



# 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

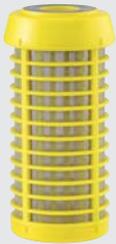
# HYDRA SELF-CLEANING FILTERS

ACCESSORIES ON DEMAND

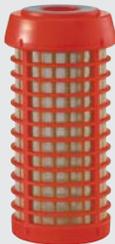


Housings HYDRA fit to **EXCLUSIVE HYDRA FILTER CARTRIDGES.**

**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



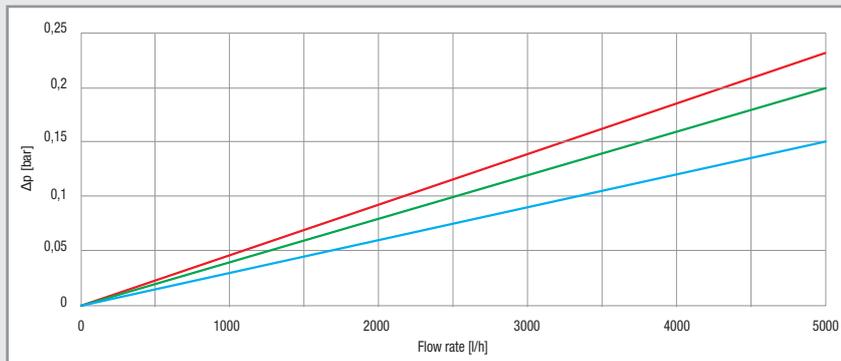
**RSH**  
pleated plastic net cartridge, filtration at 50 micron.  
CODE RA5000040



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



## 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.



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

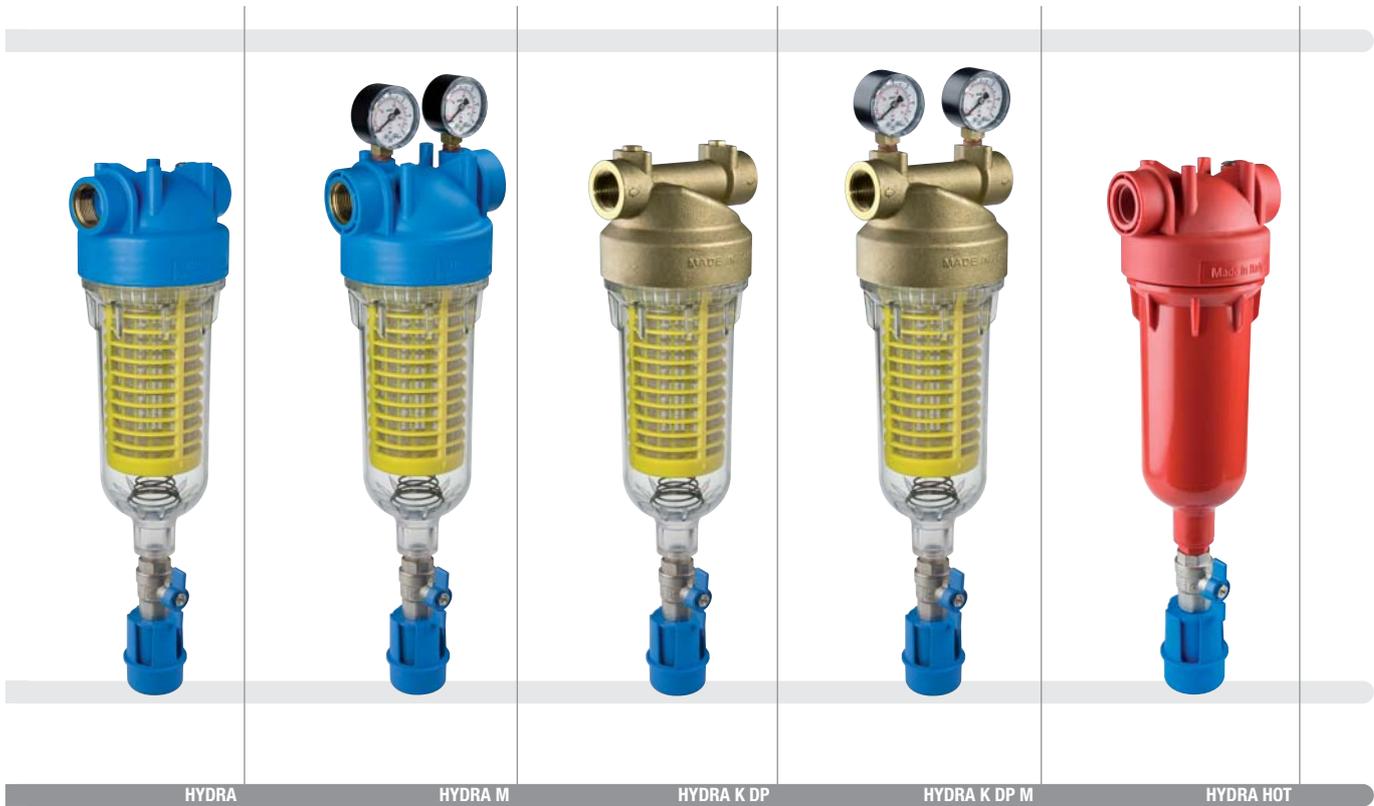


plastic hose-holder



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 \*



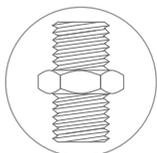
IN - PLASTIC BSP \*



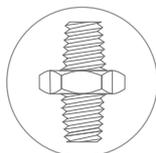
NPT IN - PLASTIC NPT \*\*



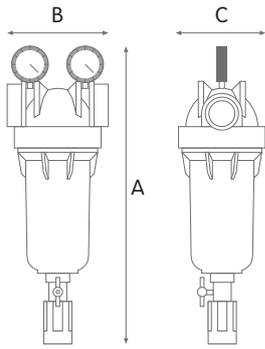
MP - PLASTIC BSP \*



\* **BSP**  
parallel (cylindrical)  
ISO 228



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



**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.  
 IN/OUT brass threads: CW 617 N brass.  
 Manometers: radial type, pressure range 0-12 bar, 0-170 psi.  
 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 M RAH single-stage self-cleaning filters with 2 manometers**

**HOUSINGS WITH BRASS BSP THREADS**

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000115	HYDRA M 1/2" RAH 90 mcr OT	90	1/2"	3500	445	120	107
RA6000116	HYDRA M 3/4" RAH 90 mcr OT	90	3/4"	5000	445	120	107
RA6000117	HYDRA M 1" RAH 90 mcr OT	90	1"	6000	445	120	107
RA6000118	HYDRA M 1 1/4" RAH 90 mcr OT	90	1 1/4"	8000	460	120	107
RA6000119	HYDRA M 1 1/2" RAH 90 mcr OT	90	1 1/2"	10000	460	120	107

**HOUSINGS WITH PLASTIC BSP THREADS**

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000134	HYDRA M 1/2" RAH 90 mcr IN	90	1/2"	3500	445	120	107
RA6000135	HYDRA M 3/4" RAH 90 mcr IN	90	3/4"	5000	445	120	107
RA6000136	HYDRA M 1" RAH 90 mcr IN	90	1"	6000	445	120	107

**HOUSINGS WITH PLASTIC NPT THREADS**

CODE	MODEL	NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
					A	B	C
RA6000139	HYDRA M 3/4" RAH 90 mcr NPT IN	90	3/4"	5000	445	120	107
RA6000140	HYDRA M 1" RAH 90 mcr NPT IN	90	1"	6000	445	120	107