



# HYDRA

self-cleaning filters

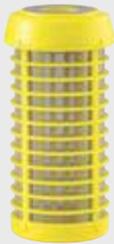
full range of self-cleaning filters  
with innovative solutions for the efficiency  
of self-cleaning operation,  
thanks to a newly designed back-wash system  
in counter-current which grants  
the highest particle removal from the filter cartridge

# HYDRA SELF-CLEANING FILTERS



Housings HYDRA fit to **EXCLUSIVE HYDRA FILTER CARTRIDGES.**

**SX** cartridges with antimicrobial flat seal.



**RAH**  
stainless steel net cartridge, filtration at 90 micron.  
CODE RA5000020



**RAH HOT**  
stainless steel net cartridge, filtration at 90 micron.  
CODE RA5080020



**RLH**  
plastic net cartridge, filtration at 90 micron.  
CODE RA5000010



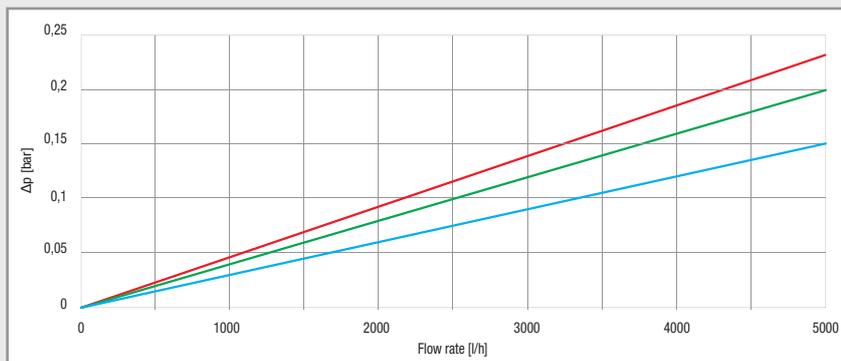
**RSH**  
pleated plastic net cartridge, filtration at 50 micron.  
CODE RA5000040



All cartridges are provided with dedicated **stainless steel AISI 302 cartridge spring.**  
CODE RE7120040

## FLOW RATE vs PRESSURE DROP $\Delta p$

Testing mode: 20°C, 3 BAR



## CERTIFICATIONS



A range of housings is certified by IAPMO RT to NSF/ANSI 42, 61, 372 - lead free, CSA B483.1. In compliance with Drinking Water Treatment Units regulations, USA and CANADA.



Housings are tested and certified under the most stringent procedures worldwide, in compliance with DM 25 (Italy), with the sanitary certification ACS (France), EAC/Ghostregistrazia (Russia) and WaterMark (Australia).

## SYMBOLS LEGEND



For domestic use



For technical and industrial use



Filter housings made in PET, a highly recyclable plastic, are manufactured with a proprietary procedure saving up to 60% of energy in injection molding compared with standard plastics. That is one of Atlas Filtri commitments to comply with Kyoto Treaty for the reduction of green house gas (CO<sub>2</sub>) emissions in the atmosphere.

## ACCESSORIES ON DEMAND



brass hose-holder  
CODE RE7120026



3/4" / 1" brass nipples with o-ring (pair)  
CODE RB7404001 / CODE RB7404002



-KIT AUTO- CODE RE7120024  
automatic discharge kit (see pages 186-187)



-LUBRIKIT- single-dose lubricant for housing o-ring  
CODE RE9020650

## ACCESSORIES INCLUDED



-X- spanner



-S- wall bracket  
(for HYDRA and HYDRA HOT)



-K DP- wall bracket (for HYDRA K DP) CODE RB7400021

## DISCHARGE KIT



brass discharge ball-valve with gasket



plastic hose-holder



drain funnel

In compliance with the European Standard UNI EN 1717/2002: designed to prevent back-flow contamination by making all elements downstream the discharge vent to atmosphere (protection unit symbol: DC)



SELF-CLEANING  
FILTERS

HYDRA

FILTER MODEL

3/4

IN / OUT

1/2"

