



CLEAR WATER TO USE

# HYDRA RAINMASTER

MULTI-STAGE RAIN WATER  
TREATMENT UNIT  
WITH SELF-CLEANING PRE-FILTER



COMPANY  
WITH QUALITY MANAGEMENT  
SYSTEM CERTIFIED BY DNV  
=ISO 9001:2000=

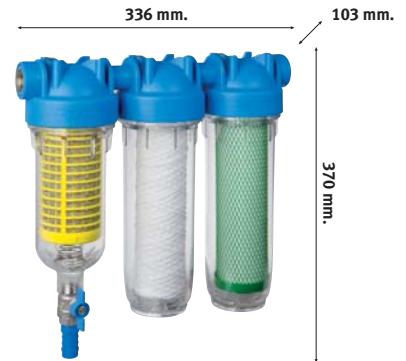


# HYDRA RAINMASTER TRIO

## Triple-stage rain water treatment unit with self-cleaning pre-filter

Recycling rain water is today's must. Clear water is the need. Rain water collected from roof and stored in tanks hardly meets quality levels so that it can be directly used for showers, washing machines, gardening and other domestic uses. **HYDRA RAINMASTER TRIO** is a water treatment unit that allows to achieve high levels in water clearing, performing a self-cleaning/back-washing pre-filter at 90 micron or 50 micron, a further filtration at 25 micron and a final water treatment with activated carbon element capable to remove odors and colors that rain has joined in its path from the roof to storage.

**HYDRA RAINMASTER TRIO** can deliver clear water to house and make rainwater recycling the expected experience. The 3 stage unit is made with a **unique triple housing** performing solidity and safe installation while saving space.



### HOUSING SPECIFICATIONS

Non-toxic materials, suitable for drinking water, in compliance with the UE "Directive 98/83/EC".

**Head:** reinforced polypropylene.

**Bowls:** PET.

**O-rings:** EPDM.

**Breather-valves:** body stainless steel, O-ring EPDM.

**IN/OUT threads:** CW 614 N brass inserts.

**Cartridges spring:** stainless steel AISI 316-L.

**Discharge ball-valve:** CW 614 N brass.

**Discharge hose-holder:** nylon.



**HYDRA RAINMASTER TRIO CB/EC - the flow master:** designed to perform high water flow with low pressure drop.

**Max flow rate at 3 BAR: 5500 l/h.**

**Max pressure drop at max flow rate: 1.7 BAR.**

IN/OUT threads 1/2", 3/4" or 1"

Filtration:

1. Self-cleaning pre-filtration cartridges - RAH: 90 micron stainless steel net AISI 316 - RLH: 90 micron polyester - RSH: 50 micron pleated polypropylene.
2. FA - post-filtration cartridge: 25 micron wound polypropylene thread.
3. CB/EC - treatment cartridge: activated carbon block with final filtration at 10 micron.

**Remark:** CB/EC carbon block element is manufactured with exclusive/proprietary technology to **REDUCE GLOBAL GREEN HOUSE EFFECTS.**



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.



**HYDRA RAINMASTER TRIO LA - the clear master:** designed to perform the highest level in water clearing and reduction of odors and colors.

**Max flow rate at 3 BAR: 2800 l/h.**

**Max pressure drop at max flow rate: 2.4 BAR.**

IN/OUT threads 1/2", 3/4" or 1"

Filtration:

1. Self-cleaning pre-filtration cartridges - RAH: 90 micron stainless steel net AISI 316 - RLH: 90 micron polyester - RSH: 50 micron pleated polypropylene.
2. FA - post-filtration cartridge: 25 micron wound polypropylene thread.
3. LA - treatment cartridge: granular activated carbon (GAC) from coconut shell.

### accessories included

### variants



-X- Spanner



-Trio- wall bracket



wall bracket screws



Brass hose-holder



IN female plastic in/out threads 1/2", 3/4", 1"



# HYDRA RAINMASTER DUO

## Dual-stage rain water treatment unit with self-cleaning pre-filter

Recycling rain water is today's must. Clear water is the need. Rain water collected from roof and stored in tanks hardly meets quality levels so that it can be directly used for showers, washing machines, gardening and other domestic uses. **HYDRA RAINMASTER DUO** is a water treatment unit that allows to achieve high levels in water clearing, performing a self-cleaning/back-washing pre-filter at 90 micron or 50 micron and a final water treatment with activated carbon element capable to remove odors and colors that rain has joined in its path from the roof to storage.

**HYDRA RAINMASTER DUO** can deliver clear water to house and make rainwater recycling the expected experience. The 2 stage unit is made with a **unique double housing** performing solidity and safe installation while saving space.

### HOUSING SPECIFICATIONS

Non-toxic materials, suitable for drinking water, in compliance with the UE "Directive 98/83/EC".

