



SELF-CLEANING  
FILTERS

# HYDRA RAINMASTER

multi-stage self-cleaning filters

Range of multi-stage self-cleaning filters especially designed for the filtration and treatment of rainwater, in re-cycling applications

# HYDRA RAINMASTER

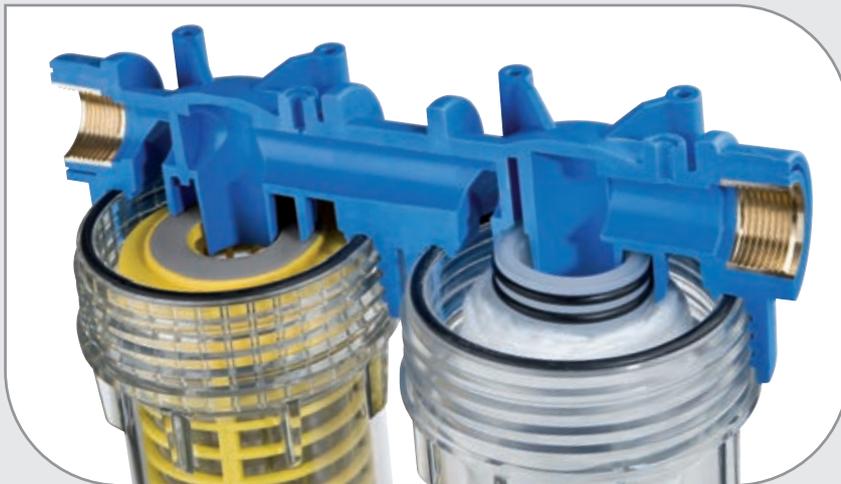
FOR CARTRIDGES SX and BX

**Second and third stages housings fit to both standard SX (DOE) cartridges and to exclusive BX cartridges.**

The full range of Atlas Filtri® SX and BX cartridges is suitable to Hydra multi-stage housings and provides the widest range of water filtration and treatment units.



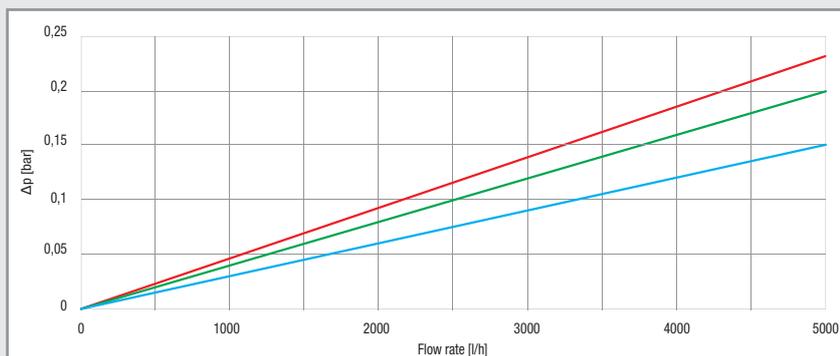
**SX** cartridges with antimicrobial flat seals. Standard seals for CB EC cartridge.



**BX** cartridges with 45 mm double o-ring collar. Quick-fit connection for a perfect tightening.

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

Testing mode: 20°C, 3 BAR



RSH —  
RLH —  
RAH —

## ACCESSORIES INCLUDED



-X- spanner

-DUO- wall bracket



-TRIO- wall bracket

## 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)



Filterfit - cartridge centering device

## ACCESSORIES ON DEMAND



3/4" plastic nipple with o-ring  
CODE LB7404012

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



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



-UV 1200- CODE EA3500003 (see page 321)

-UV 2800- CODE EA3500004 (see page 321)



DUO

TRIO

# HYDRA RAINMASTER

FILTER MODEL

DUO

VERSION

3/4"

IN / OUT

1/2"

3/4"

1"

RAH

PREFILTER CARTRIDGE

CB EC

POSTFILTER CARTRIDGE

CB EC - CARBON BLOCK



LA - GRANULAR ACTIVATED CARBON



OT

THREADS TYPE

OT - BRASS BSP \*



IN - PLASTIC BSP \*



NPT IN - PLASTIC NPT \*\*



Exclusive HYDRA RAINMASTER filter cartridge with antimicrobial flat seal for the self-cleaning stage.



