



# PENTAIR HOUSINGS







A BROAD RANGE OF SUPERIOR  
HOUSINGS FROM THE LEADER  
IN WATER FILTRATION

FILTRATION SOLUTIONS

Pentair housings are known for their high quality and reliability. They represent the industry-standard filter and bag housings of today and are the foundation for the filtration products that Pentair offers. Pentair stainless steel housings allow professionals to service sensitive industrial applications with peace of mind.

## The complete range of Pentair housings

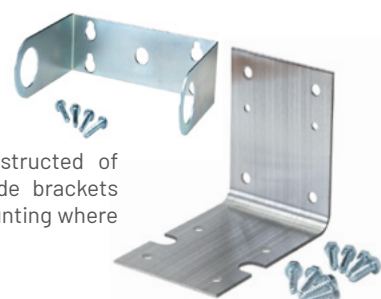
PLASTIC HOUSINGS		Polypropylene housings					Pure Polypropylene housings	Nylon housings
		Standard housings	Valve in head housings	Slim line housings	3G standard housings	Big blue housings	All natural housings	High temperature housings
								
Benefits		Ideal for a wide range of applications including residential, commercial and industrial	Same design and applications as standard housings with an internal valve-in-head which allows both inlet and outlet ports to be simultaneously shut off with a half turn of the handle. No need of external shut-off valves	Slim design allows to reduce the space for narrow installations without sacrificing capacity	Include integral brackets and caps for differential pressure gauges	Large capacity housings suitable for high flow and heavy sediment applications. It allows greater cartridge capacity and reduces the number of vessels required	The pure polypropylene composition maintains high standards of purity and performance required in critical contamination control systems and processes. These housings can also be used for a variety of other applications where purity, quality, filtration and economy are required	Ideal for a wide range of industrial applications including those involving organic solvents, sea water, alcohol, petroleum and vegetable oils thanks to the ability of these housings to withstand temperatures up to 73°C
Length(s)		10, 20"	10"	5, 10, 20"	10, 20"	10, 20"	12, 20"	10"
Inlet/outlet ports		¾" BSP	¾" BSP	¼, ⅜, ½" BSP	¾" BSP	¾, 1, 1-½" BSP	¾" BSP	¾, ½" NPT
Material used (Head/Sump)*		Black/blue (PP), Blue (PP)/clear (SAN)	Black/blue (PP), Blue (PP)/clear (SAN)	Black/blue (PP), Blue (PP)/clear (SAN)	Black/blue (PP), Blue (PP)/clear (SAN)	Black/Blue (PP)	White pure PP	Glass reinforced Nylon (black or red)
Pressure relief		Available	Available	Available	Available	Available	Not available	Not available
Certifications		ACS for some references and NSF/ANSI Standard 42	NSF/ANSI Standard 42	ACS for some references and NSF/ANSI Standard 42	ACS for some references and NSF/ANSI Standard 42	ACS for some references and NSF/ANSI Standard 42	Not available	Not available

STAINLESS STEEL HOUSINGS		CFHC housing for cartridges	CFHF housing for cartridges	CFHD housing for cartridges	BFHC housing for single bag			BFHF housing for single bag	BFHM housing for bags
									
Design type		Clamp type	Flange type	Davit type	Clamp type	Flange type	Multi bag		
Working pressure		7 bar	7 bar (HP and big blue versions: 10 bar)	10 bar	7 bar	10 bar (HP version: 14 bar)	10 bar		
Material		SS 304 or SS316L	SS 304 or SS316L	SS 304 or SS316L	SS 304 or SS316L	SS 304 or SS316L	SS 304 or SS316L		
Drain connection		½"	½ or ¾" (½; ¾ or 1" for big blue versions)	½; ¾; 1; 1½ or 2"	Standard 1; 2; 3 or 4	Standard 1; 2; 3 or 4	Standard 2		
Vent		¼"	¼"	¼ or ½"	1	1	From 2 to 18		
Inlet/Outlet		1½; 2 or 3" (threaded)	1½ or 2" (threaded, flanged if HP or big blue versions) or 2½ or 3" - 4" for HP and big blue versions - (flanged)	3; 4; 6 or 8" (flanged)	1 or 2"	1 or 2"	3; 4; 5; 6; 8; or 10"		

### ACCESSORIES

#### Mounting Brackets

Available for each type of housings, constructed of zinc-plated steel or aluminium, they include brackets and screws and allow a quick and simple mounting where needed for each installation.



#### Wrenches

Available for all types of housings and used to loosen up when changing the cartridge.



### BIG BLUE BAG VESSEL ASSEMBLIES

Ready-to-use assemblies, delivered with gauge, wrench and a ⅜" drain valve.

- Lengths: 10, 20"
- Inlet/outlet ports: 1, 1½" BSP (or NPT in some cases)
- Head/Sump: black/blue (PP)
- Pressure relief: available

### \*MATERIALS USED WITH OUR HOUSINGS

#### Nylon

A thermoplastic material which can withstand temperatures up to 73°C. It is well known for its excellent chemical compatibility as well as durability.

#### Polypropylene (PP)

A thermoplastic polymer used in a wide variety of applications. Main features: high chemical and corrosion resistance, light weight and rigid, easy to maintain and clean.

#### Santoprene (SAN)

The best example of thermoplastic rubber, able to withstand extreme cold and hot weather conditions. Recyclable, flexible and durable, its use is ideal in residential and commercial housings.



## CHEMICAL COMPATIBILITY CHART

CHEMICAL	TEMP (°C) **	% CONCENTRATION **	RAW MATERIAL						
			POLY- PROPYLENE TF	SAN	NYLON GF	300 SERIES STAINLESS	BUNA-N	SILICONE	VITON E-60
Acetone	51.5	100	A	D	B	A	D	B	D
Beer	51.5	Any*	A	A	D	A	D	C	A
Calcium hypochlorite	20	20	A	-	D	D	B	C	A
Detergents	51.5	2	A	A	A	-	A	-	A
Hydrochloric acid	51.5	20	A	A	D	-	C	-	A
Hydrofluoric acid	20	40	A	-	D	-	D	-	A
Hydrogen peroxide	20	30	A	-	D	-	D	-	A
Inks	51.5	-	A	B	A	A	A	-	A
Lubricating oils	51.5	100	C	A	A	A	A	C	A
Olive oil	51.5	100	A	A	A	A	A	C	A
Plating solutions	51.5	-	A*	-	A/D*	-	A*	D	A
Sodium compounds	51.5	Any*	A	A	A/C*	B	A	C	A
Sodium hypochlorite	37.5	5	A	A	A	B	A	C	A
Sulfuric acid	20	25	A	A	D	-	C	-	A
Hot water	93	100	-	-	A	A	C	A	B
DI water	51.5	100	B	A	A	-	A	A	A
Sea water	51.5	100	A	B	A	-	A	-	A
Whiskey/wines	51.5	-	A	A	A	A	A	-	A

NOTICE: we cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination. Users are advised to make their own tests to determine the safety and suitability of each product or product combination for their own purposes and applications.



\* Consult factory for specific compound  
 \*\* Testing conditions  
 TF = Talc filled  
 GF = Glass filled

A = Negligible effect  
 B = Limited absorption attack  
 C = Extensive absorption and/or rapid permeation  
 D = Extensive attack

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