



# HYDRA

self-cleaning filter

## TECHNICAL CATALOGUE



#### CERTIFICATIONS:



A range of self-cleaning filters is certified by IAPMO R&T against NSF/ANSI 42 - Material Safety and Structural Integrity only, 61, 372 - lead free, CSA B483.



Self-cleaning filters are tested and certified under the most stringent procedures worldwide, in compliance with the sanitary certifications DM25 -Italy-, ACS -France- and EAC/Ghostreghistrizia -Russia-

# OPEN TO CLEAN



# HYDRA

## Self-cleaning filters with back-wash

The cleaning operations are simple and within reach for everyone: they can take place manually by opening the drain ball valve at the bottom of the filter, or automatically, thanks to the dedicated kit auto. Process efficiency is guaranteed by the drain system designed to block reflux of the ejected water.



POINT OF ENTRY



COLD WATER



HOT WATER



MAX WORKING PRESSURE

**BSPB versions: 8 bar (116 psi) - 10 bar (145 psi) for K DP models**

**NPT versions: 8,6 bar (125 psi)**

MIN WORKING PRESSURE

**1,8 bar (26 psi)**



MAX WORKING TEMPERATURE

**HYDRA 45°C (113°F)**

**HYDRA HOT 80°C (176°F)**

MIN WORKING TEMPERATURE

**4°C (39,2°F)**

## TECHNICAL SPECIFICATIONS

### HYDRA:

Selected raw 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 614 N brass nickel plated.

Drain funnel: reinforced polypropylene.

Manometers (M models): radial type,

pressure range 0-12 bar, 0-170 psi.

### HYDRA K DP:

Selected raw materials, suitable for drinking water.

Head: CB 753 S brass.

Bowl: PET.

O-ring: EPDM.

Breather-valve: CW 614 N brass.

Discharge ball-valve: CW 617 N brass nickel plated.

Drain funnel: reinforced polypropylene.

Manometers (M models): radial type,

pressure range 0-12 bar, 0-170 psi.

### HYDRA HOT:

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.

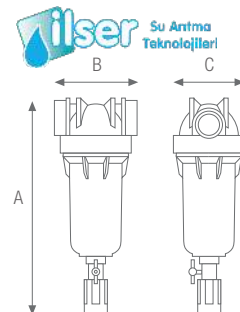
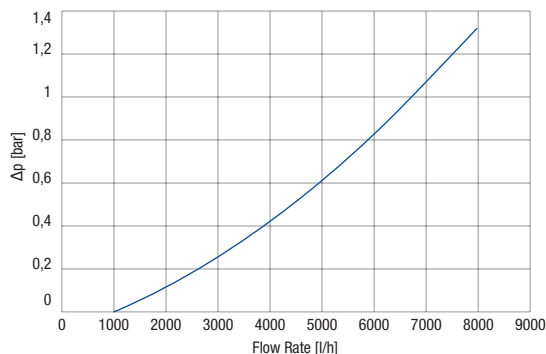
### FLOW RATE / ΔP:

**IN/OUT 1/2" - MAX l/h 3800 - ΔP = 0,38 bar**

**IN/OUT 3/4" - MAX l/h 5300 - ΔP = 0,68 bar**

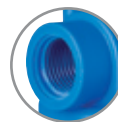
**IN/OUT 1" - MAX l/h 6000 - ΔP = 0,85 bar**

