, Pressure Limiting Valve 60 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-60/38	NSF, Pressure Limiting Valve 60 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
70 PSI	SB-FPV-70	NSF, Pressure Limiting Valve 70 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
	SB-FPV-70/38	NSF, Pressure Limiting Valve 70 PSI, 3/8" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26
125 PSI	SB-FPV-125	NSF, Pressure Limiting Valve 125 PSI, 1/4" QC Tube Inlet/Outlet	100	8 x 8.5 x 12	16	7.26

ASV Series Automatic Shut-off Valves

ASV SERIES AUTOMATIC SHUT-OFF VALVES

are a key component in residential Reverse Osmosis Systems.

Operating Data

- Operating Pressure: 30-100 PSI
- Operating Temperature: 120 °F (50 °C)



ASV SERIES SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
1/4"	ASV-14QW	Auto Shut-off Valve 1/4" Hydrofit™ Quick Connect, White	200	17 x 12 x 9	31.3	14.2
3/8"	ASV-38QW	Auto Shut-off Valve 3/8" Hydrofit™ Quick Connect, White	100	19 x 14 x 10	18.5	8.42

ASV Series Automatic Shut-off Valves are available in white and black with Hydrofit™ Quick Connect fittings incorporated.

* At 60 PSI feed water pressure, RO System will turn off at 40 PSI. (Accuracy +/- 20%)

RO Series

Storage Tanks

STORAGE TANKS

Are NSF approved under Standard 58 and CE approved under the PED (Pressure Equipment Directive).

Through these approvals our tanks carry the appropriate markings and can be used anywhere in the world.



Base included

Features

- Stainless steel connector
- Side mounted for air valve
- All tanks are pre-charged
- NSF 58 listed

Operating Data

- Maximum working pressure: 100 PSI



2.5" DIAMETER SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
2.2 GAL	RO-120-W14	2.2 Gallon White Tank 1/4" S.S.	1	8 x 8 x 12	5	2.27
3.2 GAL	RO-122-W14	3.2 Gallon White Tank 1/4" S.S.	1	9 1/2" x 9 1/2" x 14 1/2"	6	2.72
4.5 GAL	RO-132-W14	4.5 Gallon White Tank 1/4" S.S.	1	11 x 11 x 15	9	4.08
	RO-132-B14	4.5 Gallon Blue Tank 1/4" S.S.	1	11 x 11 x 15	9	4.08
	RO-132-BLK14	4.5 Gallon Black Tank 1/4" S.S.	1	11 x 11 x 15	9	4.08
5.5 GAL	RO-152-W14	5.5 Gallon White Tank 1/4" S.S.	1	12 x 12 x 16	9	4.08
9.2 GAL	TP-35	9.2 Gallon White Tank 1/4" S.S.	1	13 x 13 x 20	16.5	7.5
28 GAL	TP-100	28 Gallon White Tank 1" S.S.	1	17 x 17 x 33	43	19.5
40 GAL	TP-150	40 Gallon White Tank 1" S.S.	1	22 x 22 x 38	75	34.01
14 GAL	RO-1070-W14	14 Gallon White Tank 1/4" S.S.	1	16 x 16 x 24	27	12.25
	RO-1070-W34	14 Gallon White Tank 3/4" S.S.	1	16 x 16 x 24	27	12.25
20 GAL	RO-2000-W34	20 Gallon White Tank 3/4" S.S.	1	15 1/2" x 15 1/2" x 31 1/2"	35	15.88

Reverse Osmosis Systems

Residential & Light Commercial

REVERSE OSMOSIS (RO) is one of the most convenient and economical methods of reducing unwanted contaminants in your drinking water. The RO-550Q Reverse Osmosis system provides clean, clear, refreshing drinking water.

Features

- Quick Connect Hydrofit™ Fittings
- Assembled with NSF Components: Filter Housing, Membrane Housing, Cartridges, Faucet, Fittings & Tubing
- TFC Membrane element
- High quality Pre and Post Filters
- 100% Wet tested



HYDRO GUARD™ TWIST RO SYSTEM - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
4 STAGE	RO-450Q	4 Stage RO Module, 50 GPD, no Tank	1	6" x 16" x 17"	16	7.25
5 STAGE	RO-550Q	5 Stage RO Module, 50 GPD, no Tank	1	6" x 16" x 17"	16	7.25

Tank sold separately. Filter Wrench & complete installation kit included

HYDRO GUARD™

Twist Reverse Osmosis System

HYDRO GUARD™ HDGT-45 SERIES REVERSE OSMOSIS SYSTEM

offers the filtration capabilities of a conventional 5 stage system, with the advantage of less filters to replace. Thus, offering a more cost effective system. Our compact design and our Hydro Guard™ Quick and Easy™ Cartridges make filter change outs easy and convenient.

Features

- Designer Lead Free Faucet
- SHOK BLOK™ - Filter Protection Valve
- 4.5 Gallon Storage Tank
- NSF Certified Materials
- FLOWLOK™ - Leak Detector Water Shut Off Valve
- Easy Installation
- No tools required for filter change



HYDRO GUARD™ TWIST RO SYSTEM - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
4 STAGE	HDGT-45LRCP	Hydro Guard™ Twist Reverse Osmosis System	1	15" x 16" x 16"	25	11.33
	HDGT-45LRCP-P	Hydro Guard™ Twist Reverse Osmosis System, w/ Pump	1	15" x 16" x 16"	33	11.96

Tank, Filter Wrench & complete installation kit included

HYDRO GUARD™ TWIST RO SYSTEM REPLACEMENT CARTRIDGES - SPECIFICATIONS						
	Part Number	Description	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
TWIST FILTERS	HDGT-SED5	Hydro Guard™ Twist Sediment Depth Filter, 5 micron	25	40" x 39.7" x 34.5"	27	12.24
	HDGT-CB5	Hydro Guard™ Twist Carbon Block Filter, 5 micron	25	40" x 39.7" x 34.5"	34	15.42
	HDGT-TW50	Hydro Guard™ Twist Reverse Osmosis Membrane, 50GPD	25	40" x 39.7" x 34.5"	40	18.14
	HDGT-CB5P	Hydro Guard™ Twist Post Polishing Carbon Block Filter, 5 micron	25	40" x 39.7" x 34.5"	34	15.42
	HDGT-ALK	Hydro Guard™ Twist Alkaline / ORP Filter	24	40" x 39.7" x 34.5"	45	20.41

HYDRONIX BRACKETS

Are made from white powder coated, cold rolled steel.

Available for slim HF2, HF3, HF5, and HF45 4.5" OD filter housings.



HF2

HF3

Brackets for HF2/HF3 Housings



HF5

Brackets for HF5 Housings



HF45

Brackets for HF45 Housings



T1, T2, T3

Brackets for T1, T2, T3 Housings



FM-10S



FM-10W



FM-30W



FM-20AL



FM-20W



FM-25W



FM-25AL



FM-T1



FM-40W



FM-50W



FM-5-2
FM-5-3



FM-45-2
FM-45-3



FM-45-2STND (D-I-Y)
FM-45-3STND (D-I-Y)



FM-60W



FM-70W

BRACKET SPECIFICATIONS

	Part Number	Description	Housing to Use	Case Qty.	Box Dimension (in)	Weight (lbs)	Weight (kgs)
BRACKETS	FM-10S	Bracket Anodized 2.05"W x 3.30" D x 1.55"H Single Slim Housing	HF2, HF3	200	11 x 11 x 4	33	14.97
	FM-10W	Bracket White 2.95"W x 3.30" D x 1.55"H Single Slim Housing	HF2, HF3	200	11 x 11 x 4	33	14.97
	FM-20W	Bracket White 2.95"W x 4.50" D x 2.30"H Single Commercial Housing	HF5	100	11 x 11 x 4	38	17.24
	FM-20AL	Bracket Aluminum 2.95"W x 4.50" D x 2.30"H Single Commercial Housing	HF5	100	11 x 11 x 4	38	17.24
	FM-25W	Bracket White 4.50"W x 6.90" D x 5.15"H Single 4.5" OD Housing	HF45	20	9 x 9 x 6	45	20.41
	FM-25AL	Bracket Aluminum Single 4.5" OD Housing	HF45	40	11 x 17 x 5	37	16.78
	FM-30W	Bracket White 9.25"W x 5.25" D x 2.30"H Double Housing, Bend Down	HF2, HF3	30	9 x 11 x 8	42	19.05
	FM-40W	Bracket White 9.25"W x 5.75" D x 2.30"H Double Housing, Bend Up	HF2, HF3	30	13 x 17 x 10	44	19.96
	FM-50W	Bracket White 14"W x 5.25" D x 2.3" H Triple Housing, Bend Down	HF2, HF3	20	8 x 15 x 5	44	19.96
	FM-60W	Bracket White 14"W x 5.75" D x 2.3" H Triple Housing, Bend Up	HF2, HF3	20	12 x 15 x 14	44	19.96
	FM-70W	Bracket White 13"W x 6.4" D x 3.25" H Triple Housing, Bend Up, Pump Mount	HF2, HF3	20	15 x 24 x 8	48	21.77
	FM-5-2	HF5 Bracket White, Double, Bend Down	HF5	10	14 x 10 x 6	14	6.35
	FM-5-3	HF5 Bracket White, Triple, Bend Down	HF5	10	19 x 10 x 6	33	14.97
	FM-45-2	HF45 Bracket White, Double, Bend Down	HF45	10	14 x 10 x 7	49	22.23
	FM-45-3	HF45 Bracket White, Triple, Bend Down	HF45	5	24 x 10 x 6	48	21.77
	FM-45-2STND	HF45 Bracket White, Double, Stand (DIY)	HF45	2	18 x 27 x 5	28	12.70
	FM-45-3STND	HF45 Bracket White, Triple, Stand (DIY)	HF45	2	28 x 25 x 5	37	16.78
	FM-T1	Housing Bracket	T1, T2, T3	10	—	30	13.61

***Also available in Stainless steel and aluminum material upon special request. ** Special hole pattern and configuration available for quotation. * FM-45-2STND and FM-45-3STND ship unassembled. DIY (Do-It-Yourself)

Components



USA Patent Number: US 9,212,787 B1

HYDRONIX™
WATER TECHNOLOGY
An American Company

FLK-KIT



FLK-14



FLK-PAD



FLK Series

FLOWLOK LEAK DETECTOR SPECIFICATIONS

Part Number	Description	Box Qty
FLK-14	Flowlok Leak Detector Water Shut-Off Valve 1/4"	200
FLK-PAD	Flowlok Expansion Pad	8
FLK-KIT	Flowlok Leak Detector w/ 2 pads + Safety Tray	20
HF2-TRAY	Flowlok Safety Tray	30

Flowlok and the Flowlok logo design are registered Trademarks in the United States and certain other countries.
The Flowlok device is patented in the United States, Patent Number: US 9,212,787 B1 and is protected by U.S. Patent and Trademark laws.

IFR Series

FLOW RESTRICTOR SPECIFICATIONS

Part Number	Description	Membrane to Use	Box Qty	Weight (lbs)	Weight (kgs)
IFR-300QC	Hydronix Flow Restrictor 300 ml/min	24 gpd	200	11	4.95
IFR-420QC	Hydronix Flow Restrictor 420 ml/min	36 gpd	200	11	4.95
IFR-550QC	Hydronix Flow Restrictor 550 ml/min	50 gpd	200	11	4.95
IFR-1000	Hydronix Flow Restrictor 1000 ml/min	100 gpd	300	15.5	6.83

*10% Accuracy



CLP-2520W
CLP-2525W



CLP-20W
CLP-25W

CLP Series

CLIP SPECIFICATIONS

Part Number	Description	Box Qty
CLP-20W	Inline Mounting Clip 2", White	1000
CLP-25W	Membrane Housing Clip 2.5", White	400
CLP-2520W	Double Clip 2.5" x 2", White	500
CLP-2525W	Double Clip 2.5" x 2.5", White	400

FW Series

FILTER WRENCH SPECIFICATIONS

Part Number	Description	Box Qty
FW-1	Filter Wrench Fits HF2, HF3 Slim Filter Housing	200
FW-2	Filter Wrench Fits HF5 Commercial Filter Housing	150
FW-3	Filter Wrench Fits HF45 4.5" OD Filter Housing	100
FW-4	Wrench for MH03-1812 Membrane Housing	470
FW-5	Wrench for MH03-3012 Membrane Housing	240



DS-38QC



DS-14MC

DS Series

DRAIN SADDLE SPECIFICATIONS

Part Number	Description	Box Qty
DS-14MC	Drain Saddle 1/4" compression, Black	200
DS-14QC	Drain Saddle 1/4"Hydrofit™ Quick Connect, Black	200
DS-38QC	Drain Saddle 3/8"Hydrofit™ Quick Connect, Black	200



Booster Pumps

BOOSTER PUMPS SPECIFICATIONS				
Part Number	Description	Box Qty	Weight (lbs)	Weight (kgs)
PMP-50GPD	Booster Pump 50 GPD, 24 VDC, 110 V~240V, 60/50 Hz Transformer	10	41	18.60
PMP-100GPD	Booster Pump 100 GPD, 24 VDC, 110 V~240V, 60/50 Hz Transformer	10	46	20.86
PMP-300GPD	Booster Pump 300 GPD, 36 VDC, 110 V~240V, 60/50 Hz, 2.2A	10	46	20.86
PMP-AR-2412	Electrical Transformer 110V/220V to 24V, 1.2A for PMP-50 GPD	1	-	-
PMP-AR-2415	Electrical Transformer 110V/220V to 24V, 1.5A for PMP-100 GPD	1	-	-
PMP-43622-01	Electrical Transformer 100V/240V to 36VDC, 2.2A for PMP-300 GPD	1	-	-

Pump Switches

PUMP SWITCHES SPECIFICATIONS		
Part Number	Description	Box Qty
PMP-LPS14	Low Pressure Switch, 1/4" Hydrofit™ QC (includes wire)	200
PMP-TSO14	Tank Shut-Off Switch, 1/4" Hydrofit™ QC (includes wire)	200



PMP-LPS14



PMP-TSO14



WNV-1
WNV-2



WNV-3
WNV-4



HDF-ASVA-14
HDF-ASVA-38



SV-6



SV-3-14



BV-1814-ML
BV-1414-MC

Feed Water Valves

FEED WATER VALVES SPECIFICATIONS		
Part Number	Description	Box Qty
WNV-1	Adapter 1/2" F x 1/2" M x 1/8" F	360
WNV-2	Adapter 1/2" F x 1/2" M x 1/4" F	250
WNV-3	Plastic Adapter 1/2" F x 1/2" M x 1/4" - Hydrofit Quick Connect	500
WNV-4	Plastic Adapter 1/2" F x 1/2" M x 3/8" - Hydrofit Quick Connect	500
HDF-ASVA-14	Angle Stop Valve Adaptor 3/8" Thread x 1/4" Tube (with 1/2" adaptor)	200
HDF-ASVA-38	Angle Stop Valve Adaptor 3/8" Thread x 3/8" Tube (with 1/2" adaptor)	200
SV-3-14	Saddle Valve Self-Piercing 1/4"	200
SV-6	"C" Style Aluminum Clamp Self-Piercing 1/4"	200
SV-11	"C" Style Aluminum Clamp Self-Piercing 3/8"	100
BV-1414-MC	Brass Ball Valve Straight 1/4" MPT x 1/4" Comp	250
BV-1814-MC	Brass Ball Valve Straight 1/8" MPT x 1/4" Comp	400

BSV & SSV Series

Solenoid Valves

BSV & SSV SERIES SOLENOID VALVES

are compact, reliable, high flow, two-way pilot operated solenoid valves for air, gas, water and other liquid applications. They offer a normally closed design and can be mounted in any position. The solenoid enclosure provides protection against dust, dirt and other elements, while also protecting against seepage of oil and noncorrosive coolants. BSV Series valves come assembled with an NBR seal, and have a maximum temperature rating of 176°F (80°C).



Solenoid Valves

SOLENOID VALVES SPECIFICATIONS		
Part Number	Description	Qty
BSV-38110V	Solenoid Valve, 110V 50/60 HZ, 3/8" FNPT, Normally Closed, Brass	1
BSV-12110V	Solenoid Valve, 110V 50/60 HZ, 1/2" FNPT, Normally Closed, Brass	1
BSV-34110V	Solenoid Valve, 110V 50/60 HZ, 3/4" FNPT, Normally Closed, Brass	1
BSV-10110V	Solenoid Valve, 110V 50/60 HZ, 1" FNPT, Normally Closed, Brass	1
SSV-38110V	Solenoid Valve, 110V 50/60 HZ, 3/8" FNPT, Normally Closed, Stainless Steel	1
SSV-12110V	Solenoid Valve, 110V 50/60 HZ, 1/2" FNPT, Normally Closed, Stainless Steel	1
SSV-34110V	Solenoid Valve, 110V 50/60 HZ, 3/4" FNPT, Normally Closed, Stainless Steel	1
SSV-10110V	Solenoid Valve, 110V 50/60 HZ, 1" FNPT, Normally Closed, Stainless Steel	1

Materials of Construction

- BSV Body: Brass
- SSV Body: Stainless Steel
- Seals: NBR
- Spring: Acero inoxidable
- Gasket: NBR

Operating Data

Temperature Rating: 41°F - 176°C (5°C - 80°C)
Working Pressure: 0 - 145 PSI (0 - 10 BAR)

Components

SPOUT TALL SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-TS8	Spout Tall 8" White Tip	300
ELBOW SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-CE14	1/4" Comp. Elbow	300
ELBOW SPOUT SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-SE14	1/4" Comp. Spout Elbow	300
FAUCET ADAPTER SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-FA-1316	13/16" Male-Male Adapter	300
HOSE ADAPTER SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-HOSEADAP	1/2" Garden Hose Adapter	150
DIVERTER VALVE SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-DV-14C	1/4" Diverter Valve Compression	240
CNTP-DV-38C	3/8" Diverter Valve Compression	240
VINYL TUBING SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-VT-14	1/4" Vinyl Tubing, White 3 FT	100
CNTP-VT-38	3/8" Vinyl Tubing, White 3 FT	100
COUNTERTOP PLATE SPECIFICATIONS		
Part Number	Description	Box Qty
CNTP-PLATE	Plastic plate, White	300



CNTP & NV Series

NV Series Needle Valves



NV Series Needle Valves

- Soft seat design for bubble tight seal
- 6,000 PSI pressure rating (at 200°F max)
- Replaceable Delrin seat
- Straight through porting for bi-directional, high-capacity flow and easy rod cleaning
- All 316 SS stem for longer life
- One piece bonnet with metal to metal seal to the valve body below the bonnet threads
- Polished finish

Components	SS Models
Valve Body	316 Stainless Steel
Bonnet	316 Stainless Steel
Valve Stem	316 Stainless Steel
Handle	AUL T6061
Handle Set Screw	18-8 Stainless Steel
Panel Mount Lock	18-8 Stainless Steel
Stem Seals	Viton O-Ring

NV SERIES SPECIFICATIONS					
	Part Number	Description	Case Quantity	Weight (lbs)	Weight (kgs)
Panel Mount	NV-12SS316	Needle Valve 1/2" FNPT 316 Stainless Steel Panel Mount	1	2	0.91
	NV-34SS316	Needle Valve 3/4" FNPT 316 Stainless Steel Panel Mount	1	2	0.91
	NV-10SS316	Needle Valve 1" FNPT 316 Stainless Steel Panel Mount	1	2	0.91

SPV Series SS Membrane Vessels

HYDRONIX SPV SERIES S.S. MEMBRANE VESSELS

are your best choice for a quality membrane vessel. High quality, durability, flawless finish are but a few features which make the SPV Series Membrane Vessel the best product in the market. Accurate dimensions and precise tolerances equal a perfectly engineered product that not only meets your requirements but fits your price expectations.

HYDRONIX SPV SERIES S.S. MEMBRANE VESSELS

have clamp closures that form tightly onto the vessel ends and incorporate glass reinforced Polyamide caps to provide a strong and tight seal.

Materials of Construction

- Body: 304 Stainless Steel
- End Caps: Glass Reinforced Polyamide
- O-Rings/Packing: EPDM



SPV SERIES SPECIFICATIONS

	Part Number	Size	Feed	Permeate	Housing	End Caps	Style	Type	Pressure	Qty	Weight (lbs)	Weight (kgs)
MEMBRANE VESSELS	SPV-2521	2.5" x 21"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	9	4.08
	SPV-2540	2.5" x 40"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	11	4.99
	SPV-4021-12	4" x 21"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	14	6.35
	SPV-4040-12	4" x 40"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	SPV-4040-34	4" x 40"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	SPV-4040SP	4" x 40"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	19	8.62
	SPV-4043	4" x 43"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	21	9.53
	SPV-4061	4" x 61"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	24	10.89
	SPV-4080	4" x 80"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	30	13.61
	SPV-4080SP	4" x 80"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	30	13.61

* SPV-4080 will include both SPV-40 COUPLER and SPV-40CPLR for customer's choice.

SPV SERIES SPECIFICATIONS

	Part Number	Description	Case Qty
ACCESSORIES	SPV-25CAP	End Cap Black for 2.5" RO Vessel	1
	SPV-25CLMPKIT	Clamp Set for 2.5" RO Vessel	1
	SPV-25CAPORING	Cap O-Ring for 2.5" RO Vessel	1
	SPV-40CAPORING	Cap O-Ring for 4.0" RO Vessel	1
	SPV-40CAP12	End Cap Black for 4" RO Vessel 1/2" Feed Port, 1/2" Brine	1
	SPV-40CAP34	End Cap Black for 4" RO Vessel 3/4" Feed Port, 1/2" Brine	1
	SPV-40CHNLCLMP	Channel Clamp for 4" RO Vessel	1
	SPV-40CLMPKIT	Clamp Set for 4" RO Vessel	1
	SPV-40COUPLER	Coupler for 4" Membrane	1
	SPV-40CPLR-SP	Coupler for 4" Side Port	1
	SPV-ORING	Permeate O-Ring for 2.5" & 4" SPV End Cap	1



SPV-40CLMPKIT



SPV-40CLMPKIT

FRPV Series

FRP Pressure Vessel

HYDRON FRPV SERIES MEMBRANE HOUSINGS are durable composite reinforced membrane vessels designed for use in commercial, municipal and industrial Reverse Osmosis systems. Hydron FRPV vessels are coated with high gloss polyurethane paint to provide resistance to UV rays and other elements and are available upto 300psi and 600psi ratings.

