

DP BIG filter housings

Big design filter housings for full-flow applications

Atlas Filtri DP BIG housings are specifically designed for cartridges with an outer diameter of 4.5" (from 4.0" to 4.5" applicable) and a pressure rating of 120 PSI.

Available with NPT tapered IN/OUT connections in 1" and 1 1/2", the housings adapt to any large capacity filtration or heavy duty application.

DP BIG housings are available in blue or clear sumps and are offered in 10" or 20" lengths. Head assemblies in the double and triple version are patented and uniquely designed as a single manifold unit. This exclusive design reduces labor costs and liability of water leaks, making installation faster and easier, saving both time and money.

Unique optional features include single, double and triple manifolds equipped with a drain port at the bottom of the housing and gauge connections at the top. Gauges and drain kits are offered separately, as needed for the design of the system.

All DP BIG housings are provided with a specially designed wrench to remove the housing sump from the head assembly as well as the drain plug from the bottom of the housing sump. An exclusive blue colored O-ring is used on the sump to ensure proper selections when servicing the filter. This avoids confusion in the market where a wrong competitive black O-ring is used and may be subject to leaks. A food grade lubricant called LubriKit is provided to properly lubricate the sump housing o-ring.

Atlas Filtri is driven to providing our customers with the best available products to meet their filtration requirements. This is done by using the most advanced manufacturing and design methods, which is why we can bring you the highest-pressure rating of any filtration housing on the market. 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

- MONO/single, DUO/double or TRIO/triple unique manifold heads.
- Optional gauge and drain ports.
- Metal Stand Frame available.
- Suitable for cartridges up to 4.5".
- Available in 10" and 20" lengths.
- Clear and blue sumps with same pressure rating at 120 psi.
- NPT connection ports 1" and 1 1/2".
- Pressure-relief feature includes an O-ring seal, no spring is used that can result in a water leak.
- Uniquely threaded wall mount bracket screw ports on all heads for ease of installation.
- Accessories included are a housing wrench and LubriKit for O-ring lubrication.



SPECIFICATIONS

Materials:

Heads: reinforced polypropylene.
Blue sumps: reinforced polypropylene.
Clear sumps: PET.
O-rings: EPDM.

Working conditions

for all versions of DP BIG housings:

Working pressure: Max 120 psi (8.3 bar).
Working temperature range:
Min 39.2°F (4°C) - Max 113°F (45°C).

CERTIFICATIONS



Housings certified by IAPMO RT to NSF/ANSI 42, 61, 372 - lead free, CSA B483.1. In compliance with drinking water regulations, USA and Canada.

PRODUCTS SPECIFICATIONS and PERFORMANCE

Listed PS PM models come with gauge plugs and drain plugs. Specifications apply also to unplugged models and to F models with floor stand FRAME.