**IN/OUT 1 1/4" - MAX l/h 8000 - ΔP = 1,3 bar**



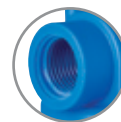
OT

BRASS BSPB



IN

PLASTIC BSPB



IN-NPT

PLASTIC NPT



MP

PLASTIC BSPB

THREADS  
TYPE



VERSIONS



HYDRA



HYDRA M



HYDRA HOT



HYDRA K DP

CARTRIDGES



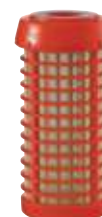
RAH 90 mcr



RLH 90 mcr



RSH 50 mcr



RAH HOT  
90 mcr

RAH stainless steel net cartridge - CODE RA5000020

RLH plastic net cartridge - CODE RA5000010

RSH pleated plastic net cartridge - CODE RA5000040

RAH HOT stainless steel net cartridge - CODE RA5080020

### DRAIN FUNNEL

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



## HYDRA single-stage self-cleaning filters

### HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                     | NOMINAL FILTRATION mcr | 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 |
| RA6000013   | HYDRA 1/2" RAH 90 mcr OT  | 90                     | 1/2"   | 3500          | 390           | 120 | 107 |
| RA6000014   | HYDRA 3/4" RAH 90 mcr OT  | 90                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000015   | HYDRA 1" RAH 90 mcr OT    | 90                     | 1"     | 6000          | 390           | 120 | 107 |
| RA6000024   | HYDRA 1"1/4 RAH 90 mcr OT | 90                     | 1"1/4  | 8000          | 415           | 120 | 107 |
| RA6000019   | HYDRA 1/2" RSH 50 mcr OT  | 50                     | 1/2"   | 3500          | 390           | 120 | 107 |
| RA6000020   | HYDRA 3/4" RSH 50 mcr OT  | 50                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000021   | HYDRA 1" RSH 50 mcr OT    | 50                     | 1"     | 6000          | 390           | 120 | 107 |
| RA6000026   | HYDRA 1"1/4 RSH 50 mcr OT | 50                     | 1"1/4  | 8000          | 415           | 120 | 107 |

### HOUSINGS WITH PLASTIC BSPP THREADS

| PART NUMBER | MODEL                    | NOMINAL FILTRATION mcr | 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 |
| 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 |
| RA6000035   | HYDRA 1/2" RAH 90 mcr IN | 90                     | 1/2"   | 3500          | 390           | 120 | 107 |
| RA6000036   | HYDRA 3/4" RAH 90 mcr IN | 90                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000037   | HYDRA 1" RAH 90 mcr IN   | 90                     | 1"     | 6000          | 390           | 120 | 107 |
| RA6000070   | HYDRA 1/2" RAH 90 mcr MP | 90                     | 1/2"   | 3500          | 390           | 155 | 107 |
| RA6000071   | HYDRA 3/4" RAH 90 mcr MP | 90                     | 3/4"   | 5000          | 390           | 155 | 107 |
| RA6000072   | HYDRA 1" RAH 90 mcr MP   | 90                     | 1"     | 6000          | 390           | 155 | 107 |
| RA6000042   | HYDRA 1/2" RSH 50 mcr IN | 50                     | 1/2"   | 3500          | 390           | 120 | 107 |
| RA6000043   | HYDRA 3/4" RSH 50 mcr IN | 50                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000044   | HYDRA 1" RSH 50 mcr IN   | 50                     | 1"     | 6000          | 390           | 120 | 107 |
| RA6000080   | HYDRA 1/2" RSH 50 mcr MP | 50                     | 1/2"   | 3500          | 390           | 155 | 107 |
| RA6000081   | HYDRA 3/4" RSH 50 mcr MP | 50                     | 3/4"   | 5000          | 390           | 155 | 107 |
| RA6000082   | HYDRA 1" RSH 50 mcr MP   | 50                     | 1"     | 6000          | 390           | 155 | 107 |

### HOUSINGS WITH PLASTIC NPT THREADS

| PART NUMBER | MODEL                        | NOMINAL FILTRATION mcr | 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 |
| RA6000054   | HYDRA 1/2" RAH 90 mcr NPT IN | 90                     | 1/2"   | 5000          | 390           | 120 | 107 |
| RA6000040   | HYDRA 3/4" RAH 90 mcr NPT IN | 90                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000041   | HYDRA 1" RAH 90 mcr NPT IN   | 90                     | 1"     | 6000          | 390           | 120 | 107 |
| RA6000055   | HYDRA 1/2" RSH 50 mcr NPT IN | 50                     | 1/2"   | 5000          | 390           | 120 | 107 |
| RA6000047   | HYDRA 3/4" RSH 50 mcr NPT IN | 50                     | 3/4"   | 5000          | 390           | 120 | 107 |
| RA6000048   | HYDRA 1" RSH 50 mcr NPT IN   | 50                     | 1"     | 6000          | 390           | 120 | 107 |