HYDRON FRPV SERIES MEMBRANE HOUSINGS have a compact design and offer a reliable head seal area. Hydron FRPV membrane housings are made to meet the demands of long term and continuous use.

FRPV SERIES SPECIFICATIONS					
	Part Number	Description	Feed Water Port	Rejection Port	Permeate Port
4" @300 PSI	FRPV-4030E	4" FRP Pressure Vessel, 300 PSI, 1 Element, End Port	3/4"	3/4"	1/2"
	FRPV-408030E	4" FRP Pressure Vessel, 300 PSI, 2 Elements, End Port	3/4"	3/4"	1/2"
8" @300 PSI	FRPV-8030S-1	8" FRP Pressure Vessel, 300 PSI, 1 Element, End Port	1/2"	1/2"	1"
	FRPV-8030S-2	8" FRP Pressure Vessel, 300 PSI, 2 Elements, End Port	1/2"	1/2"	1"
	FRPV-8030S-3	8" FRP Pressure Vessel, 300 PSI, 3 Elements, End Port	1/2"	1/2"	1"
	FRPV-8030S-4	8" FRP Pressure Vessel, 300 PSI, 4 Elements, End Port	1/2"	1/2"	1"
	FRPV-8030S-5	8" FRP Pressure Vessel, 300 PSI, 5 Elements, End Port	1/2"	1/2"	1"
	FRPV-8030S-6	8" FRP Pressure Vessel, 300 PSI, 6 Elements, End Port	1/2"	1/2"	1"
8" @600 PSI	FRPV-8060S-1	8" FRP Pressure Vessel, 600 PSI, 1 Element, End Port	1/2"	1/2"	1"
	FRPV-8060S-2	8" FRP Pressure Vessel, 600 PSI, 2 Elements, End Port	1/2"	1/2"	1"
	FRPV-8060S-3	8" FRP Pressure Vessel, 600 PSI, 3 Elements, End Port	1/2"	1/2"	1"
	FRPV-8060S-4	8" FRP Pressure Vessel, 600 PSI, 4 Elements, End Port	1/2"	1/2"	1"
	FRPV-8060S-5	8" FRP Pressure Vessel, 600 PSI, 5 Elements, End Port	1/2"	1/2"	1"
	FRPV-8060S-6	8" FRP Pressure Vessel, 600 PSI, 6 Elements, End Port	1/2"	1/2"	1"

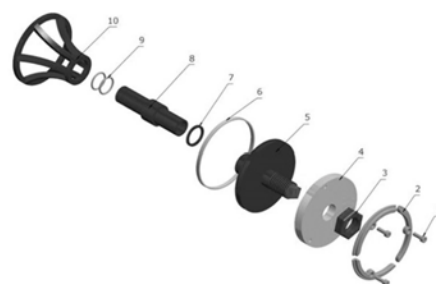
FRPV SERIES ACCESSORIES		
	Part Number	Description
4" FRPV Vessel	FRPV-40CAP34	End Cap for 4" RO Vessel, 3/4" Feed Port, 1/2" Permeate Port (includes retaining ring kit)
	FRPV-40CAPORING	End Cap for 4" RO Vessel, 3/4" Feed Port, 1/2" Permeate Port (includes retaining ring kit)
	FRPV-ORING	O-ring for 4" FRPV End Cap
	FRPV-40SADDLE	Saddle and Strap Kit for 4" RO Vessel
8" FRPV Vessel	FRPV-80LKPLTE	Locking Plate + Bolt, 3 pcs each (Diagram - 1 & 2)
	FRPV-80FSTBLT	Fastening Nut (Diagram - 3)
	FRPV-80BEARPLT	Bearing Plate (Diagram - 4)
	FRPV-80SEALPLT	Sealing Plate O-ring - Reinforced ABS (Diagram - 5)
	FRPV-80ORINGSP	Sealing Plate O-ring (Diagram - 6)
	FRPV-80ORINGAD	Adaptor O-ring (Diagram - 7)
	FRPV-80ADAPTOR	Nylon Adaptor (Diagram - 8)
	FRPV-80ORINGPW	Adaptor O-ring, Pure Water, 1 pc (Diagram - 9)
	FRPV-80TCONE	Thrust Cone (Diagram - 10)
	FRPV-80SADDLE	Saddle and Strap Kit for 8" RO Vessel
	FRPV-80COUPSS	Coupling for 8" FRPV

Materials of Construction

- Shell: Filament Wound Glass Composite
- Coating: High Gloss Polyurethane
- O-ring: Neopreno
- 4"FRPV End Cap: Nylon
- 8" Bearing Plate: Aluminum (Diag. 4)
- 8" Sealing Plate: Reinforced ABS (Diag. 5)

Diagram

FRPV-80 Exploded View



FRPV Series



FRPV-4030E
OUTER DIAMETER
BODY: Ø4.33" / 110 mm
HEAD: Ø5.23" / 133 mm



FRPV-80
OUTER DIAMETER
BODY: Ø8.26" / 210 mm
HEAD: Ø9.64" / 245 mm

Maximum Operating Pressure

- 300 psi (20 bar) — FRPV-40 & FRPV-8030
- 600 psi (40 bar) — FRPV-8060

Temperature Rating

- 20 °F - 120 °F (-7 °C - 49 °C)

CAUTION

INCORRECT INSTALLATION, OPERATION AND MAINTENANCE OF THESE VESSELS MAY CAUSE LOSS OF LIFE, SEVER BODILY INJURY, AND OR PROPERTY DAMAGE.



MRH Series

Stainless Steel Filter Housings

HYDRONIX MRH SERIES STAINLESS STEEL FILTER HOUSINGS

are ideal for most industrial/commercial applications with our welded leg design as a standard, (not "optional") feature, we eliminate the added expense to your application. MRH Series Housings are commonly used for pre-filtration for Reverse Osmosis (RO) systems, farms, food service, car washes, agriculture and many other uses.

HYDRONIX MRH SERIES STAINLESS STEEL FILTER HOUSINGS

are made with a high grade 304 or 316 Stainless Steel as standard. MRH Series housings easily accept Hydronix CB, SDC, SBC, SPC, SWC, DP and AR Series Cartridges. With a wide range of models, options, and filter cartridges, these units can easily meet most any requirement.

Materials of Construction

- Housing: 304 or 316 Stainless Steel
- Closure: Stainless Steel
- O-Rings: EPDM (FDA Grade)

Operating Data

- 150 PSI at 200 °F (10.34 BAR at 93.33 °C)

MRH SERIES SPECIFICATIONS

	Part Number	Description	Flow Rate (GMP)	Flow Rate (LPM)	Case Qty	Box Dimension (in)	Weight (lbs)	Weight (kgs)
150 PSI	MRH-710-2	SS304 Filter Housing 10", 7 Round, 150 PSI, 2"FNPT	35	132	1	16 x 16 x 30	66	29.94
	MRH-720-2	SS304 Filter Housing 20", 7 Round, 150 PSI, 2"FNPT	70	265	1	16 x 16 x 41	77	34.93
	MRH-730-2	SS304 Filter Housing 30", 7 Round, 150 PSI, 2"FNPT	105	397	1	16 x 16 x 50	88	39.92
	MRH-740-2	SS304 Filter Housing 40", 7 Round, 150 PSI, 2"FNPT	140	530	1	16 x 16 x 60	101	45.81
	MRHS-710-2	SS316 Filter Housing 10", 7 Round, 150 PSI, 2"FNPT	35	132	1	16 x 16 x 30	66	29.94
	MRHS-720-2	SS316 Filter Housing 20", 7 Round, 150 PSI, 2"FNPT	70	265	1	16 x 16 x 41	77	34.93
	MRHS-730-2	SS316 Filter Housing 30", 7 Round, 150 PSI, 2"FNPT	105	397	1	16 x 16 x 50	88	39.92
	MRHS-740-2	SS316 Filter Housing 40", 7 Round, 150 PSI, 2"FNPT	140	530	1	16 x 16 x 60	101	45.81

* 10", 20", 30" & 40", 8 to 173 Round, 3" & 4" Flange available on special order.

MRH SERIES PARTS

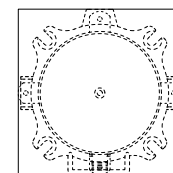
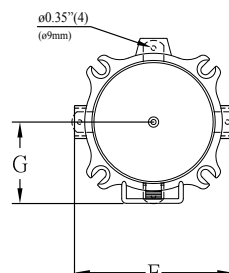
	Part Number	Description	Case Quantity
PARTS	MRH-7-ORING	O-Ring for MRH Units	1
	MRH-7-SPRING	Spring for MRH Units	1
	MRH-7-TOPPLATE	Top Plate for MRH Units	1

Standard Features

- Electro polishing
- Legs
- Accepts DOE, 222/Flat or 222/Fin

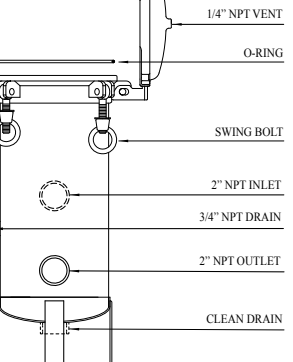
Port Dimensions

Vent: 1/4" NPT
Inlet: 2" NPT
Outlet: 2" NPT
Drain: 3/4" NPT



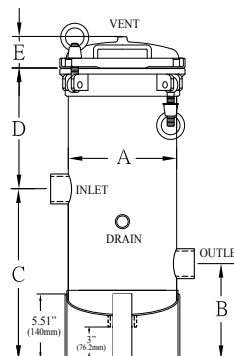
F
FOOT PRINT

HANDLE



Filter Housing Dimensions

Model	A Body Width	B Base to Outlet	C Base to Inlet	D Inlet to cover	E Cover	F Foot Print Width	G Handle to Vent
710	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	10.16 in 258 mm	2.56 in 65 mm	12.12 in 308 mm	5.5 in 140 mm
720	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	20.19 in 513 mm	2.56 in 65 mm	12.12 in 308 mm	5.5 in 140 mm
730	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	30.23 in 768 mm	2.56 in 65 mm	12.12 in 308 mm	5.5 in 140 mm
740	9.13 in 232 mm	8.07 in 205 mm	14.37 in 365 mm	40.27 in 1023 mm	2.56 in 65 mm	12.12 in 308 mm	5.5 in 140 mm



BF Series

Stainless Steel Bag Filter Housings



HYDRONIX BF SERIES BAG FILTER HOUSINGS

Are ideal for most industrial/commercial applications. Our welded leg design as a standard feature, eliminates the added expense to your application. Commonly used for pre-filtration to Reverse Osmosis (RO) systems, farms, food service, car washes, agriculture and many other uses.

Materials of Construction

- Housing: 304 stainless steel
- Closure: Stainless Steel
- O-Ring: EPDM (FDA Grade)

Port Dimensions

Vent: 1/4" NPT
Inlet: 2" NPT
Outlet: 2" NPT
Drain: 3/4" NPT

Operating Data

- 150 PSI at 200 °F (10.34 BAR at 93.33 °C)

Basket Dimensions

- For BF1: 13.78" x 6.75" (350mm x 171.5mm)
- For BF2: 28.74" x 6.75" (730mm x 171.5mm)

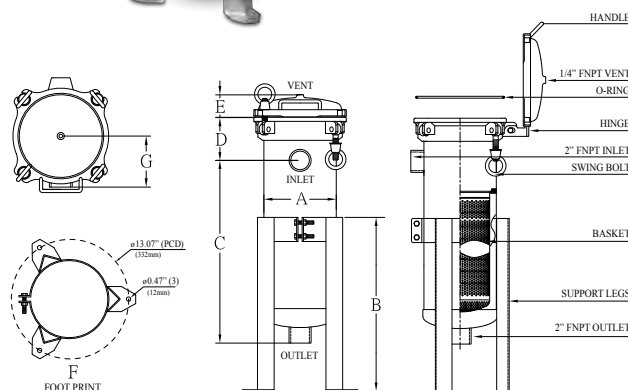


Standard Features

- Electro polishing and legs

Bag Filter Housing Dimensions

Model	A Body Width	B Legs Length	C Outlet to Inlet	D Inlet to cover	E Cover	F Foot Print Radius (PCD)	G Hinge to Vent
BF1	8.86 in 225 mm	19.84 in 504 mm	20.86 in 530 mm	4.92 in 125 mm	2.55 in 65 mm	ø 13.07 in ø 332 mm	5.62 in 143 mm
BF2	8.86 in 225 mm	27.71 in 704 mm	35.82 in 910 mm	4.92 in 125 mm	2.55 in 65 mm	ø 13.07 in ø 332 mm	5.62 in 143 mm



BF SERIES SPECIFICATIONS							
	Part Number	Description	Flow Rate (GPM)	Flow Rate (LPM)	Case Qty	Weight (lbs)	Weight (kgs)
HOUSING	BF1-304-2N	304SS Bag Filter Housing, 150 PSI, 2" FNPT	90	341	1	60	27.22
	BF2-304-2N	304SS Bag Filter Housing, 150 PSI, 2" FNPT	180	681	1	80	36.29

Flow rates are based on water and are for guidelines only.

T Series

Stainless Steel Single Element Filter Housings

HYDRONIX T SERIES SINGLE ELEMENT FILTER HOUSINGS

Are designed with a double o-ring compression which allows for positive sealing and easy access.

Materials of Construction

- Housing: 304 stainless steel
- Closure: Stainless Steel
- O-Ring: Silicone (Standard)

Standard Features

- Electro-polished finish
- Includes 1/8" NPT vent and 1/8" NPT drain

Operating Data

- Max Pressure: 150 PSI (10.34 bar)
- Max. Temperature: 250 °F (121 °C) - (Body Only)



T SERIES SPECIFICATIONS						
Part Number	Description	Flow Rate (GPM)	Flow Rate (LPM)	Case Qty	Weight (lbs)	Weight (kgs)
T1-304-34	10", 304 SS Filter Housing, 3/4" FNPT (T1)	5	18.9	1	9	4.08
T2-304-34	10", 304 SS Filter Housing, 3/4" FNPT (T2)	10	37.8	1	12	5.44

PG Series Pressure Gauges



Materials of Construction

- Casings: Brass, 304 SS and 316 SS
- Internals: Brass and 316 SS
- Stems: Chrome-plated brass, 304 SS or 316 SS
- Face: White Aluminum, Black and Blue Print
- Lens: Clear Acrylic
- Pointer: Aluminum, Black
- Fluid: UV Resistant Synthetic Silicone

Temperature Rating

- 0 °F (-18 °C) to 140 °F (60 °C)

Optional Features

- Custom dials
- Special connections
- Various case materials
- Custom Labeling

Model # Guide

Pressure Gauge	Face Diameter	Mount
PG	S 25	100 L
	Case Material SS 316	PSI Ranges
LEGEND		
Case Material:	S = All 316 SS Case & Material	PSI Ranges: 100 = 0-100 150 = 0-150 160 = 0-160 200 = 0-200 300 = 0-300 400 = 0-400 600 = 0-600
Face Diameter:	15 = 1.5" 25 = 2.5" 40 = 4.0"	
Mounting:	B = Center Back (Flange Included) L = Lower/Bottom	

HYDRONIX PG SERIES PRESSURE GAUGES

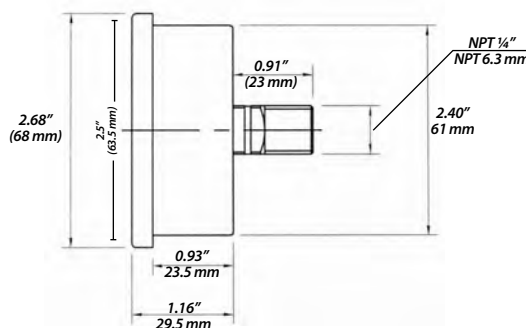
are UV resistant, high quality pressure gauges designed with the OEM in mind. From the high grade synthetic fluid used, to our special chrome plated stems, we have designed a gauge that is not only accurate but durable.

HYDRONIX PG SERIES PRESSURE GAUGES

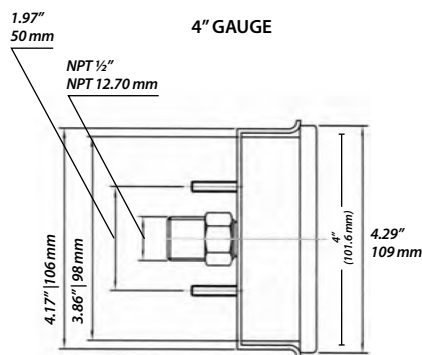
have easy-to-read two-tone dials printed in bold UV resistant ink for ease of legibility even after extensive exposure to direct sunlight. Every gauge is tested for accuracy and leakage. Hydronix PG Series pressure gauges are designed for demanding applications internationally such as Reverse Osmosis, oil refining, chemical, food processing plants, water treatment just to name a few.

PG SERIES SPECIFICATIONS		
	Part Number	Description
LOWER MOUNT	PG25100L	2.5" Gauge, 0-100 PSI S.S. 1/4" NPT, Lower Mount
	PG25160L	2.5" Gauge, 0-160 PSI S.S. 1/4" NPT, Lower Mount
CENTER BACK MOUNT	PG15150B	1.5" Gauge, 0-150 PSI S.S. 1/4" NPT, Back Flange
	PG25100B	2.5" Gauge, 0-100 PSI S.S. 1/4" NPT, Back Flange
	PG25160B	2.5" Gauge, 0-160 PSI S.S. 1/4" NPT, Back Flange
	PG25300B	2.5" Gauge, 0-300 PSI S.S. 1/4" NPT, Back Flange
	PG40100B	4" Gauge, 0-100 PSI S.S. 1/4" NPT, Back Flange
	PG40300B	4" Gauge, 0-300 PSI S.S. 1/4" NPT, Back Flange
	PGS40100B	4" Gauge, 0-100 PSI All S.S. 1/4" NPT, Back Flange
	PGS40300B	4" Gauge, 0-300 PSI All S.S. 1/4" NPT, Back Flange

2.5" GAUGE



4" GAUGE



PFM Series / AFM Series/ IFM Series

Panel Mount/Panel Mount Adjustable/Inline Flow meters

HYDRONIX PFM/AFM/IFM SERIES FLOW METERS

have easy-to-read scales, silk screened onto the acrylic bodies, that are extremely accurate. With our durable, attractive, low cost construction, and practically unbreakable bodies, you will soon make these your flow meters of choice.

Materials of Construction

- Body: Acrylic, Plastic
- O-Rings: EPDM
- Connections: Polypropylene
- Guide: 304 Stainless Steel
- Float: 304 Stainless Steel

Operating Data

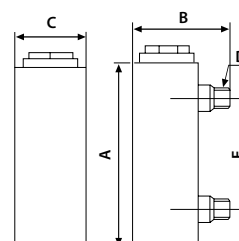
- Max Pressure: 150 PSI (10.34 bar)
- Max. Temperature: 250 °F (121 °C) - (Body Only)

PFM SERIES SPECIFICATIONS							
Part Number	Calibration		Dimension Data (Inches)				
	GPM	LPM	A	B	C	D (Adapter Size)	E
PFM-011	0.1~1	0.4~4	8.11	2.75	1.26	1/4" MNPT	6.50
PFM-022	0.2~2	0.8~8	8.11	2.75	1.26	3/8" MNPT	6.50
PFM-055	0.5~5	2~19	8.11	2.75	1.26	1/2" MNPT	6.50
PFM-210	2~10	8~38	8.66	3.66	1.54	3/4" MNPT	6.50
PFM-216	2~16	8~61	8.66	3.66	1.54	1" MNPT	6.50
PFM-424	4~24	15~91	9.44	3.86	1.73	1" MNPT	6.50
PFM-535	5~35	19~132	9.44	3.86	1.73	1" MNPT	6.50

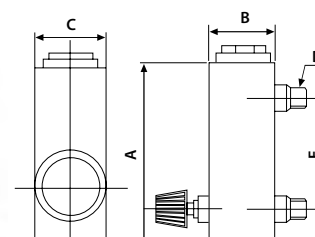
AFM SERIES SPECIFICATIONS							
Part Number	Calibration		Dimension Data (Inches)				
	GPM	LPM	A	B	C	D (Adapter Size)	E
AFM-011	0.1~1	0.4~4	6.61	1.37	1.26	1/4" MNPT	5.00
AFM-022	0.2~2	0.8~8	8.11	2.75	1.26	3/8" MNPT	6.50
AFM-055	0.5~5	2~18	8.11	2.75	1.26	1/2" MNPT	6.50
AFM-210	2~10	8~37	8.66	3.66	1.54	3/4" MNPT	6.50
AFM-216	2~16	8~60	8.66	3.66	1.54	1" MNPT	6.50
AFM-624	6~24	23~91	9.44	3.86	1.73	1" MNPT	6.50
AFM-1035	10~35	37~132	9.44	3.86	1.73	1" MNPT	6.50

IFM SERIES SPECIFICATIONS							
Part Number	Calibration		Dimension Data (Inches)				
	GPM	LPM	A	B	C	D (Adapter Size)	
IFM-022	0.2~2	0.8~8	8.26	7.09	1.26	1/2" FNPT	
IFM-055	0.5~5	2~18	8.26	7.09	1.26	1/2" FNPT	
IFM-110	1~10	4~38	10.94	9.29	1.77	3/4" FNPT	
IFM-220	2~20	8~75	10.43	9.25	2.01	1" FNPT	
IFM-530	5~30	18~113	10.43	9.25	2.01	1" FNPT	
IFM-2060	20~60	75~227	12.05	9.25	2.01	1 1/2" MNPT	
IFM-20100	20~100	75~378	14.96	10.63	2.95	2" FNPT	
IFM-40120	40~120	151~454	14.96	10.63	2.95	2" FNPT	
IFM-50150	50~150	189~568	14.96	10.63	2.95	2" FNPT	
IFM-60200	60~200	227~757	14.96	3.86	2.95	2" FNPT	

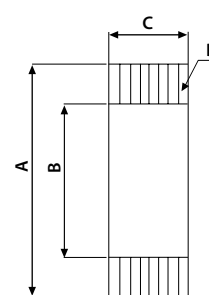
Flow meters are tested and calibrated for water only.
Although they may be suitable for other liquids, Hydronix will not guarantee them.



