HYDRA self-cleaning filter systems

Specialty designed self-cleaning back-wash process



Atlas Filtri HYDRA filter systems are the most effective back-wash, sediment filters on the market. The filters are designed to automatically back-wash from the center of the cartridge out when the drain valve is opened. The product line includes a full proprietary stainless steel, polypropylene and polyester cartridges, from 50 to 90 microns. Designed for various applications, including hot water, pressure rating up to 125 psi and flow rates from 15 gpm to 44 gpm.

HYDRA are available with NPT tapered IN/OUT connections in 1/2", 3/4", 1", 1.5", and adapt to any point-of-entry or heavy sediment application for residential, commercial and industrial water filtration. Stainless steel inserts can be available in 3/4" connections as a special order. The optional HYDRA-M are models provided with two pressure gauges. HYDRA-HOT models are designed for filtration with water temperature up to 176°F. Included in the design is the drain kit with ball valve, plastic hose connection and air-gap that meets the plumbing code.

The HYDRA DUO and HYDRA TRIO double and triple manifold systems are uniquely designed in a single molded manifold. These multi-stage designed systems offer additional filtration options to make it the most advanced system available on the market.

Hydra filters come complete with housing wrench, single, double or triple plastic wall mount bracket and optional drain kit with two gauges as found with the HYDRA-M models. LubriKit food grade lubricant for proper O-ring lubrication can be purchased when ordering housings.

Atlas Filtri is driven to providing our customers with the best available products to meet their filtration requirements. This is done by using the most advanced manufacturing and design methods, which is why we can bring you the highest-pressure rating of any filtration housing on the market. The international patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri at **www.atlasfiltri.com**





FEATURES

- HYDRA, HYDRA M, HYDRA DUO and HYDRA TRIO for water filtration applications.
- HYDRA HOT for hot water applications.
- NPT connection ports 1/2", 3/4", 1", 1.5".
- Filter rates at 50 and 90 micron.
- Flow rates from 15 gpm to 44 gpm.
- Pressure relief comes with an O-ring design which eliminates leaks due to spring corrosion issues.
- Accessories included: wrench, single and manifold wall mount brackets.
- LubriKit food grade lubricant for housing o-ring can be purchased with housings.

CERTIFICATIONS

Products certified by **IAPMO RT to NSF/ANSI 42, 61, 372 - lead free, CSA B483.1.** In compliance with drinking water regulations, USA and Canada.

SPECIFICATIONS

Materials:
Blue heads: reinforced polypropylene.
Clear sumps: PET.
Red heads: reinforced nylon.
Red sump: reinforced nylon.
O-rings: EPDM.
RAH filter cartridge: 90 micron stainless steel net, frame, end caps polypropylene, gasket SEBS with antimicrobial technology.
RLH filter cartridge: 90 micron polyester net, frame, end caps polypropylene, gasket SEBS with antimicrobial technology.
RSH filter cartridge: 50 micron polypropylene pleated net, end caps polypropylene, gasket SEBS with antimicrobial technology.
RAH-HOT filter cartridge: 90 micron stainless steel net, frame, end caps polypropylene, gasket SEBS with antimicrobial technology.
Filter cartridge spring: stainless steel.

Working conditions:
Working pressure: Max 125 psi (8.6 bar).
Working temperature range:
Min 39.2°F (4°C) - Max 113°F (45°C).
HYDRA HOT Max 176°F (80°C).

PRODUCTS SPECIFICATIONS and PERFORMANCE

Listed HYDRA are standard models - Specifications apply also to HYDRA-M with gauges and to HYDRA-HOT. Stainless steel fitting inserts are available as a special order based on volume upon, in single housings designs only.