## HYDRA M single-stage self-cleaning filters with 2 manometers

### HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                       | NOMINAL FILTRATION mcr | IN/OUT | FLOW RATE l/h | DIMENSIONS mm |     |     |
|-------------|-----------------------------|------------------------|--------|---------------|---------------|-----|-----|
|             |                             |                        |        |               | A             | B   | C   |
| RA6000110   | HYDRA M 1/2" RLH 90 mcr OT  | 90                     | 1/2"   | 3500          | 445           | 120 | 107 |
| RA6000111   | HYDRA M 3/4" RLH 90 mcr OT  | 90                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000112   | HYDRA M 1" RLH 90 mcr OT    | 90                     | 1"     | 6000          | 445           | 120 | 107 |
| RA6000113   | HYDRA M 1"1/4 RLH 90 mcr OT | 90                     | 1"1/4  | 8000          | 460           | 120 | 107 |
| 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 |
| RA6000120   | HYDRA M 1/2" RSH 50 mcr OT  | 50                     | 1/2"   | 3500          | 445           | 120 | 107 |
| RA6000121   | HYDRA M 3/4" RSH 50 mcr OT  | 50                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000122   | HYDRA M 1" RSH 50 mcr OT    | 50                     | 1"     | 6000          | 445           | 120 | 107 |
| RA6000123   | HYDRA M 1"1/4 RSH 50 mcr OT | 50                     | 1"1/4  | 8000          | 460           | 120 | 107 |

## HOUSINGS WITH PLASTIC BSPP THREADS

| PART NUMBER | MODEL                      | NOMINAL FILTRATION mcr | IN/OUT | FLOW RATE l/h | DIMENSIONS mm |     |     |
|-------------|----------------------------|------------------------|--------|---------------|---------------|-----|-----|
|             |                            |                        |        |               | A             | B   | C   |
| RA6000125   | HYDRA M 1/2" RLH 90 mcr IN | 90                     | 1/2"   | 3500          | 445           | 120 | 107 |
| RA6000126   | HYDRA M 3/4" RLH 90 mcr IN | 90                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000127   | HYDRA M 1" RLH 90 mcr IN   | 90                     | 1"     | 6000          | 445           | 120 | 107 |
| 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 |
| RA6000141   | HYDRA M 1/2" RSH 50 mcr IN | 50                     | 1/2"   | 3500          | 445           | 120 | 107 |
| RA6000142   | HYDRA M 3/4" RSH 50 mcr IN | 50                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000143   | HYDRA M 1" RSH 50 mcr IN   | 50                     | 1"     | 6000          | 445           | 120 | 107 |

## HOUSINGS WITH PLASTIC NPT THREADS

| PART NUMBER | MODEL                          | NOMINAL FILTRATION mcr | IN/OUT | FLOW RATE l/h | DIMENSIONS mm |     |     |
|-------------|--------------------------------|------------------------|--------|---------------|---------------|-----|-----|
|             |                                |                        |        |               | A             | B   | C   |
| RA6000130   | HYDRA M 3/4" RLH 90 mcr NPT IN | 90                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000133   | HYDRA M 1" RLH 90 mcr NPT IN   | 90                     | 1"     | 6000          | 445           | 120 | 107 |
| 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 |
| RA6000146   | HYDRA M 3/4" RSH 50 mcr NPT IN | 50                     | 3/4"   | 5000          | 445           | 120 | 107 |
| RA6000147   | HYDRA M 1" RSH 50 mcr NPT IN   | 50                     | 1"     | 6000          | 445           | 120 | 107 |