PFM - Panel Mount



AFM - Adjustable Mount



IFM - Inline Style

To view our complete line of AQUATROL™
Valves, Tanks, Distributors, Hub & Laterals, and Chemical Feed Pumps please visit:





AQUATROLTM
PRESSURE TANKS





AT Series Pressure Tanks Chart

	Part Number	Size		Diameter		Height Without Base		Height With Base				Capacity	
		Inches	mm	Inches	mm	Inches	mm	Inches	mm	Connection	Color	Gallons	Liters
6"	AT-0618BL-25T	06x18	152x457	6	152	18.03	458	18.23	463	2.5" T	Blue	1.8	6.7
	AT-0713BL-25T	07x13	178x 330	7	178	13.03	331	13.19	335	2.5" T	Blue	1.9	7.2
7"	AT-0713BK-25T	07x13	178x 330	7	178	13.03	331	13.19	335	2.5" T	Black	1.9	7.2
	AT-0717BL-25T	07x17	178x 432	7	178	17.01	432	17.20	437	2.5" T	Blue	2.5	9.5
	AT-0735BL-25T	07x35	178x889	7	178	35.08	891	35.28	896	2.5" T	Blue	5.2	19.7
	AT-0744BL-25T	07x44	178x1118	7	178	44.02	1118	44.21	1123	2.5" T	Blue	6.7	25.4
8"	AT-0813BL-25T	08x13	203x330	8	203	12.60	320	12.80	325	2.5" T	Blue	2.0	7.7
	AT-0817BL-25T	08x17	203x432	8	203	17.01	432	17.20	437	2.5" T	Blue	2.9	11.0
	AT-0835BL-25T	08x35	203x889	8	203	35.08	891	35.31	897	2.5" T	Blue	6.6	24.8
	AT-0844BL-25T	08x44	203x1118	8	203	44.02	1118	44.17	1122	2.5" T	Blue	8.7	32.9
9"	AT-0844BK-25T	08x44	203x1118	8	203	44.02	1118	44.17	1122	2.5" T	Black	8.7	32.9
	AT-0917BL-25T	09x17	229x432	9	229	17.01	432	17.28	439	2.5" T	Blue	3.6	13.7
	AT-0935BL-25T	09x35	229x889	9	229	35.08	891	35.35	898	2.5" T	Blue	8.3	31.4
	AT-0948BL-25T	09x48	229x1219	9	229	48.07	1221	48.35	1228	2.5" T	Blue	12.7	48.1
10"	AT-0948BK-25T	09x48	229x1219	9	229	48.07	1221	48.35	1228	2.5" T	Black	12.7	48.1
	AT-1017BL-25T	10x17	254x432	10	254	16.97	431	17.09	434	2.5" T	Blue	4.4	16.8
	AT-1035BL-25T	10x35	254x889	10	254	35.08	891	35.16	893	2.5" T	Blue	10.2	38.6
	AT-1044BL-25T	10x44	254x1118	10	254	44.02	1118	44.13	1121	2.5" T	Blue	13.1	49.6
12"	AT-1054BK-25T	10x54	254x1372	10	254	54.25	1378	54.37	1381	2.5" T	Black	16.4	62.1
	AT-1054BL-25T	10x54	254x1372	10	254	54.25	1378	54.37	1381	2.5" T	Blue	16.4	62.1
	AT-1217BL-25T	12x17	305x432	12	305	17.09	434	17.64	448	2.5" T	Blue	21.0	79.3
	AT-1248BL-25T	12x48	305x1219	12	305	48.43	1230	48.98	1244	2.5" T	Blue	21.0	79.3
13"	AT-1252BL-25T	12x52	305x1321	12	305	52.13	1324	52.68	1338	2.5" T	Blue	22.2	84.0
	AT-1252BK-25T	12x52	305x1321	12	305	52.13	1324	52.68	1338	2.5" T	Black	22.2	84.0
	AT-1265BL-25T	12x65	305x1651	12	305	63.8	1621	65.6	1666	2.5" T	Blue	22.2	84.0
	AT-1344BL-25T	13x44	330x1118	13	330	44.53	1131	45.08	1145	2.5" T	Blue	21.9	82.8
14"	AT-1354BL-25T	13x54	330x1372	13	330	54	1384	55.3	1405	2.5" T	Blue	27.5	104.1
	AT-1354BK-25T	13x54	330x1372	13	330	54	1384	55.3	1405	2.5" T	Black	27.5	104.1
	AT-1465BL-25T	14x65	356x1651	14	356	63.8	1621	65.6	1666	2.5" T	Blue	40.6	153.7
	AT-1465BK-25T	14x65	356x1651	14	356	63.8	1621	65.6	1666	2.5" T	Black	40.6	153.7
16"	AT-1465BL-4T	14x65	356x1651	14	356	63.8	1621	65.6	1666	4" T	Blue	40.6	153.7
	AT-1665BL-25T	16x65	406x1651	16	406	63.8	1621	64.6	1641	2.5" T	Blue	49.0	185.5
	AT-1665BK-25T	16x65	406x1651	16	406	63.8	1621	64.6	1641	2.5" T	Black	49.0	185.5
	AT-1665BL-4T	16x65	406x1651	16	406	63.8	1621	64.6	1641	4" T	Blue	49.0	185.5
18"	AT-1665NA-4T4B	16x65	406x1651	16	406	63.8	1621	64.6	1641	4" T 4"B	Natural	49.0	185.5
	AT-1865NA-4T	18x65	457x1651	18	457	63.8	1621	72.2	1834	4" T	Natural	66.7	252.5
	AT-1865NA-4T4B	18x65	457x1651	18	457	63.8	1621	72.2	1834	4" T 4"B	Natural	66.7	252.5
	AT-2162NA-4T	21x62	533x1575	21	533	63	1600	72.5	1842	4" T	Natural	88.0	333.1
21"	AT-2162NA-4T4B	21x62	533x1575	21	533	63	1600	72.5	1842	4" T 4"B	Natural	88.0	333.1
	AT-2472NA-4T	24x72	610x1829	24	610	72.05	1830	79.5	2019	4" T	Natural	126.8	480.0
24"	AT-2472NA-4T4B	24x72	610x1829	24	610	72.05	1830	79.5	2019	4" T 4"B	Natural	126.8	480.0
	AT-3072NA-4T	30x72	762x1829	30	762	72.05	1830	79.5	2019	4" T	Natural	195.5	740.0
30"	AT-3072NA-4T4B	30x72	762x1829	30	762	72.05	1830	79.5	2019	4" T 4"B	Natural	195.5	740.0
	AT-3672NA-4T	36x72	914x1829	36	914	72.05	1830	79.5	2019	4" T	Natural	283.0	1071.3
36"	AT-3672NA-4T4B	36x72	914x1829	36	914	72.05	1830	79.5	2019	4" T 4"B	Natural	283.0	1071.3
	AT-3672NA-6T6B	36x72	914x1829	36	914	76.38	1940	89.0	2260	6" T 6"B	Natural	271.3	1027.0
	AT-3694NA-6T6B	36x94	914x2388	36	914	84.25	2140	94.5	2400	6" T 6"B	Natural	271.3	1027.1
	AT-4272NA-6T6B	42x72	1066x 1829	42	1066	72.05	1830	89.4	2270	6" T 6"B	Natural	290.6	1100.0
48"	AT-4872NA-6T6B	48x72	1219x1829	48	1219	70.91	1801	81.1	2060	6" T 6"B	Natural	477.7	1808.3
	AT-4894NA-6T6B	48x94	1219x2388	48	1219	83.07	2110	94.5	2400	6" T 6"B	Natural	657.1	2487.0
	AT-6094NA-6T6B	60x94	1524x2388	60	1524	83.07	2110	94.5	2400	6" T 6"B	Natural	710.2	2688.0
60"	AT-60110NA-6T6B	60x110	1524x2794	60	1524	98.82	2510	110.2	2800	6" T 6"B	Natural	896.2	3392.0
	AT-6370NA-6T6B	63x70	1600x1778	63	1600	70.08	1780	82.7	2100	6" T 6"B	Natural	687.0	2600.6
63"	AT-6383NA-6T6B	63x83	1600x2108	63	1600	81.89	2080	94.5	2400	6" T 6"B	Natural	832.3	3150.0

LEGEND: T = Top B = Bottom
4 = 4" 6 = 6"

Colors Options :

BL - Blue
BK - Black
NA - Natural



THIS VESSEL IS ONLY APPROVED FOR WATER PRESSURE USE. ALL OTHER USES OR SOLUTIONS TO BE USED MUST BE APPROVED BY MANUFACTURER.

DO NOT USE FOR PNEUMATIC OR HYDRO-PNEUMATIC APPLICATION. VESSEL MUST NOT BE EXPOSED TO TEMPERATURE BELOW -29°C (-20°F)

* For complete installation and handling instructions, please visit:
http://aquatroltech.com/dl/AQT_Tanks_Manual.pdf

AT Series

Pressure Tanks



Operating Parameters

- Maximum Operating Pressure: 150 PSI (10 Bar)
- Maximum Operating Temperature: 104°F (40°C)

Design Parameters

- Cycle Test
- Safety Factor

Safety Factors

- 100,000 Cycle Test without leaks
- Safety Factor 4:1 (Minimum burst at 600 psi)

Specifications

- Max. Pressure: 10.5 Bar (150 PSIG)
- Max. Temperature: 49°C (120°F)
- Min. Temperature: 1°C (34°F)
- Max. Vacuums: 140 mmHg (5.5" Hg)

DO NOT EXCEED SPECIFICATIONS



Certified to
NSF/ANSI Standard 61 for
materials requirements only.

COMPONENT



Connections

- 2.5", 4", 6" Connections
- Top, Top and Bottom
- Threaded and Flange



Materials of Construction

- Polyethylene inner shell: 7" - 36"
- FRP: 40" - 63"



Warranty

- 10 Year Warranty for 6" - 13" vessels
- 5 Year Warranty for 14" - 63" vessels

For Terms & Conditions refer to Appendix | iv

ADP Series

Chemical Dosing Pump

AQUATROL™ CHEMDOSE CHEMICAL DOSING PUMPS

are not only reliable, quiet and completely enclosed, the housing is chemical resistant and provides outstanding protection in outdoor or indoor applications. With its durable Teflon diaphragm and PTFE pump head you can rest assured that it will provide years of service with little to no maintenance. Stroke length and stroke speed can be manually adjusted and standard priming without removing tubing makes it easy to put into operation.

AQUATROL™ CHEMDOSE CHEMICAL DOSING PUMPS

give you the flexibility to dose from 6GPD to 38GPD with one single pump. This offers greater versatility and convenience for a broad range of applications and puts you in control of your product applications with one single unit.

Chemical compatibility

- Alum
- Calcium Hypochlorite
- Muriatic Acid (5% Hydrochloric Acid)
- Polyphosphates
- Potassium Permanganate, 10%
- Sodium Bicarbonate
- Sodium Carbonate
- Sodium Hydroxide
- Sodium Hypochlorite
- Sodium Hexametaphosphate
- Sodium Phosphate
- Sodium Thiosulfate
- Vinegar

The pump should be used to dose the liquid which has been expressly designed to dose. Chemical compatibility of this pump with the following solutions is rated as good. For chemicals not listed, please contact your local representative or the factory.

CHEMICAL DOSING PUMP - SPECIFICATIONS	
Part Number	Description
ADP-01141-1	AQUATROL™ Dosing Pump, 110v, 60/50hz
ADP-01141-2	AQUATROL™ Dosing Pump, 220v, 60/50hz



Operating Data

- Max. Capacity: 38 GPD (144 LPD)
- Pressure: 72.5 PSI (5 BAR)
- Power: 40 W
- Voltage: 110V or 220 V
- Hertz: 50/60 Hz
- Flow: 1.6 GAL/h (6 L/h)
- Max. Temperature: 104 °F (40 °C)
- Pulse per minute: 140
- Suction: 2 m
- IP55 protection
- Anticorrosive plastic casing
- Manual stroke frequency control
- Product Weight: 4.85 lbs (2.2 kg)

Materials of Construction

- LIQUID ENDS MATERIALS:
- Diaphragm : TEFLON
- Pump head: PVC, PP, SS316, PTFE
- Filter: PP
- Injection valve: PP (G1/2")
- Suction tube: PVC, PE, PTFE
- Delivery tube: PVC, PE, PTFE
- Seals: FPM
- Suction and the delivery valve: PVC, PP, SS316, PTFE

CHEMICAL DOSING PUMP PARTS - SPECIFICATIONS	
Part Number	Description
ADP-KOPKIT	Diaphragm and Head with Check Valves (output and inlet)

Aquatrol will not be held responsible for damage deriving from improper use of the pump.



NSF

Tested and certified by NSF International to ANSI/NSF Standard 44 for material requirements only.

CATION RESIN

Ion Exchange Resin

AQUATROL MED-CAT100E & MED-CA110E CATION RESIN

provide a high purity, premium cation resin designed for the treatment of foods, beverages, potable waters, and water used in the processing of food. Aquatrol MED-CAT100E & MED-CAT110E resin are a high grade resin which complies with the U.S. Food & Drug Administration (USFDA) CFR 21, Title 173.25 for use in the treatment of foods for human consumption.

AQUATROL MED-CAT100E & MED-CA110E CATION RESIN

have excellent hydraulic characteristics for optimal flow rate and backwash flow rates. Its high capacity and porosity characteristic provide exceptional kinetic behavior along with good physical, chemical and thermal stability.

CHEMICAL AND THERMAL STABILITY

Aquatrol MED-CAT100E & MED-CAT110E are insoluble in dilute or moderately concentrated acids, alkalis, and in all common solvents. Thermally stable to higher than 248°F (120°C) in alkali's such as, sodium or alkaline earth like calcium and magnesium salt forms.

MED-CAT100E RESIN SPECIFICATIONS

Part Number	Description
MED-CAT100E	Aquatrol™ Strong Acid Cation Resin, 1 cu. ft. Bag
MED-CAT110E	Aquatrol™ Strong Acid Cation Resin 10%, 1 cu. ft. Bag

Applications

This product is mainly used for softening hard water and preparing pure and high purity water. In addition, it is used in separation and purification of trace elements as well as hydro-metallurgy and pharmaceutical industry.

Product Specifications

- Flow Rate of Regenerate Solution: 17.6 - 26.4 Gpm (4 - 6 M/Hr)
- Operating Flow Rate: 44 - 198 Gpm (10 - 45 M/Hr)
- Rinse Flow Rate: 44 - 88 Gpm (10 - 20 M/Hr)
- Regenerate Contact Time: 30 - 60 Min
- Rinse Time: 30 Min
- Crosslink: 8%

International Equivalents

- Amberlite SR1L (American)
- Diaion SK-1 (Japan)
- Dowex HCR-SS (American)
- Lewatit S100 (German)
- Purolite C100, C100E (England)



NSF

Tested and certified by NSF International to ANSI/NSF Standard 61 for material requirements only.

CARBON GAC

Coconut Shell Granular Activated Carbon

AQUATROL MED-GCS SERIES COCONUT SHELL GRANULAR ACTIVATED CARBON

is a high quality coconut shell activated carbon for the removal of dissolved organic contaminants from water, wastewater and process liquids. The list of contaminants include taste and odor compounds, organic color, total organic carbon (TOC) and industrial chemicals such as chlorinated solvents (PCE, TCE).

AQUATROL MED-GCS SERIES COCONUT SHELL GRANULAR ACTIVATED CARBON

is produced under controlled conditions through high temperature steam activation. Its pore structure enables it to be used for adsorption of both high and low molecule weight impurities from water and diverse liquids.

AQUATROL MED-GCS-1240 & MED-GCS-830

is especially effective for adsorbing trace organic compounds such as vinyl chloride, MTBE, methylene chloride and trihalomethanes/disinfection by-products. GCS-1240 is certified to NSF/ANSI 61 standard and complies with the requirements for activated carbon as defined by the Food Chemicals Codex (FCC) (8th Edition) published by the U.S. Pharmacopeia.

MED-GCS SERIES SPECIFICATIONS

Part Number	Description
MED-GCS-1240	Aquatrol™ Coconut Shell Activated Carbon, 12 x 40, 1 cu. ft. Bag
MED-GCS-830	Aquatrol™ Coconut Shell Activated Carbon, 8 x 30, 1 cu. ft. Bag

Applications

Aquatrol MED-GCS Series Coconut Shell Activated Carbon can be used in a variety of water, wastewater and process liquid applications for the removal of dissolved organic compounds. MED-GCS Series can be used in applications such as process water purification, wastewater treatment and industrial chemical purification.

Product Specifications

- Flow Rate of Regenerate Solution: 17.6 - 26.4 gpm (4 - 6 m/hr)
- Iodine Number, mg/g: 1000 (min)
- Ash, wt%: 4.0 (max)
- Moisture (As Packaged), wt%: 5 (max)
- Density (Apparent), g/cc: 0.48 (min)
- Hardness Number: 95 (min)
- 12 US Mesh [1.70 mm], wt%: 5 (max)
- < 40 US Mesh [0.425 mm] (PAN), wt%: 4 (max)

AQUATROL



AQUATROLTM
PRESSURIZED TANKS



ARO Series

Hydropneumatic Pressurized Tanks



AQUATROL HYDROPNEUMATIC PRESSURIZED TANKS

are an ideal product for well applications and for applications where you want to minimize pump start-ups every time you use water. When the pump fills the tank with water, the air above the diaphragm is compressed and the increased pressure inside the tank causes the pump to shut-off. Minimized pump starts and stops prevent motor damage due to excessive cycling of the pump, creates more consistent water pressure and provides savings through reduced energy use.

AQUATROL HYDROPNEUMATIC PRESSURIZED TANKS

are constructed using high strength cold rolled carbon steel for added strength and painted with triple grade enamel making them extremely durable in outdoor applications.

AQUATROL HYDROPNEUMATIC PRESSURIZED TANKS

come with stainless steel 304 NPT connections, offer a heavy-duty butyl rubber diaphragm and provide you with the peace of mind of an FDA grade polypropylene liner. This coupled with its 5-year warranty and durable design makes them the logical choice for industry professionals because of their cost to benefit ratio.

Tank Specifications

- Factory Pre-Charge: 30 PSI (2 Bar)
- Max. Working Temp: 200 °F (93 °C)
- Max. Working Pressure: 150 PSI (10 Bar)

Materials of Construction

- Shell: Cold Rolled Carbon Steel
- Coating: Triple Grade Enamel
- Liner: FDA Grade Polypropylene
- Diaphragm: Heavy-Duty Butyl Rubber
- Connections: 304 Stainless Steel

Warranty

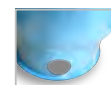
- Manufacturer Warranty: 5 Year Limited Warranty

INLINE MODELS SPECIFICATIONS						
Model Number	Tank Volume (gal / L)	Maximum Acceptance (gal / L)	DIMENSIONS			SHIPPING
			Tank Diameter (in / cm)	Tank Height (in / cm)	Tank Connection (NPT)	
ARO-305I-B10	0.5 gal / 3 L	0.25 gal / 0.95 L	5.1" / 13 cm	8.5" / 21.5 cm	1"	1.2 lbs / 0.5 kg
ARO-82I-B10	2 gal / 8 L	0.9 gal / 3.4 L	8" / 20.3 cm	11.4" / 29 cm	1"	2.5 lbs / 1.1 kg
ARO-1232I-B10	3.2 gal / 12 L	1.6 gal / 6.05 L	9.1" / 23 cm	15.4" / 39 cm	1"	3.2 lbs / 1.4 kg
ARO-1845I-B10	4.5 gal / 18 L	2.5 gal / 9.5 L	11" / 28 cm	15.4" / 39 cm	1"	3.7 lbs / 1.7 kg
ARO-246I-B10	6 gal / 24 L	3 gal / 11.4 L	11.6" / 29.5 cm	16.3" / 41.5 cm	1"	4.6 lbs / 2.1 kg
ARO-3810I-B10	10 gal / 38 L	5.2 gal / 19.7 L	11.6" / 29.5 cm	21.7" / 55 cm	1"	6.4 lbs / 2.9 kg