**Head:** reinforced polypropylene.

**Bowls:** PET.

**O-rings:** EPDM.

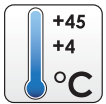
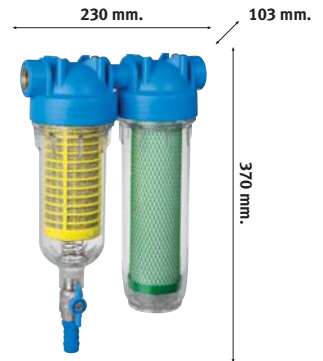
**Breather-valves:** body stainless steel, O-ring EPDM.

**IN/OUT threads:** CW 614 N brass inserts.

**Cartridges spring:** stainless steel AISI 316-L.

**Discharge ball-valve:** CW 614 N brass.

**Discharge hose-holder:** nylon.



**HYDRA RAINMASTER DUO CB/EC - the flow master:** designed to perform high water flow with low pressure drop.

**Max flow rate at 3 BAR: 5700 l/h.**

**Max pressure drop at max flow rate: 1.5 BAR.**

IN/OUT threads 1/2", 3/4" or 1"

Filtration:

1. Self-cleaning pre-filtration cartridges - RAH: 90 micron stainless steel net AISI 316 - RLH: 90 micron polyester - RSH: 50 micron pleated polypropylene.
2. CB/EC - treatment cartridge: activated carbon block with final filtration at 10 micron.

**Remark:** CB/EC carbon block element is manufactured with exclusive/proprietary technology to **REDUCE GLOBAL GREEN HOUSE EFFECTS.**



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.



**HYDRA RAINMASTER DUO LA - the clear master:** designed to perform high level in water clearing and reduction of odors and colors.

**Max flow rate at 3 BAR: 2900 l/h.**

**Max pressure drop at max flow rate: 2.2 BAR.**

IN/OUT threads 1/2", 3/4" or 1"

Filtration:

1. Self-cleaning pre-filtration cartridges - RAH: 90 micron stainless steel net AISI 316 - RLH: 90 micron polyester - RSH: 50 micron pleated polypropylene.
2. LA - treatment cartridge: granular activated carbon (GAC) from coconut shell.

### accessories included



-X- Spanner



-Duo- wall bracket



wall bracket screws



Brass hose-holder

IN female plastic  
in/out threads  
1/2", 3/4", 1"



### variants

# HYDRA RAINMASTER TRIO

| HYDRA RAINMASTER TRIO CB/EC series     | IN/OUT threads | self-cleaning cartridge micron | filter cartridge micron | carbon cartridge micron   | max flow l/h at 3 BAR | press drop BAR at max flow |
|--|----------------|--------------------------------|-------------------------|---------------------------|-----------------------|----------------------------|
| HYDRA RAINMASTER TRIO RAH CB/EC 1/2    | 1/2"           | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 3500                  | 1,7                        |
| HYDRA RAINMASTER TRIO RAH CB/EC 3/4    | 3/4"           | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 4800                  | 1,7                        |
| HYDRA RAINMASTER TRIO RAH CB/EC 1      | 1"             | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 5500                  | 1,7                        |
| HYDRA RAINMASTER TRIO RLH CB/EC 1/2    | 1/2"           | RLH polyester 90 mcr           | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 3500                  | 1,7                        |
| HYDRA RAINMASTER TRIO RLH CB/EC 3/4    | 3/4"           | RLH polyester 90 mcr           | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 4800                  | 1,7                        |
| HYDRA RAINMASTER TRIO RLH CB/EC 1      | 1"             | RLH polyester 90 mcr           | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 5500                  | 1,7                        |
| HYDRA RAINMASTER TRIO RSH CB/EC 1/2    | 1/2"           | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 3500                  | 1,7                        |
| HYDRA RAINMASTER TRIO RSH CB/EC 3/4    | 3/4"           | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 4800                  | 1,7                        |
| HYDRA RAINMASTER TRIO RSH CB/EC 1      | 1"             | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | CB/EC carbon block 10 mcr | 5500                  | 1,7                        |
| <b>HYDRA RAINMASTER TRIO LA series</b> |                |                                |                         |                           |                       |                            |
| HYDRA RAINMASTER TRIO RAH LA 1/2       | 1/2"           | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | LA granular carbon        | 1800                  | 2,5                        |
| HYDRA RAINMASTER TRIO RAH LA 3/4       | 3/4"           | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | LA granular carbon        | 2500                  | 2,5                        |
| HYDRA RAINMASTER TRIO RAH LA 1         | 1"             | RAH stainless steel 90 mcr     | FA wound PP 25 mcr      | LA granular carbon        | 2800                  | 2,5                        |
| HYDRA RAINMASTER TRIO RLH LA 1/2       | 1/2"           | RLH polyester 90 mcr           | FA wound PP 25 mcr      | LA granular carbon        | 1800                  | 2,5                        |
| HYDRA RAINMASTER TRIO RLH LA 3/4       | 3/4"           | RLH polyester 90 mcr           | FA wound PP 25 mcr      | LA granular carbon        | 2500                  | 2,5                        |
| HYDRA RAINMASTER TRIO RLH LA 1         | 1"             | RLH polyester 90 mcr           | FA wound PP 25 mcr      | LA granular carbon        | 2800                  | 2,5                        |
| HYDRA RAINMASTER TRIO RSH LA 1/2       | 1/2"           | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | LA granular carbon        | 1800                  | 2,5                        |
| HYDRA RAINMASTER TRIO RSH LA 3/4       | 3/4"           | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | LA granular carbon        | 2500                  | 2,5                        |
| HYDRA RAINMASTER TRIO RSH LA 1         | 1"             | RSH pleated PP 50 mcr          | FA wound PP 25 mcr      | LA granular carbon        | 2800                  | 2,5                        |