## HYDRA K DP single-stage self-cleaning filters

### HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                      | NOMINAL FILTRATION mcr | IN/OUT | FLOW RATE l/h | DIMENSIONS mm |     |     |
|-------------|----------------------------|------------------------|--------|---------------|---------------|-----|-----|
|             |                            |                        |        |               | A             | B   | C   |
| RA6000801   | HYDRA K DP 3/4" RLH 90 mcr | 90                     | 3/4"   | 5000          | 430           | 120 | 107 |
| RA6000802   | HYDRA K DP 1" RLH 90 mcr   | 90                     | 1"     | 6000          | 430           | 120 | 107 |
| RA6000803   | HYDRA K DP 3/4" RAH 90 mcr | 90                     | 3/4"   | 5000          | 430           | 120 | 107 |
| RA6000804   | HYDRA K DP 1" RAH 90 mcr   | 90                     | 1"     | 6000          | 430           | 120 | 107 |
| RA6000805   | HYDRA K DP 3/4" RSH 50 mcr | 50                     | 3/4"   | 5000          | 430           | 120 | 107 |
| RA6000806   | HYDRA K DP 1" RSH 50 mcr   | 50                     | 1"     | 6000          | 430           | 120 | 107 |



## HYDRA K DP M single-stage self-cleaning filters with 2 manometers

### HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                        | NOMINAL FILTRATION mcr | IN/OUT | FLOW RATE l/h | DIMENSIONS mm |     |     |
|-------------|------------------------------|------------------------|--------|---------------|---------------|-----|-----|
|             |                              |                        |        |               | A             | B   | C   |
| RA6000811   | HYDRA K DP M 3/4" RLH 90 mcr | 90                     | 3/4"   | 5000          | 460           | 120 | 107 |
| RA6000812   | HYDRA K DP M 1" RLH 90 mcr   | 90                     | 1"     | 6000          | 460           | 120 | 107 |
| RA6000813   | HYDRA K DP M 3/4" RAH 90 mcr | 90                     | 3/4"   | 5000          | 460           | 120 | 107 |
| RA6000814   | HYDRA K DP M 1" RAH 90 mcr   | 90                     | 1"     | 6000          | 460           | 120 | 107 |
| RA6000815   | HYDRA K DP M 3/4" RSH 50 mcr | 50                     | 3/4"   | 5000          | 460           | 120 | 107 |
| RA6000816   | HYDRA K DP M 1" RSH 50 mcr   | 50                     | 1"     | 6000          | 460           | 120 | 107 |



## HYDRA HOT single-stage self-cleaning filters

### HOUSINGS WITH PLASTIC BSPP THREADS

| PART NUMBER | MODEL                            | NOMINAL FILTRATION mcr | IN/OUT | FLOW 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 |
| 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 |



A range of housings is certified by IAPMO R&T against NSF/ANSI Standards 42 - structural integrity only - and CSA B483.1 structural integrity only.

# HYDRA DS

Self-cleaning filters with back-wash and with rotational connection group

Range of self-cleaning filters, performing all features of the standard HYDRA range, provided with 360° rotational connection group for easy installation to horizontal or vertical running pipes.



POINT OF ENTRY



COLD WATER



MAX WORKING PRESSURE

**8 bar (116 psi)**

MIN WORKING PRESSURE

**1,8 bar (26 psi)**



MAX WORKING TEMPERATURE

**45°C (113°F)**

MIN WORKING TEMPERATURE

**4°C (39,2°F)**

## ROTATIONAL GROUP TYPE



MP 3/4\"-1\"  
PLASTIC



MO 3/4\"  
BRASS



MO 1\"  
BRASS



**360°**

## TECHNICAL SPECIFICATIONS

Selected raw materials, suitable for drinking water.

Head: reinforced polypropylene.

Bowl: PET.

O-ring: EPDM.

Breather-valve: body stainless steel, o-ring EPDM.

MP plastic rotational connection group: reinforced nylon.

MO brass rotational connection group: CW 614 N brass.

Rotational connection group gaskets: NBR.

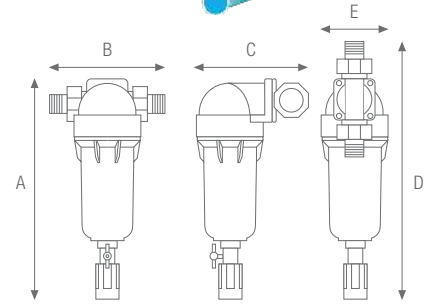
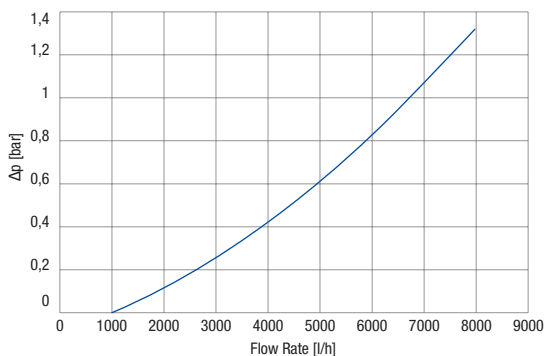
Discharge ball-valve: CW 614 N brass nickel plated.