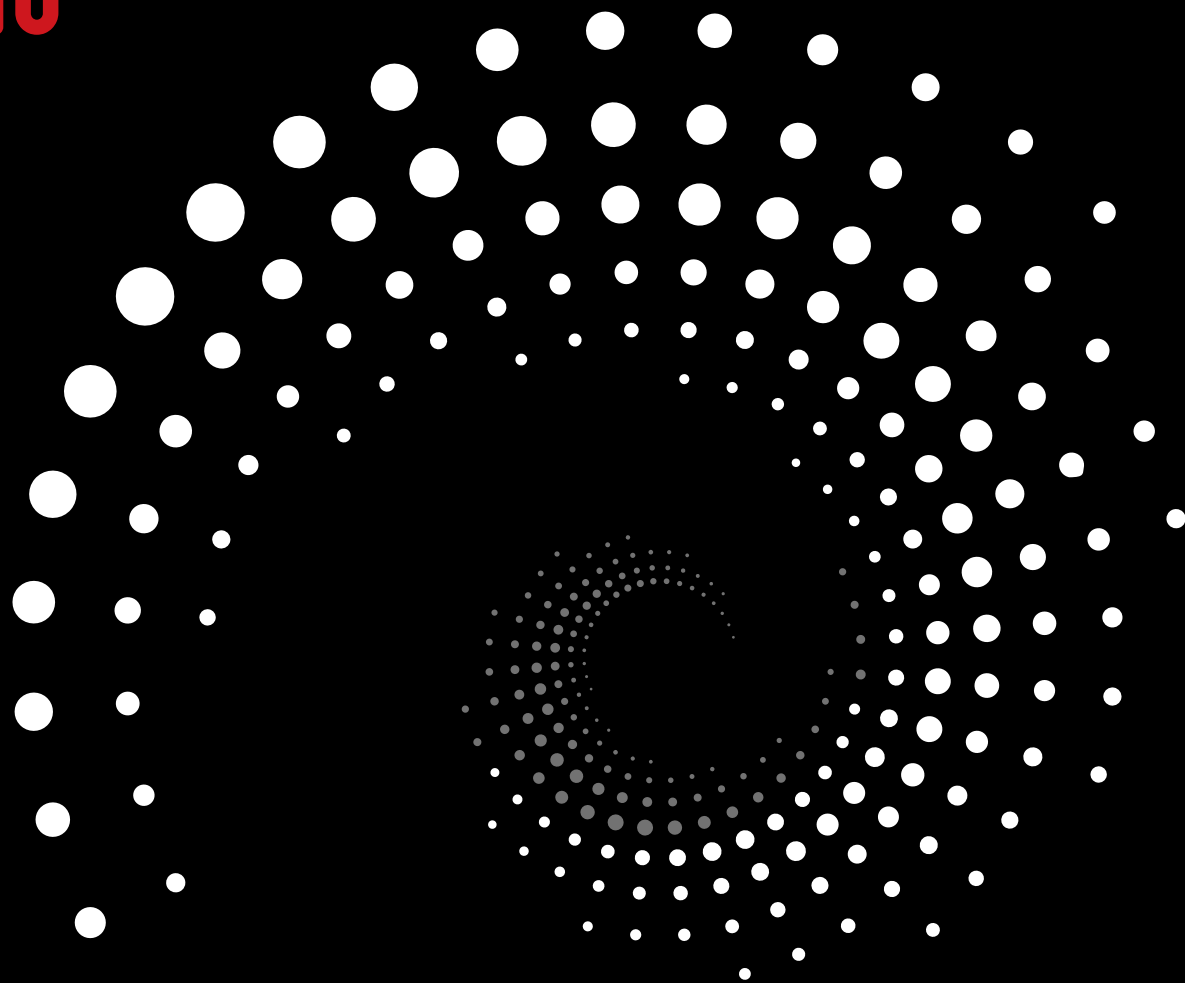
HORIZONTAL MODELS SPECIFICATIONS						
Model Number	Tank Volume (gal / L)	Maximum Acceptance (gal / L)	DIMENSIONS			SHIPPING
			Tank Diameter (in / cm)	Tank Height (in / cm)	Tank Connection (NPT)	
ARO-1845H-B10	4.5 gal / 18 L	2.5 gal / 9.5 L	11" / 28 cm	12" / 30 cm	1"	5 lbs / 2.3 kg
ARO-246H-B10	6 gal / 24 L	3 gal / 11.4 L	11.6" / 29.5 cm	12.6" / 32 cm	1"	6 lbs / 2.7 kg
ARO-3810H-B10	10 gal / 38 L	5.2 gal / 19.7 L	11.6" / 29.5 cm	12.6" / 32 cm	1"	7.8 lbs / 3.5 kg
ARO-5814H-B10	14 gal / 58 L	11.3 gal / 42.8 L	15" / 38.1 cm	17" / 42.5 cm	1"	11.7 lbs / 5.3 kg
ARO-8020H-B10	20 gal / 80 L	13 gal / 49.2 L	15" / 38.1 cm	17" / 42.5 cm	1"	15 lbs / 6.8 kg

VERTICAL MODELS SPECIFICATIONS						
Model Number	Tank Volume (gal / L)	Maximum Acceptance (gal / L)	DIMENSIONS			SHIPPING
			Tank Diameter (in / cm)	Tank Height (in / cm)	Tank Connection (NPT)	
ARO-5814V-B10	14 gal / 58 L	11.3 gal / 42.8 L	15" / 38.1 cm	23.6" / 66 cm	1"	9.7 lbs / 4.4 kg
ARO-8020V-B10	20 gal / 80 L	13 gal / 49.2 L	15" / 38.1 cm	30.7" / 78 cm	1"	13 lbs / 5.9 kg
ARO-10025V-B10	28 gal / 100 L	15 gal / 56.8 L	15" / 38.1 cm	39.2" / 99.5 cm	1"	15.5 lbs / 7 kg
ARO-12032V-B10	32 gal / 120 L	32 gal / 121 L	15" / 38.1 cm	44" / 112 cm	1"	19.2 lbs / 8.7 kg
ARO-13034V-B114	34 gal / 130 L	22.5 gal / 85 L	22" / 55.9 cm	29.5" / 75 cm	1 1/4"	22 lbs / 10 kg
ARO-16044V-B114	44 gal / 160 L	30 gal / 113.6	22" / 55.9 cm	36" / 91.5 cm	1 1/4"	25.5 lbs / 11.6 kg
ARO-23562V-B114	62 gal / 235 L	35.2 gal / 133 L	22" / 55.9 cm	45.7" / 116 cm	1 1/4"	36.5 lbs / 16.5 kg
ARO-30582V-B114	82 gal / 305 L	44 gal / 166.5 L	22" / 55.9 cm	57.1" / 145 cm	1 1/4"	46.8 lbs / 16.6 kg

NOTE: TANKS 34 GAL AND ABOVE HAVE A METAL TANK BASE.



Hydron



HYDRON™
MEMBRANE TECHNOLOGY





This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 58 for material requirements only.

COMPONENT



This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 61 for material requirements only.

COMPONENT

TW SERIES / HLP SERIES

*HYDRON™ Membrane Elements
Residential / Light Commercial*

HYDRON Membrane Elements

are a reliable alternative for your Residential/Light Commercial and small system membrane needs. HYDRON Membranes are manufactured in a State-of-the-Art, ISO-9001-2000 certified automatic rolling facility, providing you with a precise and advanced membrane element that not only delivers an attractive cost to benefit ratio, but also gives you a membrane that has consistently of high quality and performance.

HYDRON Membrane Elements

can be used in a variety of small size system applications, such as household water purification, laboratory, hydroponics, hospital, and many other applications where a reliable, performance membrane is needed.

TW MEMBRANE SPECIFICATIONS - RESIDENTIAL / LIGHT COMMERCIAL

Model	Part Number	Applied Pressure Psi (BAR)	Average Permeated Flow GPD (m3/d)	Stable Rejection Rate (%)
1.8"	TW-1812-50	60 (4.1)	50 (0.19)	97.5
	TW-1812-75	60 (4.1)	75 (0.28)	97.5
2.0"	TW-2012-100	60 (4.1)	100 (0.38)	95.0
3.0"	TW-3012	60 (4.1)	300 (1.14)	95.0

HLP MEMBRANE SPECIFICATIONS - LIGHT COMMERCIAL

Model	Part Number	Applied Pressure Psi (BAR)	Average Permeated Flow GPD (m3/d)	Stable Rejection Rate (%)
2.5"	HLP-2521	150 (10.3)	300 (1.3)	99.0
	HLP-2540	150 (10.3)	750 (2.8)	99.0
4"	HLP-4021	150 (10.3)	1000 (3.8)	98.0

BW, HLE & HLP SERIES

HYDRON Commercial / Industrial Membrane Elements



This Membrane is Tested and Certified by NSF International against NSF / ANSI Standard 61 for material requirements only.

COMPONENT

HYDRON Light Commercial / Industrial Membrane Elements

with their hard shell fiberglass exterior provide outstanding performance for commercial / industrial systems. HYDRON Membranes are manufactured in a State-of-the-Art, ISO-9001-2000 certified automatic rolling facility which provides you with a precise and advanced membrane element. HYDRON Membranes not only deliver an attractive cost to benefit ratio, but also gives you a membrane that has consistently high quality and performance.

HYDRON Light Commercial / Industrial Membrane Elements

can be used in a variety of mid sized commercial/industrial applications, such as car wash, bottling, manufacturing, water stores, food processing, and many other applications where a reliable, performance membrane is needed.

BW MEMBRANE SPECIFICATIONS - COMMERCIAL / INDUSTRIAL

Model	Part Number	Applied Pressure Psi (BAR)	Average Permeated Flow GPD (m3/d)	Stable Rejection Rate (%)
4"	BW-4040	225 (15.5)	2400 (9.1)	99.5
8"	BW-8040	225 (15.5)	11500 (43.5)	99.0

HLE MEMBRANE SPECIFICATIONS - COMMERCIAL

Model	Part Number	Applied Pressure Psi (BAR)	Average Permeated Flow GPD (m3/d)	Stable Rejection Rate (%)
4"	HLE-4040	100 (6.9)	2800 (10.6)	98.0

HLP MEMBRANE SPECIFICATIONS - COMMERCIAL / INDUSTRIAL

Model	Part Number	Applied Pressure Psi (BAR)	Average Permeated Flow GPD (m3/d)	Stable Rejection Rate (%)
8"	HLP-8040	150 (10.3)	13000 (49.2)	98.0

TRITON



REVERSE
OSMOSIS
WATER PURIFICATION SYSTEM



Product Specifications

- Electrical Power Supply: 120V & 220V
- Membrane Housing: Stainless Steel 304 or FRP (optional)
- Pump: Multistage Goulds
- Solenoid valve: NC, 120V brass (BSV-34110V & BSV-10110V)
- Connectors: High Pressure Quick Connectors
- Flow Meters: Panel Mount 5 GPM/10 GPM
- Pressure Gauges: 0-100 PSI and 0-300 PSI glycerine filled
- Waste Valve & Recirculation: Stainless Steel 316, Needle Valve (NV-12SS316)
- Filter Housings: HF5-20BLBK34PR or HF45-20BLBK10PR
- Cartridge: 5 Micron Polyspun Sediment
- Safety Device:
 - Selector Switch 2 positions (OFF/AUTO)
 - Electrical Contactor: 24 Amps
 - Thermal Relay: 24 Amps
 - Low Pressure Switch: Yellow LED type (Range: 4-12Psi)
 - Power indicator light: Green LED type
- Frame: Standard Steel with powder coated finish
- RO Membranes: Hydron: High Rejection Membrane

MODEL:	ROS-IXC-1SS-T	ROS-IXC-2SS-T	ROS-IXC-3SS-T	ROS-IXC-4SS-T	ROS-IXC-6SS-T
PRODUCTION (GPD)	2,100-2,400*	4,200-4,800*	6,300-7,200*	8,400-9,600*	14,400-15,600*
MEMBRANE	4" x 40" (1)	4" x 40" (2)	4" x 40" (3)	4" x 40" (4)	4" x 40" (6)
PRODUCT (GPM)	1.45 - 1.6	2.9 - 3.2	4.3 - 4.8	5.8 - 6.4	10 - 10.8
FEED FLOW (GPM)	5	8	10	20	25
% RECOVERY	50-60 %	50-60%	50-60 %	50-60 %	50-60 %
HIGH PRESSURE PUMP	1.5 HP	1.5 HP	1.5 HP	3.0 HP	3.0 HP
INLET PORT	3/4"	3/4"	1"	1"	1"
PRODUCT OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
WASTE OUTLET PORT	1/2"	1/2"	3/4"	3/4"	1"
SYSTEM DIMENSIONS	20" x 20" x 47"	20" x 20" x 47"	25" x 20" x 47"	25" x 20" x 47"	50" x 30" x 50"
WEIGHT (LBS)	176	187	218	242	270
ELECTRICAL POWER SUPPLY	120 o 220 V	120 o 220V	120 o 220V	220	220

ROS-IXC Series

Commercial Reverse Osmosis Water Purification Systems

TRITTON IXC™ SYSTEMS are used for drinking water, food service, hotels, restaurants or manufacturing applications.

Simple operation and ease of maintenance is built into the design of each system while considering the importance of not occupying a large footprint. This allows TRITTON IXC systems to be the perfect choice for industry professionals whom require a system that is not only cost effective but can blend perfectly with the needs of their customers.

TRITTON IXC™ SYSTEM leave the production line ready to be placed into operation and require zero programming by the Technician. Simply make the necessary feed, waste and product connections turn the system on and go! The digital display on the system will give you all the information you need to see the systems operation.

ROS-IXC SERIES	
Part Number	Description
ROS-IXC-1SS-T	IXC RO System, 1SS Bent Panel, 4040 Housing, 1 Membrane Element
ROS-IXC-2SS-T	IXC RO System, 2SS Bent Panel, 4040 Housing, 2 Membrane Elements
ROS-IXC-3SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing, 3 Membrane Elements
ROS-IXC-4SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing, 4 Membrane Elements
ROS-IXC-6SS-T	IXC RO System, 3SS Bent Panel, 4040 Housing,, 6 Membrane Elements

*The system production rate is based on minimum feed water quality below 1,000 PPM, feed water temp 77 °F, and SDI < 5. Use a suitable pretreatment capable of removing all membrane damaging substances.



Control Box Features

- Time Delay
- Level Switch
- On/Off
- Fast Flush (optional)
- Water Quality (TDS Meter in PPM)

ROA-IXC PARTS	
Part Number	Description
ROA-CB-IXC	IXC RO System, Control Box, Complete



TDS Digital Display - Shows the quality of product water in TDS PPM being obtained at that time.



LOW Pressure Display - When this appears on the screen, it indicates low pressure in the system. Additionally, on the control box, a Yellow light will illuminate when there is low pressure as a visual reference



FLUSH Activation Display - When membrane flush is activated, droplets above the word FLUSH are displayed.



MAIN PUMP Activation Display - This display represents the high-pressure pump of the System is activated. When Blades are in motion it means the pump is ON. In addition, the green light on the control box will indicate that the system is in operation.



FULL TANK Display - Appears on the screen when a signal is received that the storage tank is full.



HydroScientific™

FILTRATION • SEPARATION • PURIFICATION



SGX Flex Series Cartridges

Sediment Grooved Cartridges



HYDROSCIENTIFIC™ SGX FLEX SERIES CARTRIDGES

are uniquely manufactured all polypropylene high rigidity depth filter cartridges designed to offer advanced depth filtration combined with consistent flow and performance efficiency.

HYDROSCIENTIFIC™ SGX FLEX SERIES CARTRIDGES

are free of binders, anti-static agents and surfactants. They provide consistent performance due to their unique fiber bonding technology and are NSF/ANSI Standard 42 certified. Their rigid structure will not lead to changed porosity due to increased pressure which can lead to reduced service life. The deep groove design offers increased surface area and provide a versatile alternative for a wide range of applications.

HYDROSCIENTIFIC™ SGX FLEX SERIES CARTRIDGES

comply with FDA CFR 21 guidelines and can be made in numerous lengths as one piece structure cartridges. This coupled with a wide range of end cap options makes the SGX Flex Cartridge an ideal cartridge for fluid processing.

2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Micron	O-Ring	End Cap	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SGX-25-1001-S5	2.5"x 9 7/8"	1	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
	SGX-25-1005-S5	2.5"x 9 7/8"	5	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
20"	SGX-25-2001-S5	2.5"x 20"	1	Silicone	222/Fin	20	13 x 11 x 21	16	7.26
	SGX-25-2005-S5	2.5"x 20"	5	Silicone	222/Fin	20	13 x 11 x 21	16	7.26
30"	SGX-25-3001-S5	2.5"x 30"	1	Silicone	222/Fin	20	13 x 11 x 31	23.5	10.66
	SGX-25-3005-S5	2.5"x 30"	5	Silicone	222/Fin	20	13 x 11 x 31	23.5	10.66
40"	SGX-25-4001-S5	2.5"x 40"	1	Silicone	222/Fin	20	13 x 11 x 41	31	14.06
	SGX-25-4005-S5	2.5"x 40"	5	Silicone	222/Fin	20	13 x 11 x 41	31	14.06

***WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Product Specifications

Product Applications

- Filtration of cooling water system in semi-conductor industry (PCW)
- Filtration of CMP Slurries
- Pre-filter of DI water filtration
- Filtration of medium & low viscosity fluids of chemical
- Filtration of water for manufacturing process and recycled water
- Filtration of paint in panel painting industry

Maximum Operating Pressure Drop

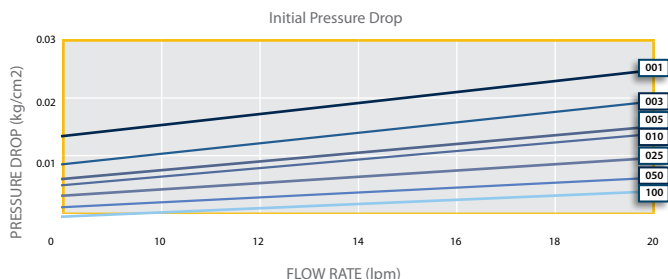
- 100 °F at 80 psi 37 °C at 5.6 kg/cm2
- 150 °F at 60 PSI 65 °C at 4.2 kg/cm2
- 180 °F at 30 PSI 82 °C at 2.1 kg/cm2

Temperature Rating

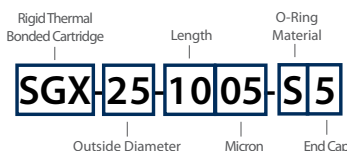
- Recommended Replaceable
- Pressure Drop: 30 PSID (2.1 kg/cm2)
- Max. Operating Temp: 180 °F (82 °C)

Suggested Equivalent

- Cuno Deltaklean Cuno Betapure
- Millipore Polygard
- Pall Profile II
- Usfilter Polypeph

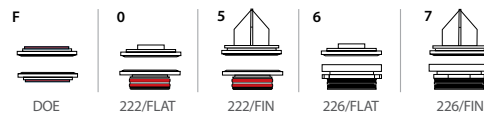


Model # Guide



LEGEND

- Outside Diameter:** 25 = 2.5" 45 = 4.5"
- Length:** 10 = 10" 195 = 9.5" 20 = 20" 2914 = 29 1/4" 30 = 30" 39 = 39" 40 = 40"
- Micron:** 0.5 = .5 Micron 1 = 1 Micron 5 = 5 Micron 10 = 10 Micron 20 = 20 Micron
- O-Ring Material:** E = EPDM (BLACK) N = Buna-N S = Silicone (RED) V = Viton
- End Cap:** No symbol = Double Open F = Double Open Cap 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE)



End cap, special lengths and diameters available.

SDX Flex Series Cartridges

Sediment Depth Cartridges



HYDROSCIENTIFIC™ SDX FLEX SERIES CARTRIDGES

are comprised of special matrix spun polypropylene layer designed to trap coarse and fine particles which increases reliability and service life over conventional cartridges. Utilizing the FlexMatrix technology, SDX Flex Series Cartridges do not utilize binders, anti-static agents or surfactants to produce an ideal surface filtration area.

HYDROSCIENTIFIC™ SDX FLEX SERIES CARTRIDGES

are produced with a precise and even matrix of polypropylene fibers which results in no foaming and are anti-static. Made with FDA approved Polypropylene, SDX Flex Series Cartridges are extremely resistant to chemicals and are safe to use in a wide range of applications. SDX Flex Series Cartridges are NSF/ANSI Certified to Standard 42 and comply with FDA CFR 21 guidelines.



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.



2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Micron	O-Ring	End Cap	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SDX-25-10-0.5-S5	2.5" x 9 7/8"	.5	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1001-S5	2.5" x 9 7/8"	1	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1005-S5	2.5" x 9 7/8"	5	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1010-S5	2.5" x 9 7/8"	10	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1020-S5	2.5" x 9 7/8"	20	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1050-S5	2.5" x 9 7/8"	50	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
20"	SDX-25-20-0.5-S5	2.5" x 20"	.5	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SDX-25-2001-S5	2.5" x 20"	1	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SDX-25-2005-S5	2.5" x 20"	5	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SDX-25-2010-S5	2.5" x 20"	10	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SDX-25-2020-S5	2.5" x 20"	20	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SDX-20-2050-S5	2.5" x 20"	50	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
30"	SDX-25-3001-S5	2.5" x 30"	1	Silicone	222/Fin	20	13 x 11 x 31	19	8.62
	SDX-25-3005-S5	2.5" x 30"	5	Silicone	222/Fin	20	13 x 11 x 31	19	8.62
	SDX-25-3010-S5	2.5" x 30"	10	Silicone	222/Fin	20	13 x 11 x 31	19	8.62
	SDX-25-3025-S5	2.5" x 30"	25	Silicone	222/Fin	20	13 x 11 x 31	19	8.62
	SDX-25-3075-S5	2.5" x 30"	75	Silicone	222/Fin	20	13 x 11 x 31	19	8.62
40"	SDX-25-4001-S5	2.5" x 40"	1	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-4005-S5	2.5" x 40"	5	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-4010-S5	2.5" x 40"	10	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-4020-S5	2.5" x 40"	20	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-4025-S5	2.5" x 40"	25	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-4050-S5	2.5" x 40"	50	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
50"	SDX-25-4075-S5	2.5" x 40"	75	Silicone	222/Fin	20	13 x 11 x 41	24	10.89
	SDX-25-5005-S5	2.5" x 50"	.5	Silicone	222/Fin	20	—	28	12.70

***WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

*19 1/2, 29 1/4 and 39" available on special order.

Product Specifications

Materials of Construction

Polypropylene

Temperature Rating

40 °F to 175 °F (4.4 °C to 79.4 °C)

Recommended Change Out

Differential Pressure 35 psi (2.4 bar)

Maximum Differential Pressure

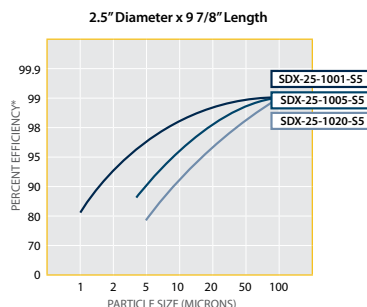
15 psid at 175 °F (1.0 bar at 80 °C)

25 psid at 140 °F (1.7 bar at 60 °C)

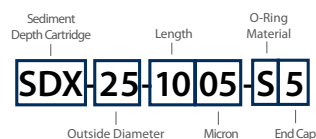
60 psid at 68 °F (4.13 bar at 20 °C)

Product Applications

- Plating
- Chemical liquid
- Electronic Industry
- Paint
- Ink
- Food and beverage
- Reverse Osmosis
- Ultra Filtration

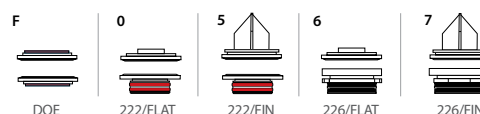


Model # Guide



LEGEND

Outside Diameter:	25 = 2.5" 45 = 4.5"	O-Ring Material:	E = EPDM (BLACK) N = Buna-N S = Silicone (RED) V = Viton
Length:	10 = 10" 195 = 9.5" 20 = 20" 2914 = 29 1/4" 30 = 30" 39 = 39" 40 = 40"	End Cap:	No symbol = Double Open F = Double Open Cap 0 = 222/Flat (SOE) 5 = 222/Fin (SOE) 6 = 226/Flat (SOE) 7 = 226/Fin (SOE)
Micron:	0.5 = .5 Micron 1 = 1 Micron 5 = 5 Micron 10 = 10 Micron		



End cap, special lengths and diameters available.