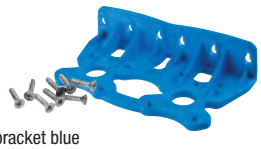
PART NO.	MODEL	IN/OUT	FILTER RATE MICRON	FILTER MATERIAL	MAX DIMENSIONS HXW	FLOW RATE	PRESSURE DROP@FLOW RATE
RA6000054	HYDRA 1/2" RAH 90 mcr IN NPT	1/2"	90	Stainless Steel	15.35"x4.73"(390x120mm)	15 gpm (58 lpm)	2.17psi@15gpm(0.22bar@58 lpm)
RA6000040	HYDRA 3/4" RAH 90 mcr IN NPT	3/4"	90	Stainless Steel	15.35"x4.73"(390x120mm)	22 gpm (84 lpm)	2.17psi@22gpm(0.15bar@84 lpm)
RA6000041	HYDRA 1" RAH 90 mcr IN NPT	1"	90	Stainless Steel	15.35"x4.73"(390x120mm)	27 gpm (100 lpm)	2.61psi@27gpm(0.18bar@100 lpm)
RA6000091	HYDRA 1"1/2 RAH 90 mcr IN NPT	1"1/2	90	Stainless Steel	15.35"x4.73"(390x120mm)	44 gpm (166 lpm)	3.14psi@44gpm(0.22bar@166 lpm)
RA6000053	HYDRA 1/2" RLH 90 mcr IN NPT	1/2"	90	Polyester	15.35"x4.73"(390x120mm)	15 gpm (58 lpm)	2.90psi@15gpm(0.24bar@58 lpm)
RA6000033	HYDRA 3/4" RLH 90 mcr IN NPT	3/4"	90	Polyester	15.35"x4.73"(390x120mm)	22 gpm (84 lpm)	2.90psi@22gpm(0.20bar@84 lpm)
RA6000034	HYDRA 1" RLH 90 mcr IN NPT	1"	90	Polyester	15.35"x4.73"(390x120mm)	27 gpm (100 lpm)	3.19psi@27gpm(0.22bar@100 lpm)
RA6000090	HYDRA 1"1/2 RLH 90 mcr IN NPT	1"1/2	90	Polyester	15.35"x4.73"(390x120mm)	44 gpm (166 lpm)	3.51psi@44gpm(0.24bar@166 lpm)
RA6000055	HYDRA 1/2" RSH 50 mcr IN NPT	1/2"	50	Polypropylene	15.35"x4.73"(390x120mm)	15 gpm (58 lpm)	3.33psi@15gpm(0.29bar@58 lpm)
RA6000047	HYDRA 3/4" RSH 50 mcr IN NPT	3/4"	50	Polypropylene	15.35"x4.73"(390x120mm)	22 gpm (84 lpm)	3.33psi@22gpm(0.23bar@84 lpm)
RA6000048	HYDRA 1" RSH 50 mcr IN NPT	1"	50	Polypropylene	15.35"x4.73"(390x120mm)	27 gpm (100 lpm)	3.77psi@27gpm(0.26bar@100 lpm)
RA6000092	HYDRA 1"1/2 RSH 50 mcr IN NPT	1"1/2	50	Polypropylene	15.35"x4.73"(390x120mm)	44 gpm (166 lpm)	4.26psi@44gpm(0.29bar@166 lpm)

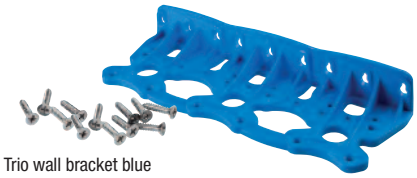


LubriKit


Wrench


-S- wall bracket blue


Duo wall bracket blue


Trio wall bracket blue

ACCESSORIES INCLUDED

RB7403017	X type WRENCH BLACK
RB7400007	S type SINGLE WALL BRACKET BLUE
RB7400017	DUO type DOUBLE WALL BRACKET BLUE
RB7400019	TRIO type TRIPLE WALL BRACKET BLUE
LB7221129	DRAIN KIT
RB7404010	KIT OF TWO (2) GAUGES 1/8" (BSP-T) 0-174 PSI (0-12 BAR) for HYDRA M models*

* Gauge ports of Hydra M models are BSP.

ACCESSORIES ON DEMAND/ORDER SEPARATELY

RE9020650	LUBRIKIT - O-Ring Lubricant

SPARE PARTS

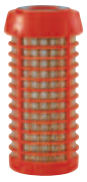
RA5000020	HYDRA RAH 90 mcr cartridge
RA5080020	HYDRA RAH HOT 90 mcr cartridge
RA5000010	HYDRA RLH 90 mcr cartridge
RA5000040	HYDRA RSH 50 mcr cartridge
RE7120040	Stainless Steel Cartridge Spring
AA7514331	DP SUMP O-RING
LA9062105	KIT of 4 TSP 4.2x19 DIN 7982 screws for DP Wall Brackets*

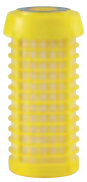
* TSP 4.2x19 DIN 7982 are mandatory dimensional specs for screws.


Drain kit


Gauges for -M- models


RAH
90 mcr cartridge


RAH HOT
90 mcr cartridge


RLH
90 mcr cartridge


RSH
50 mcr cartridge


Stainless steel
cartridge spring

ATLAS FILTRI® is a registered trade mark of ATLAS FILTRI srl. Unauthorized use of the registered trade mark is strictly forbidden.
Images and texts are property of ATLAS FILTRI srl, which reserves the rights to change products design and specification without prior notice.

ATLAS FILTRI North America LLC
1068 North Farms Road Bldg. #3 - Wallingford, CT 06492, USA
Phone +1(203)284-0080 - Fax +1(203)294-9226 - e-mail: atlasfiltrinorthamerica@atlasfiltri.com
A Company of the Atlas Filtri Group. Headquarter and production in Italy. **www.atlasfiltri.com**