3/4"

1"

1 1/4"

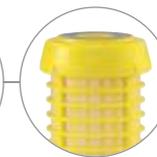
1 1/2"

RLH 90 mcr

FILTER CARTRIDGE

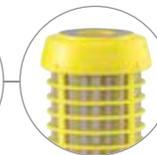
RSH 50 mcr

RLH 90 mcr



RAH HOT 90 mcr

RAH 90 mcr



OT

THREADS TYPE

OT - BRASS BSP \*



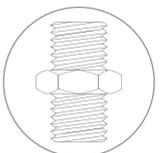
IN - PLASTIC BSP \*



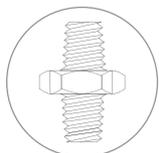
NPT IN - PLASTIC NPT \*\*



MP - PLASTIC BSP \*



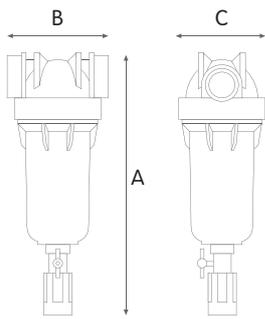
\* BSP  
parallel (cylindrical)  
ISO 228



\*\* NPT  
tapered (conical)  
ANSI/ASME B1.20.1



# HYDRA HOT



## WORKING CONDITIONS

Max working pressure \_\_\_\_\_ 8,6 bar (125 psi)  
 Min working pressure \_\_\_\_\_ 1,8 bar (26 psi)  
 Max working temperature \_\_\_\_\_ 80°C (176°F)  
 Min working temperature \_\_\_\_\_ 4°C (39,2°F)

## SPECIFICATIONS

Non-toxic materials.  
 Head: reinforced nylon.  
 Bowl: reinforced nylon.  
 O-ring: EPDM.  
 Breather-valve: body stainless steel, o-ring EPDM.  
 Discharge ball-valve: CW 617 N brass nickel plated.  
 Drain funnel: reinforced polypropylene.



**DRAIN FUNNEL**  
 Back-flow  
 preventing device  
 UNI EN 1717-11/2002

## HYDRA HOT single-stage self-cleanig filters

### HOUSINGS WITH PLASTIC BSP THREADS

| CODE      | MODEL                        | NOMINAL<br>FILTRATION<br>MICRON | IN/OUT | FLOW<br>RATE l/h | DIMENSIONS mm |     |     |
|-----------|------------------------------|---------------------------------|--------|------------------|---------------|-----|-----|
|           |                              |                                 |        |                  | A             | B   | C   |
| RA6000001 | HYDRA HOT 1/2" RAH 90 mcr IN | 90                              | 1/2"   | 3500             | 390           | 120 | 107 |
| RA6000002 | HYDRA HOT 3/4" RAH 90 mcr IN | 90                              | 3/4"   | 5000             | 390           | 120 | 107 |
| RA6000003 | HYDRA HOT 1" RAH 90 mcr IN   | 90                              | 1"     | 6000             | 390           | 120 | 107 |

### HOUSINGS WITH PLASTIC NPT THREADS

| CODE      | MODEL                            | NOMINAL<br>FILTRATION<br>MICRON | IN/OUT | FLOW<br>RATE l/h | DIMENSIONS mm |     |     |
|-----------|----------------------------------|---------------------------------|--------|------------------|---------------|-----|-----|
|           |                                  |                                 |        |                  | A             | B   | C   |
| RA6000005 | HYDRA HOT 3/4" RAH 90 mcr NPT IN | 90                              | 3/4"   | 5000             | 390           | 120 | 107 |
| RA6000006 | HYDRA HOT 1" RAH 90 mcr NPT IN   | 90                              | 1"     | 6000             | 390           | 120 | 107 |

## CERTIFICATIONS



A range of housings is certified by IAPMO RT to NSF/ANSI 42 - Structural Integrity Only and CSA B483.1 - Structural Integrity Only. In compliance with drinking water regulations, USA and CANADA.