SBX Flex Series Cartridges

Sediment Bonded Depth Cartridges



HYDROSCIENTIFIC™ SBX FLEX SERIES CARTRIDGES

are specially designed thermally bonded Polypropylene filters that provide superior filtration performance for a variety of process applications. SBX Bonded Depth Cartridges utilize a durable Polypropylene center core for increased strength and structural integrity in higher temperature applications. SBX cartridges can be configured with a range of end cap configurations which best suits your fluid processing needs.

HYDROSCIENTIFIC™ SBX FLEX SERIES CARTRIDGES

have fine grooves on the outside of the filter for increased surface area and will not impart color, taste and odor on the liquid being filtered. SBC cartridges produce consistent flow rates and have no fiber release, making them ideal for food and beverage applications. SBX Flex Series Cartridges are free of surfactants, binders and anti-static agents to produce an ideal surface area. They are made with NSF/ANSI, FDA Approved polypropylene and comply with FDA CFR 21 standards beverage applications.

2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Micron	O-Ring	End Cap	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	SBX-25-1001-S5	2.5" x 9 7/8"	1	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
	SBX-25-1005-S5	2.5" x 9 7/8"	5	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
	SBX-25-1010-S5	2.5" x 9 7/8"	10	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
	SBX-25-1020-S5	2.5" x 9 7/8"	20	Silicone	222/Fin	40	13 x 11 x 21	16	7.26
19 1/2"	SDX-25-1951-S5	2.5" x 19 1/2"	1	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
	SDX-25-1955-S5	2.5" x 19 1/2"	5	Silicone	222/Fin	40	13 x 11 x 21	15	6.80
20"	SBX-25-2001-S5	2.5" x 20"	1	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SBX-25-2005-S5	2.5" x 20"	5	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SBX-25-2010-S5	2.5" x 20"	10	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SBX-25-2020-S5	2.5" x 20"	20	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
29 1/4"	SBX-25-2050-S5	2.5" x 20"	50	Silicone	222/Fin	20	13 x 11 x 21	15	6.80
	SBX-25-29141-S5	2.5" x 29 1/4"	1	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
	SBX-25-29145-S5	2.5" x 29 1/4"	5	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
	SBX-25-291410-S5	2.5" x 29 1/4"	10	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
30"	SBX-25-3001-S5	2.5" x 30"	1	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
	SBX-25-3005-S5	2.5" x 30"	5	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
	SBX-25-3010-S5	2.5" x 30"	10	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
	SBX-25-3020-S5	2.5" x 30"	20	Silicone	222/Fin	20	13 x 11 x 31	23	10.43
39"	SBX-25-3901-S5	2.5" x 39"	1	Silicone	222/Fin	20	13 x 11 x 41	29	13.15
	SBX-25-3905-S5	2.5" x 39"	5	Silicone	222/Fin	20	13 x 11 x 41	29	13.15
40"	SBX-25-4001-S5	2.5" x 40"	1	Silicone	222/Fin	20	13 x 11 x 41	31	14.06
	SBX-25-4005-S5	2.5" x 40"	5	Silicone	222/Fin	20	13 x 11 x 41	31	14.06

***WARNING:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Product Specifications

Materials of Construction

Polypropylene

Temperature Rating

40 °F to 175 °F (4.4 °C to 79.4 °C)

Recommended Change Out

Differential Pressure 35 psi (2.4 bar)

Maximum Differential Pressure

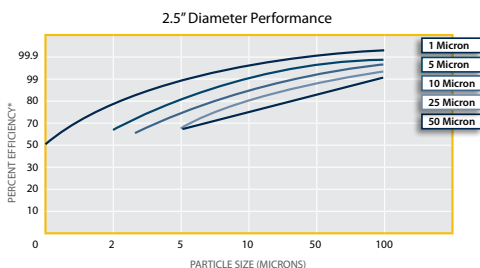
15 psid at 175 °F (1.0 bar at 80 °C)

25 psid at 140 °F (1.7 bar at 60 °C)

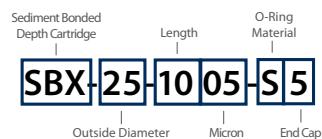
60 psid at 68 °F (4.13 bar at 20 °C)

Product Applications

- Electronic Components
- Plating
- Parts Washing
- Pulp and Paper
- Ink
- Bottled Water
- Soft Drinks
- Juice
- Oil and Gas
- Pre-RO
- Rinse Water



Model # Guide



LEGEND

Outside Diameter:

25 = 2.5"
45 = 4.5"

Length:

10 = 10"
195 = 9.5"
20 = 20"
2914 = 29 1/4"
30 = 30"
39 = 39"
40 = 40"

Micron:

0.5 = .5 Micron
1 = 1 Micron
5 = 5 Micron
10 = 10 Micron

O-Ring Material:

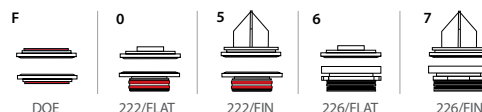
E = EPDM (BLACK)
N = Buna-N

S = Silicone (RED)

V = Viton

End Cap:

No symbol = Double Open
F = Double Open Cap
0 = 222/Flat (SOE)
5 = 222/Fin (SOE)
6 = 226/Flat (SOE)
7 = 226/Fin (SOE)



End cap, special lengths and diameters available.

Ultraviolet Sterilization *Simplified*





UVA Series Ultraviolet Sterilization Systems

POLARIS SCIENTIFIC ULTRAVIOLET SYSTEMS

have a sleek, compact design and provide cost effective ultraviolet water sterilization for low to medium flow applications. Polaris Scientific UV's are perfect for residential and light commercial reverse osmosis systems, water vending machines, food industry, laboratory, final electronic component rinsing and recirculation loops to name a few.

POLARIS SCIENTIFIC ULTRAVIOLET SYSTEMS

produce little change in water temperature even after prolonged periods of no water flow, making them ideal for many application requirements.

POLARIS SCIENTIFIC UV™ ULTRAVIOLET STERILIZATION SYSTEM SPECIFICATIONS

Part Number	GPM (LPM)	Rated Life (hrs)	Lamp Watts	Voltage at 50/60Hz	Visual Warning	Audible Warning	# of Lamps	Port Size I/O	Water Chamber	Timer	Length	Width	Max. Pressure	Working Temp.	Wavelength	Microjoules
UVA-1C	1 (3.8)	9,000	10W	110V/220V	LED	BUZZER	1	1/4" MNPT	STAINLESS 304	-	10.47"	2"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-2C	2 (7.57)	9,000	14W	110V/220V	LED	BUZZER	1	1/4" MNPT	STAINLESS 304	-	13.74"	2.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-4C	4 (15.14)	9,000	17W	110V/220V	LED	BUZZER	1	1/2" MNPT	STAINLESS 304	-	15.50"	2.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-6C	6 (22.71)	9,000	24W	110V/220V	LED	INDICATOR W/ALARM	1	1/2" MNPT	STAINLESS 304	-	23.23"	2.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-8C	8 (30.28)	9,000	32W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" MNPT	STAINLESS 304	-	27.87"	2.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-12C	12 (45.52)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" MNPT	STAINLESS 304	-	36.81"	2.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-24B	24 (90.85)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	2	1" MNPT	STAINLESS 304	✓	36.93"	3.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-36B	36 (136.27)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	3	1.5" MNPT	STAINLESS 304	✓	36.93"	5.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-50B	50 (189.27)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	4	1.5" MNPT	STAINLESS 304	✓	36.93"	5.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-60B	60 (227.12)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	5	2" or 2.5" (5.080 or 6.350 cm) FLANGE	STAINLESS 304	✓	36.93"	5.5"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-80B	80 (302.83)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	6	2" or 2.5" (5.080 or 6.350 cm) FLANGE	STAINLESS 304	✓	36.93"	6.26"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-100B	100 (378.54)	9,000	39W	110V/220V	LED	INDICATOR W/ALARM	8	2" or 2.5" (5.080 or 6.350 cm) FLANGE	STAINLESS 304	✓	36.93"	8.62"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-150B	150 (567.81)	9,000	87W	110V/220V	LED	INDICATOR W/ALARM	6	3" (7.62cm) FLANGE	STAINLESS 304	✓	36.93"	8.62"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²
UVA-200B	200 (757.08)	9,000	87W	110V/220V	LED	INDICATOR W/ALARM	8	4" (10.16 cm) FLANGE	STAINLESS 304	✓	36.93"	8.62"	125 PSI	35°F - 104°F (1.67°C - 40°C)	254 nm	30 mJ/cm²

POLARIS SCIENTIFIC UV™ HIGH OUTPUT ULTRAVIOLET STERILIZATION SYSTEM SPECIFICATIONS

Part Number	GPM (LPM)	Rated Life (Days)	Lamp Watts	Voltage at 50/60Hz	Visual Warning	Audible Warning	# of Lamps	Port Size I/O	Water Chamber	Timer	Length	Width	Max. Pressure	Working Temp.	Wavelength	Microjoules
UVA-418HO	18 (70)	365	48W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" FNPT 1" MNPT	STAINLESS 304	✓	23.23"	3.5"	125 PSI	36° - 104°F (2° - 48° C)	254 nm	30 mJ/cm²
UVA-630HO	30 (113)	365	58W	110V/220V	LED	INDICATOR W/ALARM	1	3/4" FNPT 1" MNPT	STAINLESS 304	✓	27.87"	3.5"	125 PSI	36° - 104°F (2° - 48° C)	254 nm	30 mJ/cm²
UVA-946HO	46 (175)	365	90W	110V/220V	LED	INDICATOR W/ALARM	1	1 1/2" MNPT	STAINLESS 304	✓	36.81"	3.5"	125 PSI	36° - 104°F (2° - 48° C)	254 nm	30 mJ/cm²

Product Warranty, General Conditions and Limitations

5-Year Limited Warranty for Polaris Scientific UV Chamber

Polaris Scientific Ultraviolet warrants the UV chamber on the Polaris Scientific Ultraviolet product to be free from defects in material and workmanship for a period of five (5) years from the date of purchase. During this time, we will repair or replace, at its option, any defective Polaris Scientific Ultraviolet chamber. Please return the defective part to the Polaris Scientific Ultraviolet dealer you purchased your system from, who will return it to Polaris Scientific Ultraviolet. We will either make the necessary repairs or, if it is determined that a replacement is required, we will provide a replacement part. We will then return the part to the dealer. This warranty does not include shipping and handling charges which will be collected from you by the dealer. Parts repaired or replaced under this five (5) year warranty will be covered under warranty to the end of the original five (5) year warranty period. This warranty is also subject to the conditions and limitations outlined under the heading "General Conditions and Limitations" below.

One-Year Limited Pro-Rated Warranty for Structural, Hardware and Electrical Components

Polaris Scientific Ultraviolet warrants the structural, hardware, and electrical components to be free from defects in material and workmanship for a period of one (1) year pro-rated from the date of purchase. During this time, we will repair or replace, at its option, any defective parts covered by the warranty. Defective part(s) should be returned to a Polaris Scientific Ultraviolet dealer, who will return it to Polaris Scientific Ultraviolet. We will either make the necessary repairs or, if it is determined that a replacement is required, we will provide a replacement part. We will then return the part to the dealer. This warranty does not

include shipping and handling charges which will be collected from you by the dealer. Parts repaired or replaced under this one (1) year pro-rated warranty will be covered under warranty to the end of the original one (1) year pro-rated warranty period. This warranty is also subject to the conditions and limitations outlined under the heading "General Conditions and Limitations" below.

One-Year Limited Warranty for Lamps, Sleeves and UV Sensors

Polaris Scientific Ultraviolet warrants original lamps, sleeves and UV sensors to be free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this time, we will repair or replace, at its option, any defective parts covered by the warranty. The warranty period for lamps and sleeves may be verified using date codes in addition to purchase receipts and Polaris Scientific Ultraviolet's database of serial number sales date. We will advise you whether the defective item needs to be returned to the Polaris Scientific Ultraviolet dealer you purchased the equipment from for failure analysis. Replacement lamps and sleeves provided under warranty will be sent to your Polaris Scientific Ultraviolet dealer. If the UV sensor experiences a problem which Polaris Scientific Ultraviolet confirms is covered by warranty, please return the sensor to a Polaris Scientific Ultraviolet dealer you purchased the equipment from who will return it to us. We will either repair or replace the sensor and return the sensor to your dealer. This warranty on lamps, sleeves and sensors does not include shipping and handling charges which will be collected from you by the dealer. Parts replaced under this one (1) year warranty will be covered under warranty to the end of the original one (1) year warranty period. This warranty is also subject to the conditions and limitations outlined under the heading "General Conditions and Limitations" below.

General Conditions and Limitations

None of the above warranties cover damage caused by improper use or maintenance, accidents, acts of God or minor scratches or imperfections that do not materially impair the operation of the product. The warranties also do not cover products that are not installed as outlined in the applicable Owner's Manual. Polaris Scientific Ultraviolet System warranty will be deemed null and void if any of the product labels are removed, including the pressure sensitive hologram serial number. The limited warranties described above are the only warranties applicable to the Polaris Scientific Ultraviolet products listed in the "Specific Warranty Coverage" section. These limited warranties outline the exclusive remedy for all claims based on a failure of or defect in any of these products, whether the claim is based on contract, tort (including negligence), strict liability or otherwise. These warranties are in lieu of all other warranties whether written, oral, implied or statutory. Without limitation, no warranty of merchantability or of fitness for a particular purpose shall apply to any of these products. Polaris Scientific Ultraviolet does not assume any liability for personal injury or property damage caused by the use or misuse of any of the above products. Polaris Scientific Ultraviolet shall not in any event be liable for special, incidental, indirect or consequential damages. Polaris Scientific Ultraviolet's liability shall, in all instances, be limited to repair or replacement of the defective product or part and this liability will terminate upon expiration of the applicable warranty period.

For complete product warranty, conditions and limitations, please refer to the Polaris Scientific UV catalog.

UVA Series

Ultraviolet Sterilization Systems



UVA-1C
UV 1GPM, 10W, 110V / 220V, SUS 304
Clip Mount 1/4" MNPT



UVA-2C
UV 2GPM, 14W, 110V / 220V, SUS 304
Clip Mount 1/4" or 1/2" MNPT



UVA-4C
UV 4GPM, 17W, SUS 304
Clip Mount 1/2" MNPT



UVA-6C
UV 6 GPM, 32W, 110V/220v, SUS 304
Clip Mount 1/2" MNPT



UVA-8C
UV 8 GPM, 32W, 110V/220v, SUS 304
Clip Mount 3/4" MNPT



UVA-12C
UV 12 GPM, 39W, 110V/220v, SUS 304
Clip Mount 3/4" MNPT



UVA-24B
UV 24 GPM, 39W X 2, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-36B
UV 36 GPM, 39W X 3, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-50B
UV 50 GPM, 39W X 4, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-60B
UV 60 GPM, 39W X 5, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-80B
UV 80 GPM, 39W X 6, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-100B
UV 100 GPM, 39W X 8, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-150B
UV 150 GPM, 87W X 6, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-200B
UV 200 GPM, 87W X 8, 110V/220v, SUS 304
Cabinet Base W/ Timer



UVA-418HO
UV 14-18 GPM, 48W X 1, 110V/220v, SUS 304



UVA-630HO
UV 22-30 GPM, 58W X 1, 110V/220v, SUS 304



UVA-946HO
UV 35-46 GPM, 90W X 1, 110V/220v, SUS 304

Features & Benefits

System Characteristics


- Validated UV lamps 9000 hours rated life.
- Micro-organisms inactivated within seconds, no harmful chemicals or by-products.
- Compact units require minimum space.
- Simple installation and maintenance.
- Audible ballast with LED lamp out indicator.
- High output, low pressure Mercury vapor lamps with high isolation pin design.
- Compact design with 304 or 316 Stainless Steel reactor chamber, polished for laboratory and medical use.
- Easy servicing, no need to turn off water flow to change UV lamp.
- Open-end quartz sleeve and stainless steel gland nuts.
- Operating temperature and sealing efficiency.
- A natural quartz sleeve to protect the lamp and allow the maximum amount of UV rays to penetrate and disinfect the water.




**United States Patent: D751506 | Taiwan Patent: M 503904,
China Patent: ZL 2015 2 0160464.9 | Mexico Patent: 49882**

Polaris Scientific UV and the Polaris Scientific UV logo design are registered Trademarks in the United States and certain other countries.


The Polaris Scientific UV Germicidal Lamp Pin Design is patented under United States Patent Number: D751506, Taiwan Patent Number: M 503904, China Patent Number: ZL 2015 2 0160464.9, Mexico Patent Number: 49882, and is protected by U.S. Patent and International Trademark laws.




UV-NUT-1
Aluminum Long Nut
for Wire Connection
for Models UVA-1C – UVA-200B



UV-NUT-2
Aluminum Short Nut
with End Plug
for Models UVA-6C – UVA-200B




UV-32SPRING
Stainless Steel Spring
for Model
UVA-8C




UV-39SPRING
Stainless Steel Spring
for Models
UVA-12C – UVA-200B




UV-TIMER
Counter/Timer
for Models UVA-24B – UVA-200B




UV-SEAL
Seal for Sleeve and Nut
for Models
UVA-1C – UVA-200B




UV-WASHER
Washer for Sleeve and Nut
for Models
UVA-1C – UVA-200B




UV-PLUG
Plastic Plug for Nuts
for Models
UVA-6C – UVA-200B




BEB-1024
Ballast for
10W-17W 110V/220V
for Models UVA-1C – UVA-4C




BEB-2439
Ballast for
24W-39W 110V/220V
for Models UVA-6C – UVA-12C




ZEB-2439
Ballast no cup expose wires
for 24W-39W 110V/220V
for Models UVA-24B – UVA-100B



ZEB-55155
Ballast for
87W 110V/220V
for Models UVA-150B – UVA-200B



HOB-4890
Ballast for
48W-90W 110V/220V
for Models UVA-418/630/946HO



CLP-35UV
Aluminum chamber
clip kit 3.5"
for Models UVA-418/630/946HO

GL10PP
10W, 212mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Models UVA-1C

GL14PP
14W, 287mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Models UVA-2C

GL24PP
24W, 436mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Model UVA-6C

GL32PP
32W, 645mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Model UVA-8C

GL39PP
39W, 843mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Models UVA-12C – UVA-100B

U.S. Patent Number: D751506

GL87PP
87W, 843mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Models UVA-150B – UVA-200B

GLHO48PP
48W, 436mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Model UVA-418HO

GLHO58PP
58W, 645mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Model UVA-630HO

GLHO90PP
90W, 846mm, Germicidal Lamp
Single End Patented 4 Pin, 254nm
for Model UVA-946HO

QS10
Quartz Sleeve, 245mm
for 10W UV Lamp
for Model UVA-1C

QS14
Quartz Sleeve, 331mm
for 14W UV Lamp
for Model UVA-2C

QS24
Quartz Sleeve, 535mm
for 24W UV Lamp
for Model UVA-6C

QS32
Quartz Sleeve, 665mm
for 32W UV Lamp
for Model UVA-8C

QS39
Quartz Sleeve, 890mm
for 39W UV Lamp
for Models UVA-12C – UVA-200B

QS48HO
Quartz Sleeve, 535mm
for 48W UV Lamp
for Model UVA-418HO

QS58HO
Quartz Sleeve, 665mm
for 58W UV Lamp
for Model UVA-630HO

QS90HO
Quartz Sleeve, 890mm
for 90W UV Lamp
for Model UVA-946HO

POLARIS SCIENTIFIC UV™ ULTRAVIOLET STERILIZATION SYSTEM ACCESSORIES										
Part Number	Lamp	Quartz Sleeve	Electronic Ballast	Additional Accessories Specific to Your UV System						
UVA-1 C	GL10PP	QS10	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-	
UVA-2C	GL14PP	QS14	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-	
UVA-4C	GL17PP	QS17	BEB-1024	UV-NUT-1	-	-	UV-SEAL	UV-WASHER	-	
UVA-6C	GL24PP	QS24	BEB-2439	UV-NUT-1/UV-NUT-2	-	-	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-8C	GL32PP	QS32	BEB-2439	UV-NUT-1/UV-NUT-2	UV-32 SPRING	-	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-12C	GL39PP	QS39	BEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	-	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-24B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-36B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-50B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-60B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-80B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-100B	GL39PP	QS39	ZEB-2439	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-150B	GL87PP	QS39	ZEB-55155	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	
UVA-200B	GL87PP	QS39	ZEB-55155	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-TIMER	UV-SEAL	UV-WASHER	UV-PLUG	

POLARIS SCIENTIFIC UV™ HIGH OUTPUT ULTRAVIOLET STERILIZATION SYSTEM ACCESSORIES										
Part Number	Lamp	Quartz Sleeve	Electronic Ballast	Additional Accessories Specific to Your UV System						
UVA-418HO	GLHO48PP	QS48HO	HOB-4890	UV-NUT-1/UV-NUT-2	-	UV-SEAL	UV-WASHER	UV-PLUG	CLP-35UV	
UVA-630HO	GLHO58PP	QS58HO	HOB-4890	UV-NUT-1/UV-NUT-2	UV-32 SPRING	UV-SEAL	UV-WASHER	UV-PLUG	CLP-35UV	
UVA-946HO	GLHO90PP	QS90HO	HOB-4890	UV-NUT-1/UV-NUT-2	UV-39 SPRING	UV-SEAL	UV-WASHER	UV-PLUG	CLP-35UV	

Water Quality

Water quality plays a major role in the transmission of germicidal ultraviolet rays. It is recommended that the water does not exceed the following maximum concentration levels.

