



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.



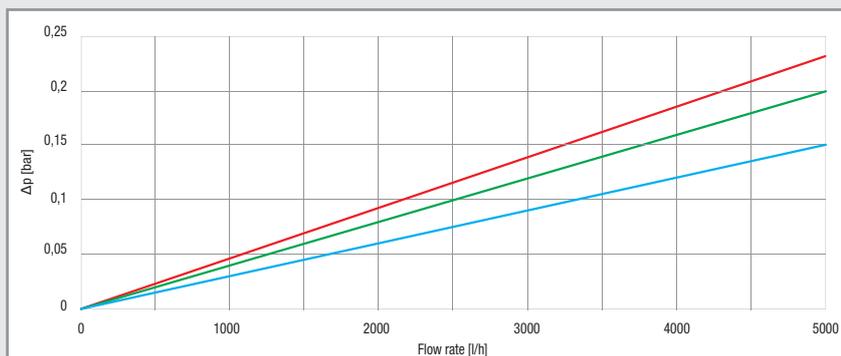
SX cartridges with antimicrobial flat seals. Standard seals for CB EC cartridge.



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

FLOW RATE vs PRESSURE DROP Δp

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



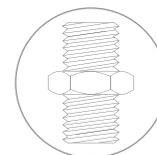
For technical and industrial use



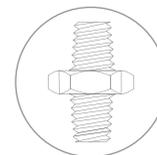
Filter housings made in PET, a highly recyclable plastic, are manufactured with a proprietary procedure saving up to 60% of energy in injection molding compared with standard plastics. That is one of Atlas Filtri commitments to comply with Kyoto Treaty for the reduction of green house gas (CO₂) emissions in the atmosphere.



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



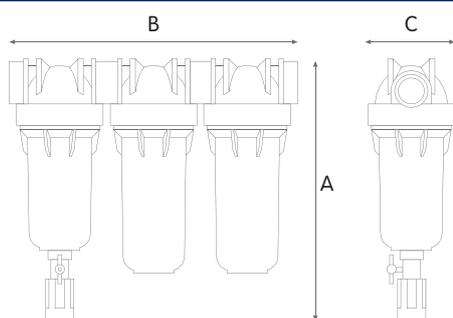
* BSP parallel (cylindrical) ISO 228



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



HYDRA RAINMASTER TRIO



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 TRIO RAH with carbon block cartridge



HOUSINGS WITH BRASS BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095114	HYDRA RAINMASTER TRIO RAH CB/EC 1/2" OT	90	25	10	1/2"	3500	390	336	107
RA6095124	HYDRA RAINMASTER TRIO RAH CB/EC 3/4" OT	90	25	10	3/4"	4800	390	336	107
RA6095134	HYDRA RAINMASTER TRIO RAH CB/EC 1" OT	90	25	10	1"	5500	390	336	107



HOUSINGS WITH PLASTIC BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095115	HYDRA RAINMASTER TRIO RAH CB/EC 1/2" IN	90	25	10	1/2"	3500	390	336	107
RA6095120	HYDRA RAINMASTER TRIO RAH CB/EC 3/4" IN	90	25	10	3/4"	4800	390	336	107
RA6095135	HYDRA RAINMASTER TRIO RAH CB/EC 1" IN	90	25	10	1"	5500	390	336	107

HOUSINGS WITH PLASTIC NPT THREADS

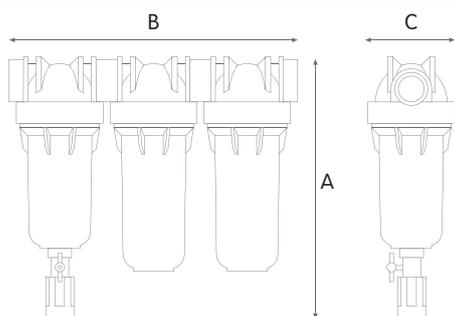
CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095126	HYDRA RAINMASTER TRIO RAH CB/EC 3/4" NPT IN	90	25	10	3/4"	4800	390	336	107
RA6095136	HYDRA RAINMASTER TRIO RAH CB/EC 1" NPT IN	90	25	10	1"	5500	390	336	107

For wound thread cartridge specifications see FA at page 215
 For carbon block cartridge specifications
 see CB EC CTO at page 261

VARIANTS AVAILABLE ON MINIMUM QUANTITY:

- HYDRA RAINMASTER TRIO 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)



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

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.

HYDRA RAINMASTER TRIO RAH with GAC cartridge

HOUSINGS WITH BRASS BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095214	HYDRA RAINMASTER TRIO RAH LA 1/2" OT	90	25	-	1/2"	1800	390	336	107
RA6095224	HYDRA RAINMASTER TRIO RAH LA 3/4" OT	90	25	-	3/4"	2500	390	336	107
RA6095234	HYDRA RAINMASTER TRIO RAH LA 1" OT	90	25	-	1"	2800	390	336	107

HOUSINGS WITH PLASTIC BSP THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095215	HYDRA RAINMASTER TRIO RAH LA 1/2" IN	90	25	-	1/2"	1800	390	336	107
RA6095225	HYDRA RAINMASTER TRIO RAH LA 3/4" IN	90	25	-	3/4"	2500	390	336	107
RA6095235	HYDRA RAINMASTER TRIO RAH LA 1" IN	90	25	-	1"	2800	390	336	107

HOUSINGS WITH PLASTIC NPT THREADS

CODE	MODEL	SELF CLEANING NOMINAL FILTRATION MICRON	SEDIMENT NOMINAL FILTRATION MICRON	POST CARTRIDGE NOMINAL FILTRATION MICRON	IN/OUT	FLOW RATE l/h	DIMENSIONS mm		
							A	B	C
RA6095226	HYDRA RAINMASTER TRIO RAH LA 3/4" NPT IN	90	25	-	3/4"	2500	390	336	107
RA6095236	HYDRA RAINMASTER TRIO RAH LA 1" NPT IN	90	25	-	1"	2800	390	336	107



For wound thread cartridge specifications see FA at page 215
 For GAC cartridge specifications see LA at page 253

VARIANTS AVAILABLE ON MINIMUM QUANTITY:

- HYDRA RAINMASTER TRIO with RLH or RSH prefilter cartridges.

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

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