Drain funnel: reinforced polypropylene.

## FLOW RATE / ΔP:

**IN/OUT 3/4\" - MAX l/h 5300 - ΔP = 0,68 bar**

**IN/OUT 1\" - MAX l/h 6000 - ΔP = 0,85 bar**



## VERSIONS

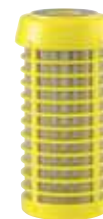


HYDRA DS MP



HYDRA DS MO

## CARTRIDGES



RAH 90 mcr



RLH 90 mcr



RSH 50 mcr

RAH stainless steel net cartridge - CODE RA5000020

RLH plastic net cartridge - CODE RA5000010

RSH pleated plastic net cartridge - CODE RA5000040

## DRAIN FUNNEL

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



## HYDRA DS MP single-stage self-cleanig filters with plastic rotational group

PLASTIC ROTATIONAL GROUP

| PART<br>NUMBER | MODEL                            | NOMINAL<br>FILTRATION mcr | IN/OUT    | FLOW RATE<br>l/h | DIMENSIONS mm |     |     |     |     |
|----------------|----------------------------------|---------------------------|-----------|------------------|---------------|-----|-----|-----|-----|
|                |                                  |                           |           |                  | A             | B   | C   | D   | E   |
| RA6000601      | HYDRA DS MP 3/4" - 1" RLH 90 mcr | 90                        | 3/4" - 1" | 5000             | 428           | 170 | 168 | 479 | 107 |
| RA6000602      | HYDRA DS MP 3/4" - 1" RAH 90 mcr | 90                        | 3/4" - 1" | 5000             | 428           | 170 | 168 | 479 | 107 |
| RA6000603      | HYDRA DS MP 3/4" - 1" RSH 50 mcr | 50                        | 3/4" - 1" | 5000             | 428           | 170 | 168 | 479 | 107 |



## HYDRA DS MO single-stage self-cleanig filters with brass rotational group

BRASS ROTATIONAL GROUP

| PART<br>NUMBER | MODEL                       | NOMINAL<br>FILTRATION mcr | IN/OUT | FLOW RATE<br>l/h | DIMENSIONS mm |     |     |     |     |
|----------------|-----------------------------|---------------------------|--------|------------------|---------------|-----|-----|-----|-----|
|                |                             |                           |        |                  | A             | B   | C   | D   | E   |
| RA6000604      | HYDRA DS MO 3/4" RLH 90 mcr | 90                        | 3/4"   | 4000             | 428           | 170 | 168 | 479 | 107 |
| RA6000605      | HYDRA DS MO 1" RLH 90 mcr   | 90                        | 1"     | 5000             | 428           | 170 | 168 | 479 | 107 |
| RA6000606      | HYDRA DS MO 3/4" RAH 90 mcr | 90                        | 3/4"   | 4000             | 428           | 170 | 168 | 479 | 107 |
| RA6000607      | HYDRA DS MO 1" RAH 90 mcr   | 90                        | 1"     | 5000             | 428           | 170 | 168 | 479 | 107 |
| RA6000608      | HYDRA DS MO 3/4" RSH 50 mcr | 50                        | 3/4"   | 4000             | 428           | 170 | 168 | 479 | 107 |
| RA6000609      | HYDRA DS MO 1" RSH 50 mcr   | 50                        | 1"     | 5000             | 428           | 170 | 168 | 479 | 107 |

# HYDRA DUO | TRIO

Multi-stage self-cleaning filters with back-wash

Exclusive multi-stage filters with self-cleaning pre-filter, for dual and triple stage water filtration and treatment. Second and third stages housings fit to both standard SX (DOE) cartridges and to proprietary BX cartridges.