Maximum Concentration Levels	
Iron	< 0.3 ppm (0.3 mg/L)
Hardness	< 7 ppm (120 mg/L)
Turbidity	< 1 NTU
Manganese	< 0.05 ppm (0.05 mg/L)
Tannins	< 0.1 ppm (0.1 mg/L)
UV Transmittance	> 75%

Effectively treating water with higher concentration levels than listed above can be accomplished, but may require added measures to improve water quality to treatable levels.

UV Dose

The units generate a UV dosage of at least 30,000 microwatt-seconds per square centimeter ($\mu\text{W-s/cm}^2$), even at the end-of-lamp life (EOL), which is more than sufficient to destroy most waterborne microorganisms, such as bacteria, yeasts, algae, etc.

UV disinfection is affected by many factors and the following should be looked at prior to the installation of the UV system; UV Transmission (transmittance) deals with the effectiveness in which the 2537 Angstrom units (254 nanometers) wavelength of the ultraviolet light is transmitted through the water. The higher the transparency of the water, the more effective the UV system becomes. This optical clarity is evaluated by performing a test which passes through a 1 cm depth. The basic design of the units has taken into account

a typical transmission at the desired wavelength. In practical terms this means that a system designed to flow at 24 gallons per minute, at a typical transmissibility could actually have a higher flow rate in liquids with a higher transmissibility. As a general guideline, the following are some typical UV transmission rates (UVT):

UV Transmission Rates	
City Water Supplies	85-98%
Deionized/RO Water	95-98%
Surface Waters (lakes, rivers, etc.)	70-90%
Ground Water (wells)	90-95%
Other Liquids	1-99 %

Limited 5 year warranty on Stainless Steel housing

HF hydrofitTM
Quick Connect Fittings



All materials in contact with food and drinking water are in compliance with the United States Food and Drug Administration



Certified to NSF/ANSI standard 61



USDA NSF H1
Connect fittings conforms to USDA NSF H1 recommendations



HDF-MC
Male Connector



HDF-FC
Female Connector



HDF-UC
Union Connector



HDF-BU
Bulkhead Union



HDF-BF
Brass Fitting



HDF-FE
Fixed Elbow



HDF-UE
Union Elbow



HDF-ICV
Inline Check Valve



HDF-EC
Elbow Check Valve



HDF-MBT
Male Branch Tee



HDF-SBT
Stem Branch Tee



HDF-UT
Union Tee



HDF-SRT
Stem Run Tee



HDF-MRT
Male Run Tee



HDF-TW
Two-Way Divider



HDF-MSA
Male Stem Adapter



HDF-FF
Faucet Fittings



HDF-SC
Stem Connector



HDF-PE
Plug In Elbow



WNV
Feed Water Adapter



HDF-BVM
Male Ball Valve



HDF-BVI
Inline Ball Valve



HDF-BVT
Tank Ball Valve



HDF-ASVA
Angle Stop Valve



HDF-PG
Plug



HDF-CT
Collet - White



HDF-LC
Locking Clip



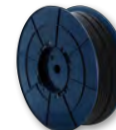
HDF-ORING
O-ring



HDF-TC
Tube Cutter



HDF-PT04 & PT06
500 ft - 1/4" & 3/8" Polyethylene Tube



HDF-PT08
250 ft - 1/2" Polyethylene Tube



Certified to NSF /ANSI Standard 61



Independently tested to NSF /ANSI Standard 58 Testing Criteria

Static - 3x Rated Pressure or 300 PSI minimum
Burst - 4x Rated Pressure or 400 PSI minimum
Cyclic - 100,000 cycles at 150 PSI



All materials in contact with food and drinking water are in compliance with the United States Food and Drug Administration



Certified to NSF/ANSI standard 61



USDA NSF H1
The grease used in Hydrofit Quick Connect fittings conforms to USDA NSF H1 recommendations

HDF Series

Quick Connect Fittings



HYDROFIT™ - Quick Connect Fittings are designed to provide all the typical benefits and ease of use of a quick connect fitting while providing an user friendly ergonomically pleasing design.

HYDROFIT™ - Quick Connect Fittings are designed to meet strict market requirements and are manufactured under precise tolerance levels, making them suitable for food and water use.

HYDROFIT™ - Quick Connect Fittings are manufactured using FDA approved materials and are certified by NSF to NSF/ANSI standards 61.

HDF-MC | MALE CONNECTOR SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-MC0402	1/4" Tube x 1/8" NPTF Male Connector	10	500
HDF-MC0404	1/4" Tube x 1/4" NPTF Male Connector	10	400
HDF-MC0406	1/4" Tube x 3/8" NPTF Male Connector	10	400
HDF-MC0604	3/8" Tube x 1/4" NPTF Male Connector	10	300
HDF-MC0606	3/8" Tube x 3/8" NPTF Male Connector	10	250
HDF-MC0608	3/8" Tube x 1/2" NPTF Male Connector	10	250
HDF-MC0806	1/2" Tube x 3/8" NPTF Male Connector	10	200
HDF-MC0808	1/2" Tube x 1/2" NPTF Male Connector	10	200

HDF-FC | FEMALE CONNECTOR SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-FC0404	1/4" Tube x 1/4" NPT Female Connector	10	350

HDF-UC | UNION CONNECTOR SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-UC04	1/4" Tube x 1/4" Tube Union Connector	10	400
HDF-UC06	3/8" Tube x 3/8" Tube Union Connector	10	300
HDF-UC0604	3/8" Tube x 1/4" Tube Reducing Union	10	300

HDF-BU | BULKHEAD UNION SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-BU04	1/4" Tube x 1/4" Tube Bulkhead Union	10	300
HDF-BU06	3/8" Tube x 3/8" Tube Bulkhead Union	10	180
HDF-BU0604	3/8" Tube x 1/4" Tube Bulkhead Union	10	180

HDF-BF | BRASS FITTING SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-BF0404	1/4" Tube x 1/4" Tube Flare Female Connector	10	150
HDF-BF0604	3/8" Tube x 1/4" Tube Flare Female Connector	10	150
HDF-BF0606	3/8" Tube x 3/8" Tube Flare Female Connector	10	100
HDF-BF0412	1/4" Tube x 3/4" Female National Hose Connector	10	100

HDF-FE | FIXED ELBOW SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-FE0402	1/4" Tube x 1/8" NPTF Fixed Elbow	10	500
HDF-FE0404	1/4" Tube x 1/4" NPTF Fixed Elbow	10	400
HDF-FE0406	1/4" Tube x 3/8" NPTF Fixed Elbow	10	300
HDF-FE0604	3/8" Tube x 1/4" NPTF Fixed Elbow	10	300
HDF-FE0606	3/8" Tube x 3/8" NPTF Fixed Elbow	10	250
HDF-FE0608	3/8" Tube x 1/2" NPTF Fixed Elbow	10	250
HDF-FE0808	1/2" Tube x 1/2" NPTF Fixed Elbow	10	150

HDF-UE | UNION ELBOW SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-UE04	1/4" Tube x 1/4" Tube Union Elbow	10	400
HDF-UE06	3/8" Tube x 3/8" Tube Union Elbow	10	250
HDF-UE0604	3/8" Tube x 1/4" Tube Union Elbow	10	250

HDF-ICV | INLINE CHECK VALVE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-ICV04	1/4" Tube x 1/4" Tube Inline Check Valve	10	300
HDF-ICV06	3/8" Tube x 3/8" Tube Inline Check Valve	10	150

HDF-ECV | ELBOW CHECK VALVE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-ECV0402	1/4" Tube x 1/8" NPTF Elbow Check Valve	10	500

HDF-MBT | MALE BRANCH TEE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-MBT0404	1/4" Tube x 1/4" NPTF x 1/4" Tube Male Branch Tee	10	300
HDF-MBT0606	3/8" Tube x 3/8" NPTF x 3/8" Tube Male Branch Tee	10	200

HDF-SBT | STEM BRANCH TEE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-SBT0404	1/4" Tube x 1/4" Stem x 1/4" Tube Stem Branch Tee	10	300
HDF-SBT0606	3/8" Tube x 3/8" Stem x 3/8" Tube Stem Branch Tee	10	150

HDF-UT | UNION TEE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-UT04	1/4" Tube x 1/4" Tube x 1/4" Tube Union Tee	10	300
HDF-UT06	3/8" Tube x 3/8" Tube x 3/8" Tube Union Tee	10	150
HDF-UT0406	1/4" Tube x 1/4" Tube x 3/8" Tube Union Tee	10	150
HDF-UT0604	3/8" Tube x 3/8" Tube x 1/4" Tube Union Tee	10	150

HDF-SRT | STEM RUN TEE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-SRT0404	1/4" Tube x 1/4" Tube x 1/4" Stem Run Tee	10	300
HDF-SRT0606	3/8" Tube x 3/8" Tube x 3/8" Stem Run Tee	10	200

HDF-MRT | MALE RUN TEE SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-MRT0404	1/4" Tube x 1/4" Tube x 1/4" NPTF Male Run Tee	10	300
HDF-MRT060404	3/8" Tube x 1/4" Tube x 1/4" NPTF Male Run Tee	10	200
HDF-MRT060604	3/8" Tube x 3/8" Tube x 1/4" NPTF Male Run Tee	10	200

HDF-TW | TWO-WAY DIVIDER SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-TW04	1/4" Tube x 1/4" Tube x 1/4" Tube Two Way Divider	10	300
HDF-TW06	3/8" Tube x 3/8" Tube x 3/8" Tube Two Way Divider	10	120

HDF-MSA | MALE STEM ADAPTER SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-MSA0404	1/4" Stem x 1/4" Male NPTF Male Stem Adapter	10	500
HDF-MSA0604	3/8" Stem x 1/4" Male NPTF Male Stem Adapter	10	400
HDF-MSA0606	3/8" Stem x 3/8" Male NPTF Male Stem Adapter	10	300

HDF-FF | FAUCET FITTINGS SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-FF04	1/4" Tube x 7/16" -24 UNS Faucet Fitting	10	300
HDF-FF06	3/8" Tube x 7/16" -24 UNS Faucet Fitting	10	300

HDF-SC | STEM CONNECTOR SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-SC0604	3/8" Stem x 1/4" Tube Stem Connector	10	300

HDF-PE | PLUG IN ELBOW SPECIFICATIONS

Part Number	Description	Bag	Box
HDF-PE0404	1/4" Stem x 1/4" Tube Plug In Elbow	10	500
HDF-PE0406	1/4" Stem x 3/8" Tube Plug In Elbow	10	300
HDF-PE0604	3/8" Stem x 1/4" Tube Plug In Elbow	10	300
HDF-PE0606	3/8" Stem x 3/8" Tube Plug In Elbow	10	300

HDF-WNV | FEED WATER ADAPTOR SPECIFICATIONS

Part Number	Description	Bag
WNV-3	1/2" FNPT x 1/2" NPT x 1/4" Tube Feed Water Adaptor	100
WNV-4	1/2" FNPT x 1/2" NPT x 3/8" Tube Feed Water Adaptor	10

HDF-BVM MALE BALL VALVES SPECIFICATIONS			
Part Number	Description	Bag	Box
HDF-BVM0404	1/4" Tube x 1/4" Male NPT Ball Valve	10	150
HDF-BVM0606	3/8" Tube x 3/8" Male NPT Ball Valve	10	100

HDF-BVI INLINE BALL VALVES SPECIFICATIONS			
Part Number	Description	Bag	Box
HDF-BVI04	1/4" Tube x 1/4" Tube Inline Ball Valve	10	150
HDF-BVI06	3/8" Tube x 3/8" Tube Inline Ball Valve	10	100
HDF-BVI0604	3/8" Tube x 1/4" Tube Inline Ball Valve	10	100

HDF-BVT TANK BALL VALVES SPECIFICATIONS			
Part Number	Description	Bag	Box
HDF-BVT0404	1/4" Tube x 1/4" Female NPT Tank Ball Valve	10	120
HDF-BVT0604	3/8" Tube x 1/4" Female NPT Tank Ball Valve	10	100

HDF-ASVA ANGLE STOP VALVE ADAPTOR			
Part Number	Description	Bag	Box
HDF-ASVA-14	3/8" Thread x 1/4" Tube (with 1/2" adaptor)	10	200
HDF-ASVA-38	3/8" Thread x 3/8" Tube (with 1/2" adaptor)	10	200

HDF-PG PLUG SPECIFICATIONS			
Part Number	Description	Bag	Box
HDF-PG04WH	1/4" Plug White	10	1000

HDF-CT COLLET SPECIFICATIONS		
Part Number	Description	Bag
HDF-CT04	1/4" Collet White	300
HDF-CT06	3/8" Collet White	300

HDF-LC LOCKING CLIP SPECIFICATIONS		
Part Number	Description	Bag
HDF-LC04R	1/4" Locking Clip Red	1000
HDF-LC06R	3/8" Locking Clip Red	1000

HDF-ORING O-RING SPECIFICATIONS		
Part Number	Description	Bag
HDF-04ORING	1/4" O-Ring	1000
HDF-06ORING	3/8" O-Ring	1000
HDF-08ORING	1/2" O-Ring	1000

HDF-TC TUBE CUTTER SPECIFICATIONS		
Part Number	Description	Box
HDF-TC	Tube Cutter	200

PT04 1/4" TUBING (500 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
PT04-BK-0500	1/4" Polyethylene Tube - Black	2
PT04-BL-0500	1/4" Polyethylene Tube - Blue	2
PT04-GN-0500	1/4" Polyethylene Tube - Green	2
PT04-NA-0500	1/4" Polyethylene Tube - Natural	2
PT04-OG-0500	1/4" Polyethylene Tube - Orange	2
PT04-RD-0500	1/4" Polyethylene Tube - Red	2
PT04-WH-0500	1/4" Polyethylene Tube - White	2
PT04-YL-0500	1/4" Polyethylene Tube - Yellow	2

PT06 3/8" TUBING (500 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
PT06-BK-0500	3/8" Polyethylene Tube - Black	1
PT06-BL-0500	3/8" Polyethylene Tube - Blue	1
PT06-NA-0500	3/8" Polyethylene Tube - Natural	1
PT06-RD-0500	3/8" Polyethylene Tube - Red	1
PT06-WH-0500	3/8" Polyethylene Tube - White	1

PT08 1/2" TUBING (250 FT ROLLS) SPECIFICATIONS		
Part Number	Description	Box
PT08-BK-0250	1/2" Polyethylene Tube - Black	1
PT08-BL-0250	1/2" Polyethylene Tube - Blue	1
PT08-NA-0250	1/2" Polyethylene Tube - Natural	1
PT08-WH-0250	1/2" Polyethylene Tube - White	1

Product Specifications

Materials of Construction

Body FDA	POM (Polyacetal, Polyoxymethylene)
O-Ring	Nitrile (NBR)
Collet	Polyoxymethylene & SS Teeth

Fittings Working Pressure & Temperature Range

Maximum	150 PSI (10 bar) @ 70 °F (20 °C)
Maximum	60 PSI (4 bar) @ 140 °F (60 °C)
Minimum	33 °F (1 °C)

CHEMICAL COMPATIBILITY: HYDROFIT™ - Quick Connect Fittings can be used on liquids other than potable water. We recommend that you consult with our Chemical Compatibility Chart to determine if they can be utilized under your specifications. You may also contact us to further verify compatibility.

Tubing Working Pressure & Temperature Range

1/4" & 3/8"	-	230 PSI @ 70 °F (15 BAR @ 20 °C)
Maximum		120 PSI @ 150 °F (8 BAR @ 65 °C)
1/2"	-	150 PSI @ 70 °F (10 BAR @ 20 °C)
Maximum		90 PSI @ 150 °F (6 BAR @ 65 °C)

Tubing Diameters

Outside Diameter	Inside Diameter
1/4"	0.160"
3/8"	0.250"
1/2"	0.37"

Maximum Torque Values

Threads	Max. Diameter
1/4"	1.0 ft/lb (1.5 Nm)
3/8"	2.2 ft/lb (3.0 Nm)
1/2"	2.2 ft/lb (3.0 Nm)

Product Technical Specifications

Potable Water Applications

HYDROFIT™ Tubing is suitable for potable water applications with a maximum chlorine content of 4ppm (parts per million). Water heated above 70°F (20°C) and/or pressure above the rated maximum pressures will significantly reduce the service life. Avoid direct exposure to sunlight. Direct exposure to sunlight will also reduce its service life and may lead to failure. It is commonly known and good practice to inspect tubing and fittings regularly. Should there be evidence of damage, color change, cracking or hardening, fittings and tubing should be replaced immediately. All fitting and tubing should not be used near heat emitting appliances. Note: Hot and Cold water plumbing systems MUST comply with local plumbing code for pipe and fittings. Frequent visual inspections are advisable. Frequency should be predicated on the severity of the application, risk of failure or when failure could result in unacceptable downtime, damage or injury risk. Keep away from contact with ANY chemicals or aggressive liquids.

Food Quality

HYDROFIT™ Fittings and Tubing are produced with Food and Drug Administration (FDA CFR 21 177.2470 and 177.2600) approved material and can be used in food quality applications.

Side Loads

HYDROFIT™ Fittings Should not be exposed to excessive side loads. They should not be used to support brackets or other components and extreme caution should be taken during shipping and transportation to prevent undue stress and excessive side loading.

Suitability

It is the customers responsibility to gauge and ensure that HYDROFIT™ Fittings and Tubing are suitable for their specific application and variable parameters.

All HYDROFIT™ Fittings and Tubing should be installed in accordance to the recommended guidelines and specifications.

Responsibility of Use

While HYDROFIT™ gives a warranty against defects in manufacture and materials, it is the responsibility of the user/installer to ensure that all fittings and tubing are suitable for their application. The installation must be carried out correctly and comply with recognized codes and national standards. All connections must be properly maintained. Please refer to Terms and Conditions.

Installation and System Testing

Fittings and tubing installations should be pressure tested and each connection inspected by pushing and pulling on the connection points prior to handing over to final user.

For Terms & Conditions refer to Appendix | iv

Terms & Conditions

Terms and Conditions

The products described in this document are hereby offered for sale to be established by Hydrofit Quick Connect Fittings, Polaris Scientific Ultraviolet, Hydron Membranes, Aquatrol, Shok Blok, HydroGuard, Hydronix Water Technology, any of its subsidiaries and its authorized distributors. This offer and its acceptance by any customer (the "Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any item described in this document, when communicated to Hydrofit Quick Connect Fittings, Polaris Scientific Ultraviolet, Hydron Membranes, Aquatrol, Shok Blok, HydroGuard, Hydronix Water Technology, its subsidiaries or an authorized distributor (the "Seller") verbally or in writing, shall constitute acceptance of this offer. Provided, however, that these terms and conditions shall not operate as a rejection of the Buyer's offer unless such offer contains variances in the description, quantity, price, or delivery schedule of the items.

1. Terms and Conditions of Sale.

All descriptions, quotations, proposals, offers, acknowledgments, acceptances and sales of the Seller's products are subject to and shall be governed exclusively by the terms and conditions stated herein (the "Agreement"). The Buyer's acceptance of any offer to sell is limited to the terms and conditions in the Agreement. Any terms or conditions in addition to or inconsistent with those stated in the Agreement, proposed by the Buyer in any acceptance of an offer by the Seller, are hereby rejected. No such additional, different or inconsistent terms and conditions shall become part of the agreement between the Buyer and the Seller unless expressly accepted in writing by the Seller. The Seller's acceptance of any offer to purchase by the Buyer is expressly conditioned upon the Buyer's assent to all the terms and conditions in this Agreement, irrespective of any terms in addition to, or inconsistent with those contained in the Buyer's offer. Acceptance of the Seller's products shall in all events constitute such assent.

2. Documents.

Unless provided otherwise in the Agreement, all catalog descriptions, illustrations, drawings and literature or independently submitted estimates of performance, weights and measurements or other specifications provided by the Seller are mere approximations and the Seller reserves the right to alter or amend them at any time. The Seller reserves the right to correct clerical or technical errors in the contract documents. The Buyer shall furnish with his order all necessary specifications and information. The Seller takes no responsibility for goods manufactured, priced or delivered not in accordance with the order or the specifications unless the Buyer's order and specifications are clear and correct.

3. Prices.

Unless otherwise provided, all prices contained in our quotations and written acceptances are ex-works and do not include the cost of packing. All orders are accepted on the condition that all such prices are subject to revision by the Seller at any time before the goods are dispatched to take account of any price change. In the event that the Buyer does not place the entire order quoted by the Seller for the Buyer, the Seller reserves the right to revise its prices. The Seller also reserves the right to revise its prices if the Buyer modifies the specification or quantity of the goods or the delivery requirements after the order has been accepted by the Seller.

4. Advice.

All advice given in connection with the Seller's goods is provided without charge to the Buyer. ANY ADVICE AND ASSISTANCE GIVEN BY THE SELLER TO THE BUYER IS GIVEN AT THE BUYER'S RISK, AND THE SELLER SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR CLAIM ARISING THEREFROM.

5. Payment.

(a) Unless otherwise provided in the Agreement, or explicitly agreed upon in writing by the Seller, payment is due in full 30 days from date of shipment of the items purchased herein under. (b) In the case of an installment contract, deliveries or parts, payment for each installment delivery or part shall be made under sub-clause (a) as if the same constituted a separate agreement. (c) Amounts not timely paid shall bear interest at the rate of 2-1/2% above the Seller's bank's prime rate from time to time in force. (d) In the event that the Buyer fails within one calendar month of the date for payment to effect any payment which may be due under the Agreement or any agreement with the Seller, or if the Buyer commits any breach of the Agreement, or if the Buyer becomes insolvent or commits any act of bankruptcy or contemplation of liquidation, the Seller will be entitled, without prejudice to the Seller's other rights, to terminate the Agreement or any unfulfilled part thereof, or at the Seller's option to make partial deliveries.

