



# 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 up to 40 gpm.

HYDRA are available with NPT tapered IN/OUT connections in 3/4", 1", and 1.5" that can 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. 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.

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](http://www.atlasfiltri.com)



### FEATURES

- HYDRA water filtration applications
- HYDRA HOT for hot water applications
- NPT connection ports 3/4", 1" and 1.5"
- Filter rates at 50 and 90 micron
- Flow rates up to 40 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



1. 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 and 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	Micron	Filter Material	Max Dim HXW	Flow Rate	Pressure Drop @ Flow Rate
RA6000040	HYDRA 3/4" RAH 90 mcr IN NPT	3/4"	90	Stainless Steel	15.35"x4.73"	22 gpm	2.17psi@22gpm
RA6000041	HYDRA 1" RAH 90 mcr IN NPT	1"	90	Stainless Steel	15.35"x4.73"	28 gpm	2.61psi@27gpm
RA6000091	HYDRA 1.5" RAH 90 mcr NPT IN	1.5"	90	Stainless Steel	15.35"x4.73"	40 gpm	2.85psi@32gpm
RA6000005	HYDRA Hot 3/4" RAH 90 mcr IN NPT	3/4"	90	Stainless Steel	15.35"x4.73"	22 gpm	2.17psi@22gpm
RA6000006	HYDRA Hot 1" RAH 90 mcr IN NPT	1"	90	Stainless Steel	15.35"x4.73"	28 gpm	2.61psi@27gpm



Bracket



Wrench



Drain Kit

### ACCESSORIES INCLUDED

- RB7403017 X type WRENCH BLACK
- RB7400007S type SINGLE WALL BRACKET BLUE
- LB7221129 DRAIN KIT



O-ring



Lubricant

### ACCESSORIES ON DEMAND/ORDER SEPARATELY

- RE9020650 LUBRIKIT - O-Ring Lubricant

### SPARE PARTS

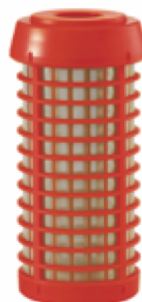
- RA5000020 - HYDRA - RAH - 90 micron cartridge
- RA5080020 - HYDRA - RAH - HOT 90 micron cartridge
- RA5000010 - HYDRA - RLH - 90 micron cartridge
- RA5000040 - HYDRA - RSH - 50 micron cartridge
- RE7120040 - Spring - All - Stainless Steel
- AA7514331 - O-ring - All - DP SUMP Housing



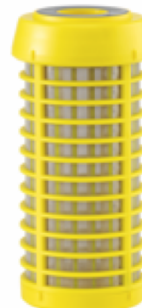
HYDRA Hot



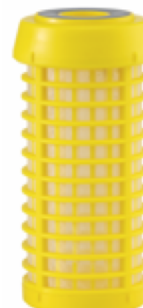
Stainless Steel Cartridge



RAH 90 mcr Hot Cartridge



RAH 90 mcr Cartridge



RLH 90 mcr Cartridge



RSH 50 mcr Cartridge