POINT OF ENTRY



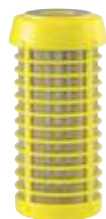
COLD WATER



MAX WORKING PRESSURE  
**BSPP 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)**



RAH 90 mcr  
stainless steel net cartridge  
CODE RA5000020



RLH 90 mcr  
plastic net cartridge  
CODE RA5000010



RSH 50 mcr  
pleated plastic net cartridge  
CODE RA5000040

## CARTRIDGES

## TECHNICAL SPECIFICATIONS

Selected raw 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 614 N brass nickel plated.  
Drain funnel: reinforced polypropylene.

## FLOW RATE / ΔP:

**IN/OUT 1/2"** - MAX l/h 3800 - ΔP = 0,38 bar

**IN/OUT 3/4"** - MAX l/h 5300 - ΔP = 0,68 bar

**IN/OUT 1"** - MAX l/h 6000 - ΔP = 0,85 bar

SEE HYDRA TABLE



## THREADS TYPE

OT  
BRASS BSPP

IN  
PLASTIC BSPP

IN-NPT  
PLASTIC NPT

## VERSIONS



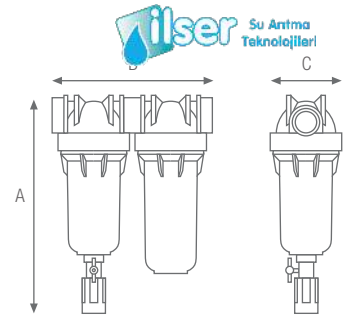
HYDRA DUO



HYDRA TRIO

## DRAIN FUNNEL

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





## HYDRA DUO multi-stage self-cleanig filters

HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                 | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|-----------------------|------------------------|--------|---------------|-----|-----|
|             |                       |                        |        | A             | B   | C   |
| RA6096143   | HYDRA DUO RLH 1/2" OT | 90                     | 1/2"   | 390           | 228 | 107 |
| RA6096153   | HYDRA DUO RLH 3/4" OT | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096163   | HYDRA DUO RLH 1" OT   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096213   | HYDRA DUO RAH 1/2" OT | 90                     | 1/2"   | 390           | 228 | 107 |
| RA6096223   | HYDRA DUO RAH 3/4" OT | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096233   | HYDRA DUO RAH 1" OT   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096171   | HYDRA DUO RSH 1/2" OT | 50                     | 1/2"   | 390           | 228 | 107 |
| RA6096172   | HYDRA DUO RSH 3/4" OT | 50                     | 3/4"   | 390           | 228 | 107 |
| RA6096173   | HYDRA DUO RSH 1" OT   | 50                     | 1"     | 390           | 228 | 107 |

HOUSINGS WITH PLASTIC BSPP THREADS

| PART NUMBER | MODEL                 | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|-----------------------|------------------------|--------|---------------|-----|-----|
|             |                       |                        |        | A             | B   | C   |
| RA6096142   | HYDRA DUO RLH 1/2" IN | 90                     | 1/2"   | 390           | 228 | 107 |
| RA6096152   | HYDRA DUO RLH 3/4" IN | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096162   | HYDRA DUO RLH 1" IN   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096212   | HYDRA DUO RAH 1/2" IN | 90                     | 1/2"   | 390           | 228 | 107 |
| RA6096222   | HYDRA DUO RAH 3/4" IN | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096232   | HYDRA DUO RAH 1" IN   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096175   | HYDRA DUO RSH 1/2" IN | 50                     | 1/2"   | 390           | 228 | 107 |
| RA6096182   | HYDRA DUO RSH 3/4" IN | 50                     | 3/4"   | 390           | 228 | 107 |
| RA6096192   | HYDRA DUO RSH 1" IN   | 50                     | 1"     | 390           | 228 | 107 |