6. Modifications and Cancellations.

This Agreement is not subject to oral modification or cancellation. A Buyer's request for modification or cancellation will not be incorporated into the Agreement unless the request is accepted by the Seller in a writing that amends the Agreement. Acceptance of any such requested modification or cancellation shall be at the Seller's discretion and shall be upon such terms and conditions as the Seller may require.

7. Handling Charge.

Goods supplied in accordance with the Buyer's order may later be returned to the Seller at the Seller's discretion provided the return is pre-authorized in writing, and the merchandise is unused, in original packages, unaltered, clean and no older than 60 days from the date of shipment by the Seller. The Buyer will be required to pay to the Seller a handling charge of 25% of the purchase price of the returned goods. A copy of the original invoice for the merchandise must accompany all returns.

8. Delivery.

(a) Any delivery dates quoted are approximate only and the Seller shall have no liability for any delays in delivery. (b) Unless provided otherwise, delivery of the goods shall be made when the Seller has notified the Buyer that the goods are ready for dispatch. Regardless of the method of delivery, delivery shall be made F.O.B. Seller's plant, where the risk of loss shall thereupon pass to the Buyer upon the Seller's delivery to a carrier. Notwithstanding that the Seller's prices are ex-works, the Seller is prepared by special contract to procure carriage or freight and insurance on behalf of the Buyer and at Buyer's cost in which event the Seller shall be under no liability for damage in transit or loss or damage to the goods beyond the point at which the Seller contracts to deliver the same. (c) The Seller will not make drop shipments.

9. Inspection and Rejection.

(a) The following provisions shall apply in relation to all deliveries of goods: the Seller shall not be held liable for any claims of damage in transit, shortage of delivery or loss of goods, unless in the case of shortage of delivery, a separate notice in writing is given to the carrier concerned and to the Seller within three (3) days of the receipt of the goods, followed by a complete claim in writing within five (5) days of receipt of the goods and in the case of loss of goods, a separate notice in writing is given to the carrier concerned and to the Seller and a complete claim in writing made within thirty (30) days of the date of consignment. The Buyer must inspect the goods on arrival from the carrier; however, where goods are accepted from the carrier concerned without being inspected, the delivery book of the carrier concerned must be signed "not examined". The Seller shall have the right to inspect the goods at the Buyer's premises in respect to any such claims made by the Buyer and the Seller shall retain such goods until the Seller has inspected such goods or until the Seller has notified the Buyer that the Seller does not wish to inspect such goods. Any breach of these conditions in this provision shall serve as a waiver to any claim brought by the buyer. (b) Without prejudice to the Seller's other rights, should the Buyer fail for any reason to send the Seller forwarding instructions within ninety (90) days after the date of the Seller's notification that the goods are ready for dispatch or to accept delivery of the goods, the Seller shall be entitled at the Buyer's risk and expense to store the goods and/or to procure or effect storage of the goods elsewhere. Goods so stored shall be paid for as if they had been dispatched and/or accepted.

10. Special Tooling.

Where it is necessary for the Seller to manufacture or to purchase special tooling, including without limitation tools, dies, jigs, mandrills, fixtures, molds, and patterns, in order to execute a contract, the Buyer will be charged with all or a proportion of the cost of such special tools. Such special tooling shall be and remain the Seller's property notwithstanding payment of any charges made by the Buyer. In no event will the Buyer acquire any interest in apparatus belonging to the Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adopted for such manufacture and notwithstanding any charges paid by the Buyer therefor. Unless otherwise agreed, the Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

11. Test and Performance.

(a) The Seller's goods are, where practicable, submitted to the Seller's standard test before delivery. If special tests are required, these shall be made at the Seller's premises unless otherwise agreed, and will be subject to an extra charge. (b) The Seller accepts no liability for failure to attain any performance figures quoted by the Seller unless the Seller specifically has guaranteed them with an agreed sum as liquidation damages and the Buyer has suffered actual loss by reason of the failure to attain the figures quoted. (c) Any particulars of weights and measurements, power and consumption, power output or performance relating to the goods and like matters furnished by the Seller to the Buyer in the Seller's catalogs, literature or otherwise, are approximate and are intended only to present a general idea of the goods to be supplied and unless previously agreed specifically in writing shall not form part of the Agreement.

12. Buyer's Property.

Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished to the Seller by the Buyer, or any other items which become the Buyer's property, may be considered obsolete and may be destroyed by the Seller after two (2) consecutive years have elapsed without the Buyer placing an order for the items which are manufactured using such property. The Seller shall not be responsible for any loss or damage to such property while it is in the Seller's possession or control.

13. Taxes.

Unless otherwise indicated, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by the Seller, or if the Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the item sold. The Buyer agrees to pay all such taxes or to reimburse the Seller therefor upon receipt of its invoice. If the Buyer claims exemption from any sales, use or other tax imposed

by any taxing authority, the Buyer shall promptly indemnify and hold the Seller harmless from and against any such tax, as well as any interest or penalties thereon which may be assessed if the items are held to be taxable.

14. Warranty.

EXCEPT AS EXPRESSLY WARRANTED IN WRITING BY THE SELLER, THE GOODS SOLD BY THE SELLER ARE PURCHASED BY THE BUYER "AS IS." THE SELLER DOES NOT WARRANT THAT THE GOODS ARE OF MERCHANTABILITY QUALITY OR THAT THEY CAN BE USED FOR ANY PARTICULAR PURPOSE. EXCEPT AS EXPRESSLY WARRANTED IN WRITING BY THE SELLER, THE SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND WITH RESPECT TO THE PRODUCTS.

(a) The Seller warrants that the items sold hereunder shall be free from defects in material or workmanship at the time of shipment by the Seller. The Seller warrants that if within 12 months of delivery of the goods to the Buyer the Buyer returns immediately to the Seller's premises any of the said goods which the Buyer believes to be defective, carrier paid, properly packed and clearly marked with the Buyer's full name and address and any other information such as serial numbers which may be necessary to enable the goods to be identified, together with a complete description of the alleged defect, they will be repaired or new goods will be supplied in exchange and the goods so repaired or such new goods will be delivered to the Buyer free of charge at the Seller's premises; provided, however, that the foregoing warranty shall be applicable only if upon demand by the Seller, the Buyer proves to the Seller's satisfaction: (i) that the defect was due solely to defective workmanship; (ii) that no alterations or repairs have been made to the goods except with the Seller's written consent; (iii) that the defect was not caused by any act of the Buyer or its agents; and (iv) that the defect was not caused by any matter beyond the reasonable control of the Seller, including, without limitation, accident or normal wear and tear. (b) THIS WARRANTY DOES NOT APPLY UNLESS THE SELLER'S PRODUCTS ARE: (i) USED IN DOMESTIC PLUMBING APPLICATIONS; (ii) INSTALLED BY A LICENSED CONTRACTOR, PLUMBER OR QUALIFIED EQUIPMENT INSTALLATION PROFESSIONAL; AND (iii) INSTALLED AND OPERATED IN ACCORDANCE WITH PUBLISHED HYDROFIT / HYDRONIX WATER TECHNOLOGY SPECIFICATIONS. (c) All costs and expenses, including freight charges, customs duties, and insurance incurred in returning the goods to the Seller's premises in accordance with this provision shall be paid by the Buyer. The benefit of this warranty shall not be assignable by the Buyer. (d) THIS WARRANTY DOES NOT EXTEND TO ANY GOODS NOT MANUFACTURED BY THE SELLER EVEN THOUGH SUPPLIED BY THE SELLER NOR DOES IT EXTEND TO ANY SECOND-HAND OR RECONDITIONED GOODS NOR DOES IT EXTEND TO COMPONENTS MANUFACTURED BY THE SELLER BUT INSTALLED, ATTACHED OR WELDED BY THE BUYER OR HIS CUSTOMER ON EQUIPMENT NOT MANUFACTURED BY THE SELLER. GOODS NOT MANUFACTURED BY THE SELLER CARRY ONLY THE WARRANTY (IF ANY) OF THEIR MAKERS AND THE BUYER IS ENTITLED TO THE BENEFIT THEREOF ONLY SO FAR AS THE SELLER HAS THE POWER TO TRANSFER IT. (e) THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER; THE SELLER MAKES NO OTHER WARRANTY, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESSED OR IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING, ARE HEREBY DISCLAIMED. (f) NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY TO THE BUYER'S DESIGNS OR SPECIFICATIONS.

15. Limited Remedy.

THE SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS AGREEMENT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR REPLACEMENT OF THE ITEMS SOLD. IN NO EVENT SHALL THE SELLER BE LIABLE TO THE BUYER OR ANY THIRD PARTY FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR ANY ITEMS SOLD, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY. IN NO EVENT SHALL THE SELLER BE LIABLE TO THE BUYER OR ANY OTHER ENTITY FOR MORE THAN THE INVOICE PRICE RECEIVED BY THE SELLER FOR ANY NON-CONFORMING PRODUCTS. THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR ANY OTHER ENTITY FOR PERSONAL INJURY, PROPERTY DAMAGE, OR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY, SPECIAL, OR OTHER DAMAGES OF ANY KIND, INCLUDING WITHOUT LIMITATION THE COST OF PROCUREMENT OF SUBSTITUTE GOODS, THE LOSS OF PROFITS, PRODUCTS, OR PRODUCTION, OR THE INTERRUPTION OF BUSINESS, HOWEVER CAUSED. THE SELLER SHALL NOT BE LIABLE TO THE BUYER OR ANY OTHER ENTITY ON ANY THEORY OF LIABILITY INCLUDING WITHOUT LIMITATION BREACH OF CONTRACT OR EXPRESS OR IMPLIED WARRANTY, TORT, NEGLIGENCE, FAILURE TO WARN, OR STRICT LIABILITY, AND WHETHER OR NOT THE SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE ESSENTIAL PURPOSE OF THIS PROVISION IS TO LIMIT THE LIABILITY OF THE SELLER ARISING OUT OF THE SALE OF PRODUCTS TO THE BUYER WHETHER FOR BREACH OF CONTRACT, NEGLIGENCE, OR ANY OTHER THEORY OF LIABILITY. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY AND NOTWITHSTANDING THE PROVISIONS OF ANY OTHER AGREEMENT BETWEEN THE SELLER AND THE BUYER.

16. Indemnity for Infringement of Intellectual Property Rights.

(a) The Buyer shall defend and indemnify the Seller against all actions, claims, demands, penalties and costs by third parties in tort, or for infringement, or alleged infringement, of patents, trademarks, copyrights, trade dress, trade secret or other rights of any third party resulting from the goods manufactured in accordance with the Buyer's specifications or based on any information provided by the Buyer. The Buyer will defend any action against the Seller for title, patent, trademark, copyright infringement, or other claimed by a third party at the Buyer's sole cost and expense. (b) The Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this provision. The Seller will defend and indemnify the Buyer against allegations of infringement of patents, trademarks, copyrights, trade dress and trade secrets ("Intellectual Property Rights"). The Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against the Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. The Seller's obligation to defend and indemnify the Buyer is contingent on the Buyer notifying the Seller within 10 days after sole control over the defense of any allegations or actions, including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, the Seller may, at its sole expense and option, procure for the Buyer the right to continue using said item, replace or modify said item so as to make it non-infringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, the Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in combination or use in a system of any item sold hereunder. The foregoing in this provision shall constitute the Seller's sole and exclusive liability and the Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

17. Lien.

In addition to any right of lien to which the Seller may by law be entitled, the Seller shall have a general lien on all goods of the Buyer in the Seller's possession (although such goods or some of them may have been paid for) for the unpaid price of any goods sold and delivered to the Buyer by the Seller under the same or other contracts.

18. Waiver.

The Seller's rights shall not be affected or restricted by any indulgence or forbearance granted to the Buyer. No waiver by the Seller of any breach shall operate as a waiver of any later breach.

19. Force Majeure.

The Seller shall be excused from performing any of its obligations under this Agreement which are prevented or delayed by any occurrence not within the reasonable control of the Seller, including but not limited to, accidents, acts of God, destruction or damage to the goods or the Seller's manufacturing plant, delays or failures in delivery of carriers or suppliers, shortages of materials, strikes or other labor matters, floods, earthquakes, fire, riots, explosions, or any regulations, rules, ordinances or orders of any governmental authority, federal, state or local, whether such cause exists at the date of the order or not.

20. Buyer's Representation of Solvency.

The Buyer hereby represents that as of the signing of this Agreement it was not insolvent within the meaning of the Uniform Commercial Code or any Bankruptcy Laws.

21. Assignment and Delegation.

The rights and obligations of the parties under this Agreement may not be assigned or delegated, except on the express written consent of the other party to the assignment or delegation.

22. Integration.

The rights and obligations of the parties and the terms and conditions set forth herein, together with any amendments, modifications and any different terms and conditions expressly accepted by the Seller in writing, shall constitute a complete and exclusive statement of the terms of this Agreement. This Agreement supersedes not only all prior agreements, but also oral agreements made contemporaneously with the execution of this Agreement. All such materials may not be used to supplement, explain, or contradict the terms of this Agreement.

23. Severability.

If any of these conditions or any part thereof purports to exclude or restrict or limit any liability and such exclusion or restriction or limitation is prohibited or rendered void or unenforceable by any legislation to which it is subject, or is itself prohibited or rendered void or unenforceable by any legislation to which it is subject, then the exclusion, restriction or limitation on the condition or part thereof in question shall be so prohibited or rendered void or unenforceable and the validity or enforceability of any other part of these provisions shall not thereby be affected.

24. Governing Law/Limitation on Actions.

The terms, conditions, rights, and obligations under this Agreement shall be construed under the laws of the State of California, without regard to principles of conflicts of laws. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by the Buyer more than two (2) years after such cause of action accrues.

Product Return Policy

Any item to be returned requires prior authorization from seller's customer service department, by phone (909.527.6996) or by fax (909.527.6997). Requests for returns of merchandise (other than materially defective merchandise) must be within one (1) year from the date of the seller's invoice date. The purchaser's order number or seller's invoice number must be provided when requesting the authorization. Seller must have an invoice on file for the product requested to be returned. Seller reserves the right to deny requested product returns. Approved returns will be issued a return authorization number (RMA#) from seller's customer service department. Product returned without prior authorization by seller will be refused. Approved returns will be given a return authorization number (RMA#). The (RMA#) must be plainly displayed on the outside of the parcel or parcels being returned or packages will be refused. Product must be returned within sixty (60) days upon issuance of the RMA#. If product is not returned within sixty (60) days, the RMA will be void and any packages returned will be refused.

Items said to be defective will be submitted to seller's Quality Control Department for evaluation and, if determined to be a material manufacturing defect, credit or a replacement will be issued as seller's option. Items sent out incorrectly by seller will be credited upon return of the product. A replacement order will be sent upon request by purchaser. Items to be returned as a result of over-stock, being incorrectly ordered, on an order cancelled by purchaser, will be assessed a 25% restocking charge and the company sending the returns will be responsible for return freight charges. All items returned, with the exception of goods claimed materially defective must be in even case lots, in their original packaging, and in new and unused condition. Any product returned failing to meet the above guidelines will be destroyed with no credit issued. Any items returned to seller without seller's authorization or an RMA# will be refused. For further questions regarding this policy, contact the Sales Department at (909.527.6996).

Additional Conditions and Notes

1. All list prices are quoted in US Dollars.
2. **MINIMUM ORDER VALUE - \$100 NET** F.O.B Ontario, CA. Accepted emergency orders will receive a minimum order charge (difference between \$100 minimum and order total).
3. **SPECIAL HANDLING SERVICE** - Orders requiring special handling are subject to approval to Hydronix Customer Service Department. A charge of \$50 may be applied to accepted orders requiring "special handling" (e.g. drop shipments, expedited/rush shipments, etc.). Freight terms for drop ship orders will be either pre-pay and add or 3rd party billing sold to customer. Only Hydronix packing slips will accompany the shipment. Hydronix reserves the right to refuse requests to drop ship orders or special handling requests.
4. Product sold in case lot quantities only. Contact distributors for price and availability of lesser quantities.
5. Housings and Systems are priced without cartridges unless stated otherwise.
6. Nominal micron ratings are based on average values obtained in commercial production and are not intended for specifications purpose.
7. For information on additional product availability, contact our sales department.

WARNING: DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfected water that may contain filterable cysts.

CAUTION: Filter must be protected against freezing which can cause cracking of the filter and result in water leakage.

CAUTION: Filter should not be installed where exposed to direct sunlight.

CAUTION: Do not expose clear housings to organic solvents as those found in aerosol sprays, cleaning products, or insecticides. Such exposure may cause filter damage, failure, cracking and leakage. After installation, flush the cartridge with sufficient water to remove fines before using water. Run tap at least 20 seconds prior for drinking or cooking purposes.

NOTE: Some harmless bacteria may attack cellulose media cartridges. If cartridge appears to disintegrate or has a "musty" or "moldy" odor, switch to a synthetic media cartridge or consult manufacturer.

NOTE: Filter cartridges have a limited service life, changes in taste, odor, color and/or flow may indicate cartridge needs replacing.

WE RESERVE THE RIGHT TO CHANGE DESIGN, SPECIFICATIONS OR PRICE WITHOUT NOTICE.

Terms of Use Agreement : Media Files *(Artwork, Images, Logos, Product Names, Slogans, Drawings)*

1. **Acceptance of Agreement.** You agree to the terms and conditions outlined in this Terms of Use Agreement ("Agreement") with respect to the Media Files of Hydronix Water Technology. No media files shall be used until you receive a signed copy of this Agreement from Hydronix Water Technology.
2. **Right.** "Media Files" shall mean the artwork, graphics, images, logos, product names, slogans, drawings, photographs, videos, digital images, audio/visual recordings and all related material of Hydronix Water Technology. Media Files are protected under applicable copyrights, trademarks and other proprietary (including but not limited to intellectual property) rights. The copying, redistribution, use or publication by you of any Media Files or any part of them, except as allowed by Section 4, is strictly prohibited. You shall not acquire ownership rights to any Media Files.
3. **Trademarks.** Hydronix, Polaris Scientific UV, Hydrofit, Hydron, HydroScientific, SHOK BLOK, Aquatrol, HydroGuard and _____ are trademarks, registered trademarks and/or licensed for use of Hydronix Water Technology.
4. **Limited Right to Use.** The use of Media Files is limited to printing only. Unless otherwise specified in a writing signed by an authorized representative of Hydronix Water Technology, Hydronix Water Technology grants you only a limited, nonexclusive agreement of use and does not authorize distribution, assignment, sublicense, sale, preparation of derivative works or other use. No part of any Media File may be reproduced in any form or incorporated into any information retrieval system, electronic or mechanical, including web pages other than for your personal corporate internal use without written permission granted by the Vice President or President of Hydronix Water Technology. All advertisements, sales sheets, catalog pages, informational newsletters or any other form of communication containing all or part of the Media Files must be approved by Hydronix Water Technology prior to use, printing and distribution. You shall provide Hydronix Water Technology with a copy of any advertisements, sales sheets, catalog pages, informational newsletters or any other form of communication containing all or part of the Media Files. Hydronix Water Technology reserves the right for permission of use and can require cease of use and deletion of previously approved media files.
5. **Editing, Deleting and Modification.** We reserve the right in our sole discretion to edit or delete any Media Files and enforce the use of Specific Media Files or represent specific products, salesmarks, logos and slogans.
6. **Indemnification.** You agree to indemnify, defend and hold us and our partners, attorneys, staff, employees, agents and affiliates harmless from any liability, loss, claim and expense, including reasonable attorney's fees and costs, related to your violation of this Agreement.
7. **Nontransferable.** Your right to use the Media Files is not transferable.
8. **Miscellaneous.** This Agreement shall be governed by and construed in accordance with the laws of the State of California (without regard to conflict of law principles). Any cause of action by you with respect to Media Files, or any information, products or services related thereto, must be instituted within one (1) year after the cause of action arose or be forever waived and barred. The language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against either party. All legal proceedings arising out of or in connection with this Agreement shall be brought in California. You expressly submit to the exclusive jurisdiction of said courts and consent to extra-territorial service of process. Should any part of this Agreement be held invalid or unenforceable, that portion shall be construed consistent with applicable law and the remaining portions shall remain in full force and effect. To the extent that anything in or associated with the Media Files is in conflict or inconsistent with this Agreement, this Agreement shall take precedence. Our failure to enforce any provision of this Agreement shall not be deemed a waiver of such provision or of the right to enforce such provision.

