

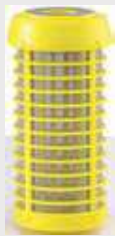
# HYDRA SELF-CLEANING FILTERS

## ACCESSORIES ON DEMAND



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



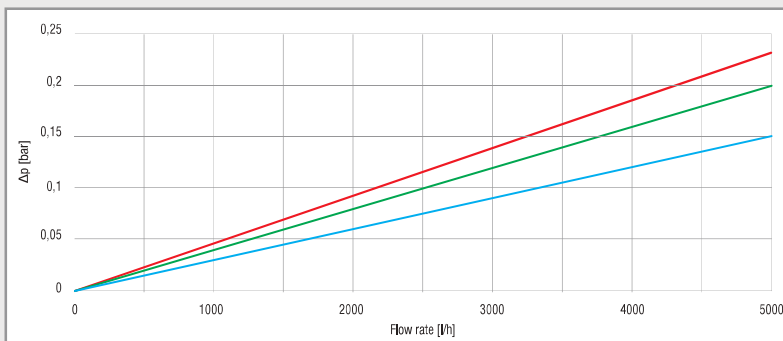
**RSH**  
pleated plastic  
net cartridge,  
filtration at  
50 micron.  
CODE RA5000040



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



RSH ———  
RLH ———  
RAH ———

### 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/Ghostreghistrizia (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.



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)

HOUSINGS RANGE



HYDRA



HYDRA M



HYDRA K DP



HYDRA K DP M



HYDRA HOT

SELF-CLEANING  
FILTERS

HYDRA

FILTER MODEL

3/4

IN / OUT

1/2"

3/4"

1"

1 1/4"

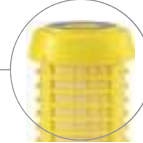
1 1/2"

RLH 90 mcr

FILTER CARTRIDGE

RSH 50 mcr

RLH 90 mcr



RAH HOT 90 mcr

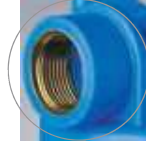
RAH 90 mcr



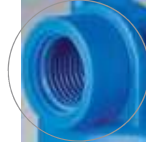
OT

THREADS TYPE

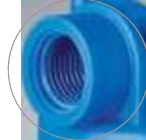
OT - BRASS BSP \*



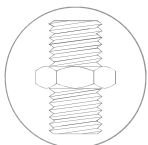
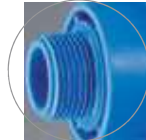
IN - PLASTIC BSP \*



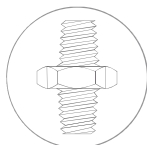
NPT IN - PLASTIC NPT \*\*



MP - PLASTIC BSP \*



\* BSP  
parallel (cylindrical)  
ISO 228



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



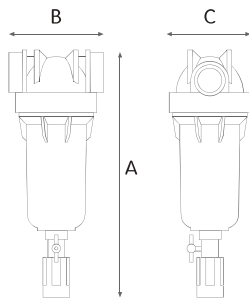
# HYDRA

## WORKING CONDITIONS

Max working pressure:  
 BSP versions \_\_\_\_\_ 8 bar (116 psi)  
 NPT versions \_\_\_\_\_ 8,6 bar (125 psi)  
 Min working pressure \_\_\_\_\_ 1,8 bar (26 psi)  
 Max working temperature \_\_\_\_\_ 45°C (113°F)  
 Min working temperature \_\_\_\_\_ 4°C (39,2°F)

## SPECIFICATIONS

Non-toxic materials, suitable for drinking water.  
 Head: reinforced polypropylene.  
 Bowl: PET.  
 O-ring: EPDM.  
 Breather-valve: body stainless steel, o-ring EPDM.  
 IN/OUT brass threads: CW 617 N brass.  
 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 RLH single-stage self-cleaning filters

### HOUSINGS WITH BRASS BSP THREADS

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000010	HYDRA 1/2" RLH 90 mcr OT	90	1/2"	3500	390	120	107
RA6000011	HYDRA 3/4" RLH 90 mcr OT	90	3/4"	5000	390	120	107
RA6000012	HYDRA 1" RLH 90 mcr OT	90	1"	6000	390	120	107
RA6000022	HYDRA 1"1/4 RLH 90 mcr OT	90	1"1/4	8000	415	120	107
RA6000023	HYDRA 1"1/2 RLH 90 mcr OT	90	1"1/2	10000	415	120	107

### HOUSINGS WITH PLASTIC BSP THREADS

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000028	HYDRA 1/2" RLH 90 mcr IN	90	1/2"	3500	390	120	107
RA6000029	HYDRA 3/4" RLH 90 mcr IN	90	3/4"	5000	390	120	107
RA6000030	HYDRA 1" RLH 90 mcr IN	90	1"	6000	390	120	107

### HOUSINGS WITH PLASTIC NPT THREADS

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000053	HYDRA 1/2" RLH 90 mcr NPT IN	90	1/2"	5000	390	120	107
RA6000033	HYDRA 3/4" RLH 90 mcr NPT IN	90	3/4"	5000	390	120	107
RA6000034	HYDRA 1" RLH 90 mcr NPT IN	90	1"	6000	390	120	107

### HOUSINGS WITH PLASTIC BSP THREADS

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000060	HYDRA 1/2" RLH 90 mcr MP	90	1/2"	3500	390	155	107
RA6000061	HYDRA 3/4" RLH 90 mcr MP	90	3/4"	5000	390	155	107
RA6000062	HYDRA 1" RLH 90 mcr MP	90	1"	6000	390	155	107

Some items in the list are subject to minimum order quantities and/or to longer delivery term.