HOUSINGS WITH PLASTIC NPT THREADS

| PART NUMBER | MODEL                     | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|---------------------------|------------------------|--------|---------------|-----|-----|
|             |                           |                        |        | A             | B   | C   |
| RA6096151   | HYDRA DUO RLH 3/4" NPT IN | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096161   | HYDRA DUO RLH 1" NPT IN   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096221   | HYDRA DUO RAH 3/4" NPT IN | 90                     | 3/4"   | 390           | 228 | 107 |
| RA6096231   | HYDRA DUO RAH 1" NPT IN   | 90                     | 1"     | 390           | 228 | 107 |
| RA6096181   | HYDRA DUO RSH 3/4" NPT IN | 50                     | 3/4"   | 390           | 228 | 107 |
| RA6096191   | HYDRA DUO RSH 1" NPT IN   | 50                     | 1"     | 390           | 228 | 107 |



## HYDRA TRIO multi-stage self-cleanig filters

HOUSINGS WITH BRASS BSPP THREADS

| PART NUMBER | MODEL                  | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|------------------------|------------------------|--------|---------------|-----|-----|
|             |                        |                        |        | A             | B   | C   |
| RA6095143   | HYDRA TRIO RLH 1/2" OT | 90                     | 1/2"   | 390           | 336 | 107 |
| RA6095153   | HYDRA TRIO RLH 3/4" OT | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095163   | HYDRA TRIO RLH 1" OT   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095113   | HYDRA TRIO RAH 1/2" OT | 90                     | 1/2"   | 390           | 336 | 107 |
| RA6095223   | HYDRA TRIO RAH 3/4" OT | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095233   | HYDRA TRIO RAH 1" OT   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095173   | HYDRA TRIO RSH 1/2" OT | 50                     | 1/2"   | 390           | 336 | 107 |
| RA6095183   | HYDRA TRIO RSH 3/4" OT | 50                     | 3/4"   | 390           | 336 | 107 |
| RA6095193   | HYDRA TRIO RSH 1" OT   | 50                     | 1"     | 390           | 336 | 107 |

HOUSINGS WITH PLASTIC BSPP THREADS

| PART NUMBER | MODEL                  | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|------------------------|------------------------|--------|---------------|-----|-----|
|             |                        |                        |        | A             | B   | C   |
| RA6095142   | HYDRA TRIO RLH 1/2" IN | 90                     | 1/2"   | 390           | 336 | 107 |
| RA6095152   | HYDRA TRIO RLH 3/4" IN | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095162   | HYDRA TRIO RLH 1" IN   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095112   | HYDRA TRIO RAH 1/2" IN | 90                     | 1/2"   | 390           | 336 | 107 |
| RA6095222   | HYDRA TRIO RAH 3/4" IN | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095232   | HYDRA TRIO RAH 1" IN   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095172   | HYDRA TRIO RSH 1/2" IN | 50                     | 1/2"   | 390           | 336 | 107 |
| RA6095182   | HYDRA TRIO RSH 3/4" IN | 50                     | 3/4"   | 390           | 336 | 107 |
| RA6095192   | HYDRA TRIO RSH 1" IN   | 50                     | 1"     | 390           | 336 | 107 |

HOUSINGS WITH PLASTIC NPT THREADS

| PART NUMBER | MODEL                      | NOMINAL FILTRATION mcr | IN/OUT | DIMENSIONS mm |     |     |
|-------------|----------------------------|------------------------|--------|---------------|-----|-----|
|             |                            |                        |        | A             | B   | C   |
| RA6095141   | HYDRA TRIO RLH 3/4" NPT IN | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095151   | HYDRA TRIO RLH 1" NPT IN   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095221   | HYDRA TRIO RAH 3/4" NPT IN | 90                     | 3/4"   | 390           | 336 | 107 |
| RA6095231   | HYDRA TRIO RAH 1" NPT IN   | 90                     | 1"     | 390           | 336 | 107 |
| RA6095181   | HYDRA TRIO RSH 3/4" NPT IN | 50                     | 3/4"   | 390           | 336 | 107 |
| RA6095191   | HYDRA TRIO RSH 1" NPT IN   | 50                     | 1"     | 390           | 336 | 107 |

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

[www.ilersuaritma.com](http://www.ilersuaritma.com)





**HYDRA**  
self-cleaning filter

 **ATLAS FILTRI**®  
improving water

[www.atlasfiltri.com](http://www.atlasfiltri.com)

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