Credit Application

APPLICANT INFORMATION	LEGAL BUSINESS NAME		PRIMARY CONTACT/TITLE		PHONE	
	TRADE NAME/DBA		E-MAIL ADDRESS		FAX	
	BILLING ADDRESS/CITY/STATE/ZIP		ACCOUNTS PAYABLE CONTACT		PHONE	
			E-MAIL ADDRESS		FAX	
	SHIPPING ADDRESS/CITY/STATE/ZIP (if more than one location, attach separate sheet)				PHONE	
					FAX	
	TYPE OF BUSINESS		ANNUAL SALES VOLUME		YEARS UNDER CURRENT OWNERSHIP	
					FEDERAL TAX ID#	
	<input type="checkbox"/> PROPRIETORSHIP <input type="checkbox"/> CORPORATION (STATE/YEAR _____) <input type="checkbox"/> GENERAL PARTNERSHIP <input type="checkbox"/> LIMITED PARTNERSHIP <input type="checkbox"/> LIMITED LIABILITY CO. <input type="checkbox"/> STATE OR LOCAL GOVERNMENT					
	In the past seven (7) years, has the business or any of its owners or principals filed bankruptcy? <input type="checkbox"/> Yes <input type="checkbox"/> No Does the business have any pending lawsuits/judgements or unpaid liens? <input type="checkbox"/> Yes <input type="checkbox"/> No <i>If you answered yes to either of these questions, please provide details on a separate sheet.</i>					
PRINCIPALS (OWNERS, PARTNERS, AND PRINCIPAL OFFICERS)	BUSINESS NAME		CITY/STATE		DATE	
	NAME		TITLE		% OWNERSHIP	
	HOME ADDRESS/CITY/STATE/ZIP				E-MAIL ADDRESS	
	CURRENT EMPLOYER		YEARS OF EMPLOYMENT		SALARY	
	BUSINESS NAME		CITY/STATE		DATE	
	NAME		TITLE		% OWNERSHIP	
	HOME ADDRESS/CITY/STATE/ZIP				E-MAIL ADDRESS	
	CURRENT EMPLOYER		YEARS OF EMPLOYMENT		SALARY	
	BUSINESS NAME		CITY/STATE		DATE	
	NAME		TITLE		% OWNERSHIP	
HOME ADDRESS/CITY/STATE/ZIP				E-MAIL ADDRESS		
CURRENT EMPLOYER		YEARS OF EMPLOYMENT		SALARY		
BUSINESS NAME		CITY/STATE		DATE		
NAME		TITLE		% OWNERSHIP		
HOME ADDRESS/CITY/STATE/ZIP				E-MAIL ADDRESS		
CURRENT EMPLOYER		YEARS OF EMPLOYMENT		SALARY		
OFFICE USE						
AUTHORIZATION	CUSTOMER authorizes and instructs any person, trade reference, banking, financing or lending institution and consumer reporting agency to compile and furnish Hydronix Water Technology or any of it's assignees any information that it may have obtained in response to credit inquiries.					
	SIGNATURE		PRINTED NAME/TITLE		DATE	
	SIGNATURE		PRINTED NAME/TITLE		DATE	
SIGNATURE		PRINTED NAME/TITLE		DATE		

(Continue on other side)

REFERENCES LIST CREDITORS THAT HAVE EXTENDED CREDIT EQUIVALENT TO THE AMOUNT THAT YOU ARE REQUESTING	BANK	ACCOUNT#	PHONE
	CITY/STATE		FAX
	TRADE REFERENCE	ACCOUNT#	PHONE
	CITY/STATE		FAX
	TRADE REFERENCE	ACCOUNT#	PHONE
	CITY/STATE		FAX
	TRADE REFERENCE	ACCOUNT#	PHONE
	CITY/STATE		FAX
	SECURED DEBT OR LEASE	ACCOUNT#	PHONE
	CITY/STATE		FAX
	AGREEMENT	<p>In consideration of providing accommodations, services and extending credit, CUSTOMER executing this application and agreement, CUSTOMER represents and warrants that the information provided is true and correct and authorizes Hydronix Water Technology to make whatever credit inquiries it deems necessary. CUSTOMER authorizes and instructs any person, trade reference, banking financing or lending institution and consumer reporting agency to compile and Hydronix Water Technology any information that it may have or obtained in response to credit inquiries. CUSTOMER further agrees to comply with the following terms and conditions:</p> <ol style="list-style-type: none"> 1. Terms: COD unless otherwise specified. A service charge of 1.5% per month (18% per annum) shall be charged on all past due balances. 2. Upon default of payment, CUSTOMER agrees to pay all collection costs including collection agency fees up to 40% of the outstanding debt, reasonable attorney fees and court costs; including all post judgement attorney fees, court costs and collection expenses. CUSTOMER further agrees that the venue of any suit may be laid in the county of Hydronix Water Technology's physical business location Hydronix Water Technology option. 	
NAME OF BUSINESS (IF CORPORATION/PARTNERSHIP)			
BY			BY
TITLE			TITLE
DATE			DATE
SIGNATURE OF OWNER (IF PROPRIETORSHIP)		SIGNATURE OF SPOUSE (REQUIRED IF BUSINESS IS LOCATED IN COMMUNITY PROPERTY STATE)	
DATE		DATE	
<p>The undersigned, for and in consideration of Hydronix Water Technology extending at our request credit to the above CUSTOMER, hereby personally guarantee Hydronix Water Technology the prompt payment of any obligations of the CUSTOMER Hydronix Water Technology and we hereby agree to bind ourselves to Hydronix Water Technology on demand any sum which may become due by the customer without first requiring you to proceed against the CUSTOMER. This guarantee shall be a continuing and irrevocable guarantee and indemnify for such indebtedness of the company. We do hereby agree to the terms and conditions so defined in the AGREEMENT, waive notice of acceptance, default and nonpayment, and consent to any modification or renewal or indulgence of the CUSTOMER's obligations hereby guaranteed.</p>			
NAME		NAME	NAME
SIGNATURE		SIGNATURE	SIGNATURE
ADDRESS	ADDRESS	ADDRESS	
CITY/STATE/ZIP	CITY/STATE/ZIP	CITY/STATE/ZIP	
DATE	DATE	DATE	



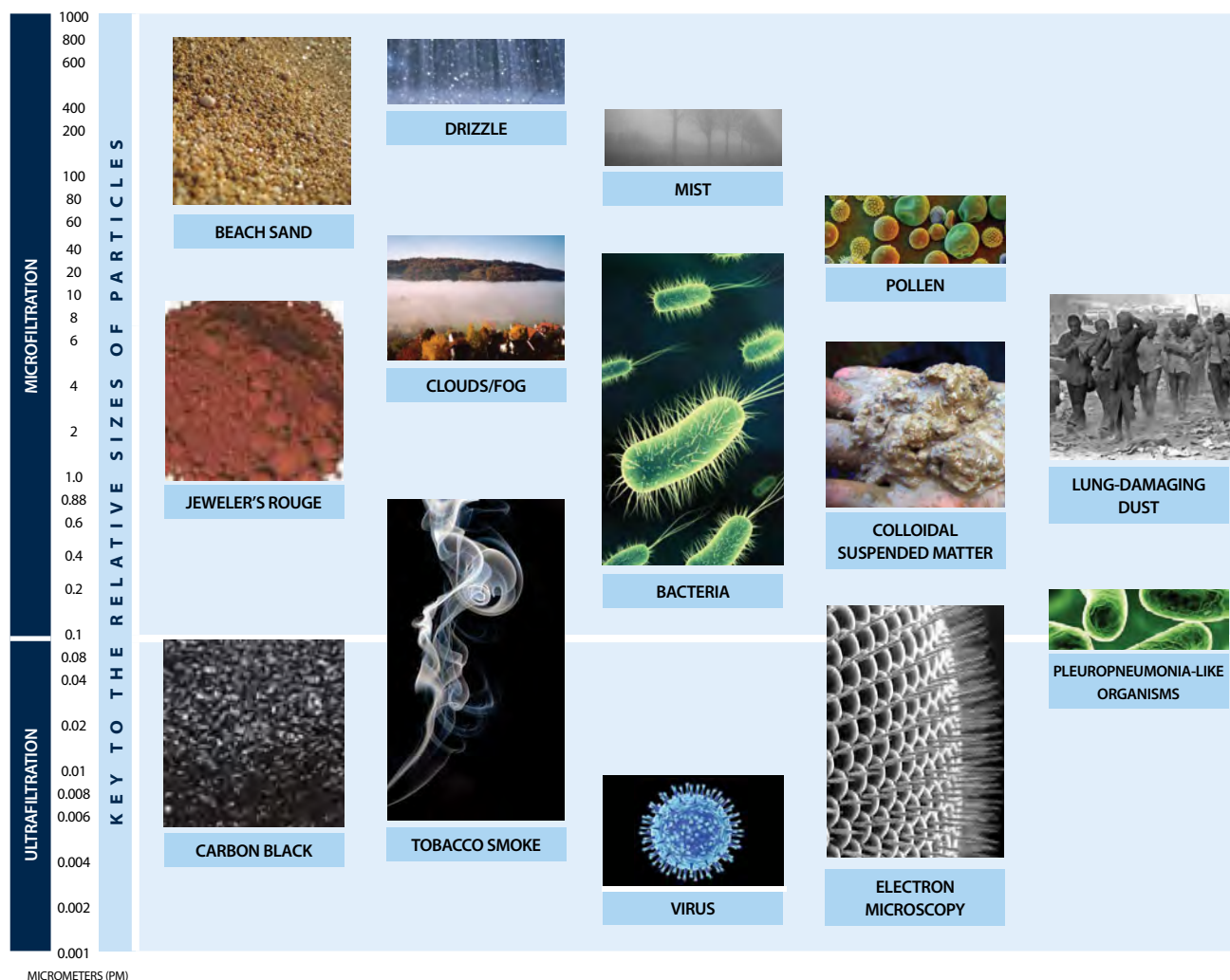
Weights & Measures

Volume Equivalents

Inches	Feet	Yards	Rods	Miles	Centimeters	Meters	Kilometers
1.0	0.25	0.8327	0.2082	57.75	0.03342	0.9464	0.0009464
4.0	1.0	3.331	0.8327	231.0	0.1337	3.785	0.003785
1.201	0.3002	1.0	0.25	69.35	0.04014	1.137	0.001137
4.804	1.201	4.0	1.0	277.4	0.1605	4.546	0.004546
0.01732	0.004329	0.01442	0.003636	1.0	0.0005787	0.01639	0.00001639
29.92	7.481	24.92	6.229	1728.0	1.0	28.32	0.02832
1.057	0.2642	0.8799	0.22	61.02	0.03531	1.0	0.001
1057.0	264.2	879.9	220.0	61020.0	35.31	1000.0	1.0

Weight Equivalents

Grains	Avoirdupois Ounces	Avoirdupois Pounds	Avoirdupois Grams	Kilograms	Pounds	Short Tons	Long Tons	Kilograms	Metric Tons
1.0	0.002286	0.0001429	0.06480	0.00006480	1.0	0.0005	0.0004464	0.4536	0.0004536
437.5	1.0	0.06250	28.35	0.02835	2000.0	1.0	0.8929	907.2	0.9072
70000.0	16.0	1.0	453.6	0.4536	2240.0	1.120	1.0	1016.0	1.016
15.43	0.03527	0.002205	1.0	0.001	2.205	0.001102	0.0009842	1.0	0.001
15430.0	35.27	2.205	1000.0	1.0	2205.0	1.102	0.9842	1000.0	1.0



AVOIRDUPOIS WEIGHT

1 DRAM = 27.478 GRAINS
1 OUNCE = 16 DRAMS
1 POUND = 16 OUNCES
1 SHORT TON = 2240 POUNDS
1 OUNCE = 437.5 GRAINS
1 POUND = 7000 GRAINS

NOTE: The grain is the same in Avoirdupois, Troy and Apothecaries weight.

TROY WEIGHT

1 PENNYWEIGHT = 24 GRAINS
1 OUNCE = 20 PENNY WEIGHTS
1 POUND = 12 OUNCES
1 OUNCE = 480 GRAINS
1 POUND = 5760 GRAINS

APOTHECARIES WEIGHT

1 SCRUPLE = 20 GRAINS
1 DRAM = 3 SCRUPLES
1 OUNCE = 8 DRAMS
1 POUND = 12 OUNCES
1 DRAM = 60 GRAINS
1 OUNCE = 480 GRAINS
1 POUND = 5760 GRAINS

DRY MEASURE (U.S.)

1 QUART = 2 PINTS
1 PECK = 8 QUARTS
1 BUSHEL = 4 PECKS
1 BUSHEL = 32 QUARTS
1 BARREL = 105 QUARTS

WET MEASURE (U.S.)

1 PINT = 4 GILLS
1 QUART = 2 PINTS
1 GALLON = 4 QUARTS
1 BARREL (LIQUID) = 31.5 GAL.
1 BARREL (OIL) = 42 GALLONS

LONG MEASURE

1 FOOT = 12 INCHES
1 YARD = 3 FEET
1 ROD = 5.5 YARDS
1 FURLONG = 40 RODS
1 STATUTE MILE = 8 FURLONGS
1 ROD = 16.5 FEET
1 FURLONG = 660 FEET
1 STATUTE MILE = 5280 FEET

MARINES' MEASURE

1 FATHOM = 6.0 FEET
1 CABLE LENGTH = 120.0 FATHOMS
1 STATUTE MILE = 5280.0 FEET
1 NAUTICAL MILE = 6080.2 FEET

SQUARE MEASURE

1 SQUARE FOOT = 144 SQUARE INCHES
1 SQUARE YARD = 9 SQUARE FEET
1 SQUARE ROD = 30.25 SQUARE YARDS
1 ROD = 40 SQUARE RODS
1 ACRE = 4 RODS
1 SQUARE MILE = 640 ACRES
1 ACRE = 43,560 SQUARE FEET
1 SQUARE MILE = 27,878,400 SQ. FEET

CUBIC MEASURE

1 CUBIC FOOT = 1728.0 CUBIC INCHES
1 QUART (DRY) = 67.2006 CUBIC INCHES
1 BUSHEL = 2150.42 CUBIC INCHES
1 BARREL (DRY) = 7056.0 CUBIC INCHES
1 QUART (LIQUID) = 57.75 CUBIC INCHES
1 GALLON = 231.0 CUBIC INCHES
1 BARREL (LIQUID) = 7276.5 CUBIC INCHES
1 CUBIC YARD = 27.0 CUBIC FEET
1 CORD = 128.0 CUBIC FEET
1 TON (SHIPPING) = 40.0 CUBIC FEET

METRIC WEIGHT

1 MICROGRAM = 0.001 MILLIGRAM
1 MILLIGRAM = 0.001 GRAM
1 CENTIGRAM = 0.01 GRAM
1 DECIGRAM = 0.1 GRAM
1 DEAGRAM = 10.0 GRAMS
1 HECTOGRAM = 100.0 GRAMS
1 KILOGRAM = 1000.0 GRAMS
1 METRIC TON = 1000.0 KILOGRAMS

METRIC LINEAR MEASURE

1 MICROMETER = 0.001 MILLIMETER
1 MILLIMETER = 0.001 METER
1 CENTIMETER = 0.01 METER
1 DECIMETER = 0.1 METER
1 DEKAMETER = 10.0 METERS
1 HECTOMETER = 100.0 METERS
1 KILOMETER = 1000.0 METERS

METRIC SQUARE MEASURE

1 SQ. CENTIMETER = 100 SQ. MILLIMETERS
1 SQ. DECIMETER = 100 SQ. CENTIMETERS
1 SQUARE METER = 100 SQ. DECIMETERS
1 ACRE = 100 SQUARE METERS
1 HECTARE = 100 ACRE
1 SQ. KILOMETER = 100 HECTARES
1 SQ. METER = 10,000 SQUARE CENTIMETERS
1 SQ. KILOMETER = 1,000,000 SQUARE METERS

METRIC CUBIC MEASURE

1 MILLILITER (CUBIC CENTIMETER) = 1000 CUBIC MILLILITERS
1 LITER (CUBIC DECIMETER) = 1000 MILLILITERS
1 HECTOLITER = 100 LITERS
1 CUBIC METER = 10 HECTOLITERS
1 CUBIC METER = 1000 LITERS

MISCELLANEOUS

U.S. LIQUID MEASURES AND METRIC EQUIVALENTS

1 MINIM OR DROP = 0.0616 MILLILITERS
1 FLUID DRAM = 60 MINIMS
= 3.697 MILLILITERS
1 FLUID OUNCE = 8 FLUID DRAMS
= 29.57
= 32 FLUID OUNCES
= 0.9463 LITERS
1 QUART = 4 QUARTS
= 3.785 LITERS
1 TIERCE = 42 GALLONS
= 0.1590 CUBIC METERS
= 63 GALLONS
= 2 BARRELS (LIQUID)
= 0.2385 CUBIC METERS
= 126 GALLONS
= 4 BARRELS (LIQUID)
= 0.4770 CUBIC METERS
= 252 GALLONS
= 8 BARRELS (LIQUID)
= 0.9539 CUBIC METERS
1 TON

Linear Equivalents

Inches	Feet	Yards	Rods	Miles	Centimeters	Meters	Kilometers
1.0	0.08333	0.02778	0.005051	0.00001578	2.54	0.0254	0.0000254
12.0	1.0	0.3333	0.06061	0.0001894	30.48	0.3048	0.0003048
36.0	3.0	1.0	0.1818	0.0005682	91.44	0.9144	0.0009144
198.0	16.5	5.5	1.0	0.003125	502.9	5.029	0.005029
63360.0	5280.0	1760.0	320.0	1.0	160900.0	1609.0	1.609
0.3937	0.03281	0.01094	0.001988	0.000006214	1.0	0.01	0.00001
39.37	3.281	1.094	0.1988	0.0006214	100.0	1.0	0.001
39370.0	3281.0	1094.0	198.8	0.6214	100000.0	1000.0	1.0

Area Equivalents

Square Inches	Square Feet	Square Yards	Sq. Centimeters	Square Miles	Acres	Square Miles	Acres	Hectares	Sq. Kilometers
1.0	0.006944	0.0007716	6.452	0.0006452	1.0	0.001563	40.47	0.4047	0.004047
144.0	1.0	0.1111	929.0	0.0929	640.0	1.0	25900	259.0	2.59
1296.0	9.0	1.0	8361.0	0.8361	0.02471	0.00003861	1.0	0.01	0.0001
0.155	0.001076	0.0001196	1.0	0.0001	2.471	0.003861	100.0	1.0	0.01
1550.0	10.76	1.196	10000.0	1.0	247.1	0.3861	10000.0	100.0	1.0

Weights & Measures

ENGLISH	Conversion Factors	METRIC
Acre	1,233 8.11 x 10 ⁴	Feet
Cubic Feet (cu ft) <i>US</i>	28,317 3.53 x 10 ⁻³	Cubic Centimeters
Cubic Feet (cu ft) <i>US</i>	0.028 335.31	Cubic Meters
Cubic Feet (cu ft) <i>US</i>	28.32 0.035	Liters
Cubic Feet/Minute	472 0.0021	Cubic Centimeters/Second
Cubic Feet/Minute	0.472 2.119	Liters/Second
Cubic Feet/Second	1699 5.886 x 10 ⁻⁴	Liters/Minute
Cubic Inches <i>US</i>	1.64 x 10 ⁻³ 61.024	Cubic Meters
Cubic Inches <i>US</i>	0.0164 61.024	Liters
Cubic Inches <i>US</i>	16.87 0.0610	Milliliters (mL)
Feet <i>US</i>	0.3048 3.281	Meters
Feet <i>US</i>	304.8 3.28 x 10 ⁻³	Millimeters (mm)
Feet/Minute	0.508 1.97	Centimeters/Second
Feet/Minute	1.829 x 10 ⁻² 54.68	Kilometers/Hour
Feet/Minute	.305 3.28	Meters/Minute
Feet/Second	1.0973 0.911	Kilometers/Hour/Second
Gallons <i>US</i>	3785 2.64 x 10 ⁻⁴	Cubic Centimeters (mL)
Gallons <i>US</i>	3.785 0.264	Liters
Gallons/Minute <i>US</i>	0.063 15.85	Liters/Second
Gallons/Minute	0.227 4.4	Cubic Meters/Hour
Gallons/Square Foot/Minute	2.44 0.408	Cubic Meters/Hour/ Square Meters

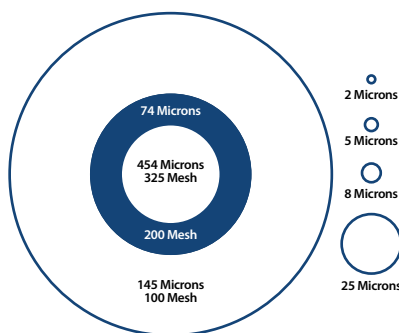
ENGLISH	Conversion Factors	METRIC
Grains <i>Troy</i>	0.0648 15.432	Grams
Grains <i>Troy</i>	64.8 0.01543	Milligrams (Mg)
Grains/Gallons <i>US</i>	0.0171 58.417	Grams/Liter
Grains/Gallons <i>US</i>	17.1 0.0584	PPM
Inches <i>US</i>	2.54 0.3937	Centimeters (cm)
Inches <i>US</i>	25.4 0.0394	Millimeters (mm)
Miles <i>US, Statute</i>	1.609 0.6214	Kilometers (Km)
Miles <i>US, Statute</i>	1609 6.214 x 10 ⁻⁴	Meters
Miles/Hour	44.7 0.0224	Centimeters/Second
Miles/Hour	26.82 0.0373	Meters/Minute
Miles/Minute	96.6 1.03 x 10 ⁻²	Kilometers/Hour
Ounces <i>Avoirdupois</i>	28.35 0.0353	Grams
Ounces <i>US Fluid</i>	29.6 0.0338	Milliliters
Ounces <i>US Fluid</i>	0.0296 33.81	Liters
Pounds <i>AV</i>	453.6 0.0022	Grams
Pounds <i>AV/Square Inch</i>	0.0703 14.223	Kilograms/Centimeter ²
Pounds <i>AV</i>	0.4536 2.205	Kilograms
Pounds <i>AV</i>	700 14.2 x 10 ⁻⁵	Grains
Pounds/Cubic Foot	16.02 0.0624	Grams/Liter
Pounds/Foot	14.88 0.067	Grams/Centimeter
Pounds/Gallon <i>US</i>	0.12 8.345	Grams/Milliliter
Pounds/Gallon <i>US</i>	119.8 8.34 x 10 ⁻³	Grams/Liter
Quart <i>US Liquid</i>	946.3 0.001057	Milliliters
Quart <i>US Liquid</i>	0.946 1.057	Liters
Square Feet	929 1.08 x 10 ⁻³	Square Centimeters
Square Feet <i>US</i>	0.0929 10.76	Square Meters
Square Inches <i>US</i>	6.452 0.155	Square Centimeters

Relative Size of Particles

Magnification 500 times

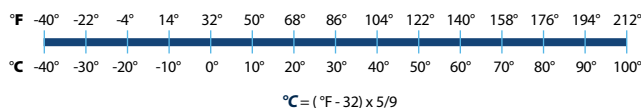
Micron Comparisons

SUBSTANCE	MICRONS
Table Salt	100
Human Hair (Average Diam.)	50-70
White Blood Cell	25
Talcum Powder	10
Cocoa	8-10
Red Blood Cell	8
Bacteria (Cocci)	2



Temperature Conversion

$$^{\circ}\text{F} = (^{\circ}\text{C} \times 9/5) + 32$$



$$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$$

Filter Efficiency: A filter's efficiency is a function of the Beta ratio.

Beta Ratio	Percent Efficiency
1	0
2	50
4	75
5	80
10	90
20	95
50	98
75	98.67
100	99
1000	99.90
5000	99.98
10000	99.99
∞	100

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