## RAH

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



With dedicated stainless steel AISI 302 cartridge spring.  
CODE RE7120040

### CERTIFICATIONS



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



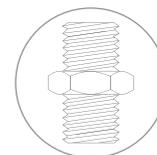
For technical and industrial use



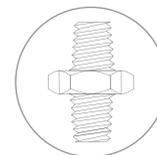
Filter housings made in PET, a highly recyclable plastic, are manufactured with a proprietary procedure saving up to 60% of energy in injection molding compared with standard plastics. That is one of Atlas Filtri commitments to comply with Kyoto Treaty for the reduction of green house gas (CO<sub>2</sub>)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



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



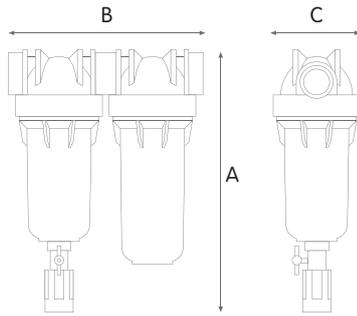
\* BSP parallel (cylindrical) ISO 228



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



# HYDRA RAINMASTER DUO



## 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-rings: 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 RAINMASTER DUO RAH with carbon block cartridge

### HOUSINGS WITH BRASS BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096114	HYDRA RAINMASTER DUO RAH CB/EC 1/2" OT	90	10	1/2"	3500	390	228	107
RA6096124	HYDRA RAINMASTER DUO RAH CB/EC 3/4" OT	90	10	3/4"	5000	390	228	107
RA6096134	HYDRA RAINMASTER DUO RAH CB/EC 1" OT	90	10	1"	5700	390	228	107



### HOUSINGS WITH PLASTIC BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096115	HYDRA RAINMASTER DUO RAH CB/EC 1/2" IN	90	10	1/2"	3500	390	228	107
RA6096125	HYDRA RAINMASTER DUO RAH CB/EC 3/4" IN	90	10	3/4"	5000	390	228	107
RA6096135	HYDRA RAINMASTER DUO RAH CB/EC 1" IN	90	10	1"	5700	390	228	107



### HOUSINGS WITH PLASTIC NPT THREADS

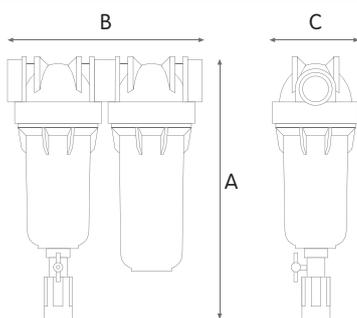
CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096126	HYDRA RAINMASTER DUO RAH CB/EC 3/4" NPT IN	90	10	3/4"	5000	390	228	107
RA6096136	HYDRA RAINMASTER DUO RAH CB/EC 1" NPT IN	90	10	1"	5700	390	228	107

For carbon block cartridge specifications  
 see CB EC CTO at page 261

## VARIANTS AVAILABLE ON MINIMUM QUANTITY:

- HYDRA RAINMASTER DUO with RLH or RSH prefilter cartridges.

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



**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-rings: 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 RAINMASTER DUO RAH with GAC cartridge**

**HOUSINGS WITH BRASS BSP THREADS**

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096214	HYDRA RAINMASTER DUO RAH LA 1/2" OT	90	-	1/2"	1900	390	228	107
RA6096224	HYDRA RAINMASTER DUO RAH LA 3/4" OT	90	-	3/4"	2600	390	228	107
RA6096234	HYDRA RAINMASTER DUO RAH LA 1" OT	90	-	1"	2900	390	228	107



**HOUSINGS WITH PLASTIC BSP THREADS**

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096215	HYDRA RAINMASTER DUO RAH LA 1/2" IN	90	-	1/2"	1900	390	228	107
RA6096225	HYDRA RAINMASTER DUO RAH LA 3/4" IN	90	-	3/4"	2600	390	228	107
RA6096230	HYDRA RAINMASTER DUO RAH LA 1" IN	90	-	1"	2900	390	228	107

**HOUSINGS WITH PLASTIC NPT THREADS**

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
						A	B	C
RA6096226	HYDRA RAINMASTER DUO RAH LA 3/4" NPT IN	90	-	3/4"	2600	390	228	107
RA6096236	HYDRA RAINMASTER DUO RAH LA 1" NPT IN	90	-	1"	2900	390	228	107

For GAC cartridge specifications see LA at page 253

**VARIANTS AVAILABLE ON MINIMUM QUANTITY:**

- HYDRA RAINMASTER DUO with RLH or RSH prefilter cartridges.

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

SELF-CLEANING FILTERS