PART NO.	MODEL	FILTER H	IN/OUT	MAX DIMENSIONS HxW	PRESSURE DROP@FLOW RATE
RA1701745	DP Big PS PM 10 Mono 1 NPT IN TS	10"	1"	15.35"x7.48" (390x190mm)	0.44psi@15gpm (0.03bar@57lpm)
RA1701945	DP Big PS PM 10 Mono 1 1/2 NPT IN TS	10"	1"1/2	15.35"x7.48" (390x190mm)	0.73psi@20gpm (0.05bar@76lpm)
RA1801745	DP Big PS PM 20 Mono 1 NPT IN TS	20"	1"	25.47"x7.4" (647x190mm)	0.44psi@15gpm (0.03bar@57lpm)
RA1801945	DP Big PS PM 20 Mono 1 1/2 NPT IN TS	20"	1"1/2	25.47"x7.4" (647x190mm)	0.73psi@20gpm (0.05bar@76lpm)
RA1701746	DP Big PS PM 10 Mono 1 NPT IN AB	10"	1"	15.35"x7.48" (390x190mm)	0.44psi@15gpm (0.03bar@57lpm)
RA1701946	DP Big PS PM 10 Mono 1 1/2 NPT IN AB	10"	1"1/2	15.35"x7.48" (390x190mm)	0.73psi@20gpm (0.05bar@76lpm)
RA1801746	DP Big PS PM 20 Mono 1 NPT IN AB	20"	1"	25.47"x7.4" (647x190mm)	0.44psi@15gpm (0.03bar@57lpm)
RA1801946	DP Big PS PM 20 Mono 1 1/2 NPT IN AB	20"	1"1/2	25.47"x7.4" (647x190mm)	0.73psi@20gpm (0.05bar@76lpm)
RA1702755	DP Big PS PM 10 Duo 1 NPT IN TS	10"	1"	15.94"x15.35" (405x390mm)	0.87psi@15gpm (0.06bar@57lpm)
RA1702955	DP Big PS PM 10 Duo 1 1/2 NPT IN TS	10"	1"1/2	15.94"x15.35" (405x390mm)	1.45psi@20gpm (0.1bar@76lpm)
RA1802755	DP Big PS PM 20 Duo 1 NPT IN TS	20"	1"	26.38"x15.35" (670x390mm)	0.87psi@15gpm (0.06bar@57lpm)
RA1802955	DP Big PS PM 20 Duo 1 1/2 NPT IN TS	20"	1"1/2	26.38"x15.35" (670x390mm)	1.45psi@20gpm (0.1bar@76lpm)
RA1702756	DP Big PS PM 10 Duo 1 NPT IN AB	10"	1"	15.94"x15.35" (405x390mm)	0.87psi@15gpm (0.06bar@57lpm)
RA1702956	DP Big PS PM 10 Duo 1 1/2 NPT IN AB	10"	1"1/2	15.94"x15.35" (405x390mm)	1.45psi@20gpm (0.1bar@76lpm)
RA1802756	DP Big PS PM 20 Duo 1 NPT IN AB	20"	1"	26.38"x15.35" (670x390mm)	0.87psi@15gpm (0.06bar@57lpm)
RA1802956	DP Big PS PM 20 Duo 1 1/2 NPT IN AB	20"	1"1/2	26.38"x15.35" (670x390mm)	1.45psi@20gpm (0.1bar@76lpm)
RA1703755	DP Big PS PM 10 Trio 1 NPT IN TS	10"	1"	15.94"x23.22" (405x590mm)	1.45psi@15gpm (0.1bar@57lpm)
RA1703955	DP Big PS PM 10 Trio 1 1/2 NPT IN TS	10"	1"1/2	15.94"x23.22" (405x590mm)	2.40psi@20gpm (0.16bar@76lpm)
RA1803755	DP Big PS PM 20 Trio 1 NPT IN TS	20"	1"	26.38"x23.22" (670x590mm)	1.45psi@15gpm (0.1bar@57lpm)
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ACCESSORIES INCLUDED

RE9020650 LUBRIKIT - O-Ring Lubricant
RB7403019 DP BIG BLACK WRENCH

ACCESSORIES ON DEMAND/ORDER SEPARATELY

RB7401032 METAL WALL BRACKET DP BIG MONO ZINC PLATED
RB7401040 METAL WALL BRACKET DP BIG MONO WHITE FINISH
RB7401043 METAL WALL BRACKET DP BIG DUO WHITE FINISH
RB7401044 METAL WALL BRACKET DP BIG TRIO WHITE FINISH
RB7401051 LEGS KIT 10" FOR DP BIG WALL BRACKETS - w/screws
RB7401052 LEGS KIT 20" FOR DP BIG WALL BRACKETS - w/screws
RB7401047 Stand FRAME DP BIG DUO 10 - w/screws
RB7401048 Stand FRAME DP BIG DUO 20 - w/screws
RB7401049 Stand FRAME DP BIG TRIO 10 - w/screws
RB7401050 Stand FRAME DP BIG TRIO 20 - w/screws
LB7221134 FRAME DP BIG GROUND FIXING KIT of screws
LB7221129 DRAIN KIT for DP BIG
AA9020638 Pressure GAUGE for DP BIG

SPARE PARTS

AA7530215 DP BIG SUMP O-RING BLUE
LA9062106 KIT of 4 M8x25* screws and washers for DP BIG Wall Bracket

* M8x25 are mandatory dimensional specs for screws. DP BIG ports for wall bracket screws are threaded. Do not use screws with dimensional specs different from the specification.



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