



PENTEK® 3G Standard

Filter Housings



20" IB/MM Opaque
with 143549 Meter*

20" IB Clear

10" IB Clear

At Pentair we started from the ground up, utilizing our 35 years of experience, to create the unique and innovative **3G** design. This design features integral brackets, 20" clear housings, and caps for differential pressure gauges. The **3G housings** accept standard double open end (DOE) cartridges.

3G Standard Filter Housings are manufactured from durable polypropylene or clear Styrene-Acrylonitrile (SAN). Reinforced polypropylene housings have excellent chemical resistance and are ideal for many residential, commercial and industrial application. Clear sumps are manufactured from SAN. They offer on-site examination of the cartridge and have excellent chemical compatibility.

All are equipped with 3/4" NPT inlet and outlet ports.

3G Standard Filter Housings are available in 10" and 20" lengths and will accommodate a wide range of 2-1/4" to 3-1/8" diameter cartridges.

Product Features

- Integral bracket and mounting boss cap versions available
- Available in 10" and 20" sumps in clear and opaque
- Buttress threads and uniform walls for easier cartridge change and improved strength
- Accepts standard DOE cartridges
- Optional pressure-relief/bleed button and differential pressure gauge
- Leak-proof sealing with top-seated floating Buna-N o-ring



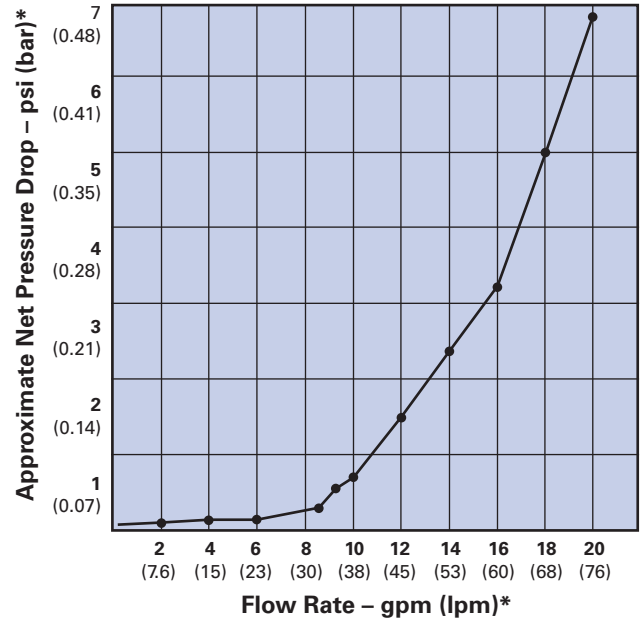
**Pentair
Water**

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* Shown with differential gauge. Gauges sold separately.



*Pressure drop and flow rate based on housing without cartridge.



Filter Housings Tested and Certified by NSF International to NSF/ANSI Standard 42 for material and structural integrity requirements.

Housing Specifications and Performance Data

Model	Maximum Dimensions	Initial psi @ Flow Rate (gpm)	Max. Temp.	Max. Pressure
3G #10 Blue or Clear MB	12-3/4" x 5-3/8" (324 mm x 137 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)
3G #10 Blue or Clear IB	13-1/4" x 5-3/4" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)
3G #10 Blue IB/MM*	13-1/4" x 5-3/4" (337 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)
3G #20 Blue or Clear MB	23" x 5-3/8" (597 mm x 137mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)
3G #20 Blue or Clear IB	23-1/2" x 5-3/4" (597 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)
3G #20 Blue IB/MM*	23-1/2" x 5-3/4" (597 mm x 146 mm)	1 psi @ 10 gpm (0.07 bar @ 38 Lpm)	125°F (51.7°C)	125 psi (8.62 bar)

MB = Mounting bosses for MC-1A bracket IB = Integral Bracket MM = Meter Mount
*Height does not include meter. Add 1-1/4" for 143549 gauge and 1/2" for 143550 gauge.



** 143549

** 143550

** Gauges sold separately.

Model	Accessories
150578	Mounting Bracket
150295	Wrench
143549	3-color gauge
143550	2-color gauge

Materials of Construction

Housing	Polypropylene (Opaque) or Styrene Acrylonitrile (Clear)
Cap	Reinforced Polypropylene
Button Assembly	300-series Stainless Steel, EPDM, and Polypropylene
O-Ring	#241 Buna-N (151120)

CAUTION: Protect against freezing to prevent cracking of the filter and water leakage.



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