# HYDRA RAINMASTER DUO

| HYDRA RAINMASTER DUO CB/EC series     | IN/OUT threads | self-cleaning cartridge micron | carbon cartridge micron   | max flow l/h at 3 BAR | press drop BAR at max flow |
|---------------------------------------|----------------|--------------------------------|---------------------------|-----------------------|----------------------------|
| HYDRA RAINMASTER DUO RAH CB/EC 1/2    | 1/2"           | RAH stainless steel 90 mcr     | CB/EC carbon block 10 mcr | 3600                  | 1,5                        |
| HYDRA RAINMASTER DUO RAH CB/EC 3/4    | 3/4"           | RAH stainless steel 90 mcr     | CB/EC carbon block 10 mcr | 5000                  | 1,5                        |
| HYDRA RAINMASTER DUO RAH CB/EC 1      | 1"             | RAH stainless steel 90 mcr     | CB/EC carbon block 10 mcr | 5700                  | 1,5                        |
| HYDRA RAINMASTER DUO RLH CB/EC 1/2    | 1/2"           | RLH polyester 90 mcr           | CB/EC carbon block 10 mcr | 3600                  | 1,5                        |
| HYDRA RAINMASTER DUO RLH CB/EC 3/4    | 3/4"           | RLH polyester 90 mcr           | CB/EC carbon block 10 mcr | 5000                  | 1,5                        |
| HYDRA RAINMASTER DUO RLH CB/EC 1      | 1"             | RLH polyester 90 mcr           | CB/EC carbon block 10 mcr | 5700                  | 1,5                        |
| HYDRA RAINMASTER DUO RSH CB/EC 1/2    | 1/2"           | RSH pleated PP 50 mcr          | CB/EC carbon block 10 mcr | 3600                  | 1,5                        |
| HYDRA RAINMASTER DUO RSH CB/EC 3/4    | 3/4"           | RSH pleated PP 50 mcr          | CB/EC carbon block 10 mcr | 5000                  | 1,5                        |
| HYDRA RAINMASTER DUO RSH CB/EC 1      | 1"             | RSH pleated PP 50 mcr          | CB/EC carbon block 10 mcr | 5700                  | 1,5                        |
| <b>HYDRA RAINMASTER DUO LA series</b> |                |                                |                           |                       |                            |
| HYDRA RAINMASTER DUO RAH LA 1/2       | 1/2"           | RAH stainless steel 90 mcr     | LA granular carbon        | 1900                  | 2,2                        |
| HYDRA RAINMASTER DUO RAH LA 3/4       | 3/4"           | RAH stainless steel 90 mcr     | LA granular carbon        | 2600                  | 2,2                        |
| HYDRA RAINMASTER DUO RAH LA 1         | 1"             | RAH stainless steel 90 mcr     | LA granular carbon        | 2900                  | 2,2                        |
| HYDRA RAINMASTER DUO RLH LA 1/2       | 1/2"           | RLH polyester 90 mcr           | LA granular carbon        | 1900                  | 2,2                        |
| HYDRA RAINMASTER DUO RLH LA 3/4       | 3/4"           | RLH polyester 90 mcr           | LA granular carbon        | 2600                  | 2,2                        |
| HYDRA RAINMASTER DUO RLH LA 1         | 1"             | RLH polyester 90 mcr           | LA granular carbon        | 2900                  | 2,2                        |
| HYDRA RAINMASTER DUO RSH LA 1/2       | 1/2"           | RSH pleated PP 50 mcr          | LA granular carbon        | 1900                  | 2,2                        |
| HYDRA RAINMASTER DUO RSH LA 3/4       | 3/4"           | RSH pleated PP 50 mcr          | LA granular carbon        | 2600                  | 2,2                        |
| HYDRA RAINMASTER DUO RSH LA 1         | 1"             | RSH pleated PP 50 mcr          | LA granular carbon        | 2900                  | 2,2                        |

## cartridges assortment



RAH cartridge  
90 micron  
stainless steel net AISI 316



RLH cartridge  
90 micron  
polyester net



RSH cartridge  
50 micron  
pleated polypropylene net



FA cartridge  
25 micron  
wound polypropylene



LA cartridge  
granular carbon



CB/EC cartridge 10 micron  
carbon block



**CB-EC is the only environmentally friendly carbon block element, made with a proprietary technology reducing green house gas emissions in activated carbon production.**

cartridge variant  
CB/EC cartridge 20 micron carbon block

