



Hydra DP Big TRIO Filtration System

Point-of-Entry, Large Sediment Filtration Reduction

Designed for whole house applications with the patented Self-Cleaning Design

Atlas Filtri® DP Big Hydra, Self-Cleaning Filtration Technology, is design for the reduction of large particles and heavy amounts of sediment in the water supply. The secondary housings allow for various types of filter cartridge options depending upon the application

The unique filter system automatically back-washes from the center of the cartridge out when the drain valve is opened. The product line offers a proprietary stainless steel or polypropylene filter cartridge in 50 or 90-micron. Flow rates vary from 40 GPM to 60 GPM

The manual flush design causes the filter cartridge to compress against the spring, which redirects the water to the center of the cartridge out moving sediment off the surface to drain. When the ball valve is closed the cartridge returns to service mode. The secondary housings accept double open ended 4.5x20" cartridges and canisters

The housings are available in plastic or lead-free brass inserts in 1" FNPT or in 1.5" FNPT plastic only. Pressure rating is 120PSI and maximum working temperature is 113°F. Standard head unit is reinforced polypropylene and sump is PET. The secondary sumps are polypropylene Blue or Clear housings and the O-ring is EPDM

The units are available in a variety of system designs that include gauges and drain kits

Atlas Filtri™ is driven to providing our customer with the best available products to meet specific filtration requirements. This is done by using the most advanced manufacturing and design methods. The international patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri™ at www.atlasfiltri.com



Features

- Designed for residential, well, irrigation and light commercial filtration applications
- Accommodates proprietary stainless or polypropylene filter cartridges
- 1" FNPT or 1.5" FNPT inlet and outlet fitting connections
- Lead free brass inserts available in 1" FNPT only
- Includes pressure-relief feature that includes an O-ring seal. No spring is used that can result in water leaks
- Knife-edge seal eliminating by-pass
- Proprietary designed filtration cartridge for high flow applications
- Secondary housings offer a variety of options for various applications

Specifications

Materials:

Head Connection: reinforced polypropylene
Hydra Housing Construction: PET
Secondary Housing Construction: reinforced polypropylene

Seal: Silicone O-ring

Working conditions:

Working temperature range:
Min 39.2°F (4°C) – Max 113°F (45°C)

Working pressure range:

Maximum 120 PSI (8.3 BAR)
Minimum 26 PSI (1.8 BAR)

Minimum Flow Rate:

Stainless Steel Design (RAH) 8.8 GPM
Polypropylene Design (RLH) 10.5 GPM

DP Big Hydra Filtration System
Self-Cleaning Filter Design
50 or 90 Micron

Stainless Steel or Polypropylene
Filter Cartridge



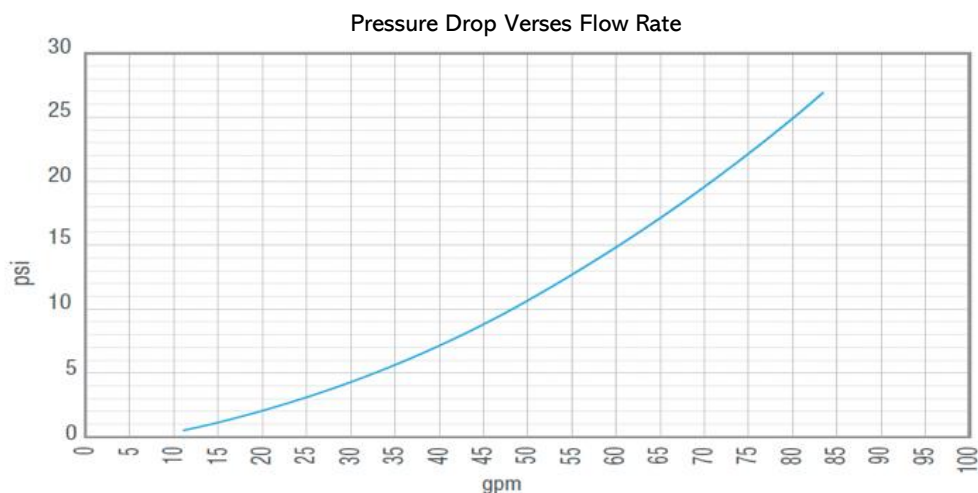
HYDRA BIG self-cleaning filter series is certified by IAPMO R&T against NSF/ANSI Standards 42, 61, 372 and CSA B483.1 for material safety, structural integrity and lead-free requirements

PRODUCT SPECIFICATION and PERFORMANCE

Hydra DP Big TRIO - FNPT Threads with Stainless Steel or Polypropylene Filter Cartridges

Patented Self-Cleaning Filtration Technology Incorporated into a Patented Two Head Single Molded Manifold

PART NUMBER	MODEL	NOMINAL FILTRATION mcr	IN/OUT	MAX FLOW RATE l/h	MAX FLOW RATE gpm
ZA1803621L	Kit BIG TRIO 20" - Clear - Standard - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM
ZA1803622L	Kit BIG TRIO 20" - Blue - Standard - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM
ZA1803655L	Kit BIG TRIO 20" - Clear - Ports for Gauges & Drain Kit - Metal Inserts - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM
ZA1803656L	Kit BIG TRIO 20" - Blue - Ports for Gauges & Drain Kit - Metal Inserts - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM
ZA1803737	Kit BIG TRIO 20" - Blue - 4 Gauges & 3 Drains Kits - Metal Inserts - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM
ZA1803745L	Kit BIG TRIO 20" - Clear - 4 Gauges & 3 Drains Kits - Metal Inserts - Bracket - Wrench	90-Micron	1" FNPT	6000	20GPM



RAH stainless steel
filter cartridge
50 micron - RA5001015
90 micron - RA5001020



RLH polypropylene - Optional
filter cartridge
50 micron - RA5001005
90 micron - RA5001010



DP Big O-ring
AA7530215
Included

Optional Secondary Filter Cartridge Types

Melt Blown, String Wound, Washable Screen, Carbon Block and Scale Armor™ Technology Available Inside



Washable Big Screen Filter
RA5017514 50-Micron
RA5465519 70-Micron
RA5017515 100-Micron



String Wound Polypropylene
RE5117506 1-Micron
RE5117508 5-Micron
RE5117511 25-Micron
RE5117514 50-Micron



Melt Blown Polypropylene
RE5706906 1-Micron
RE5706908 5-Micron
RE5706911 25-Micron
RE4520GD2501 25 to 1-Micron
RE5706952 25 to 5-Micron
RE5706954 50 to 25-Micron



Melt Blown & Scale Reduction
RA5777608 5-Micron
RA5777611 25-Micron



CTO
Chlorine Taste
& Odor
RE4520CT5

CTO & Scale
RE4520CS5



VOC & CTO
Volatile Organic
Chemicals
RE4520V05



Chloramine
VOC & CTO
RE4520CLM

Chloramine &
Scale
RE4520CLS



Lead
VOC & CTO
RE4520P05



GAC
Granulated Activated
Carbon
RA5187225



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