



# PENTEK® 3G Slim Line®

## Filter Housings

**3G Slim Line® Housings** are the perfect choice for low-flow filtration applications. Their slim design and high chemical compatibility make them ideal for those challenging applications.

Caps are manufactured from reinforced polypropylene in black, blue, and white. Three different style caps add to the flexibility of these housings. The mounting boss cap allows the housing to be mounted to a single or multiple housing bracket.

The bracket is built into the integral bracket cap. The meter mount cap's gauges indicate when the cartridge is dirty and allow you to get the most out of your cartridges.

Housings are available with either clear or opaque sumps. The clear housings are manufactured of Styrene-Acrylonitrile (SAN) and are stress relieved through a special process for added strength and clarity. Clear housings offer on-site examination of the flow, cartridge life and performance. Opaque housings are molded from reinforced polypropylene and offer outstanding chemical compatibility.

Typical applications for the **3G Slim Line Housings** include, but are not limited to, undersink residential filtration, pre- and post reverse osmosis systems, recreational vehicle filtration, and food service.

### Product Features

- 10" housings available with clear or opaque sump
- Buttress threads for additional strength and easier cartridge changes
- John Guest and NPT threaded connections offered in 1/4", 3/8", and 1/2"
- Cap styles include mounting boss, integral bracket, meter mount and optional pressure relief bleed valve
- Housing accepts DOE (double open end) cartridges
- Leak-proof sealing with a top-seated floating Buna-N o-ring
- Pressure relief button helps reduce pressure in housing when changing cartridges



10" IB Clear

10" IB Opaque

10" MB Clear

# PENTEK® 3G Slim Line®

## Filter Housings

10" IB/MM Opaque  
w/143549 Meter\*

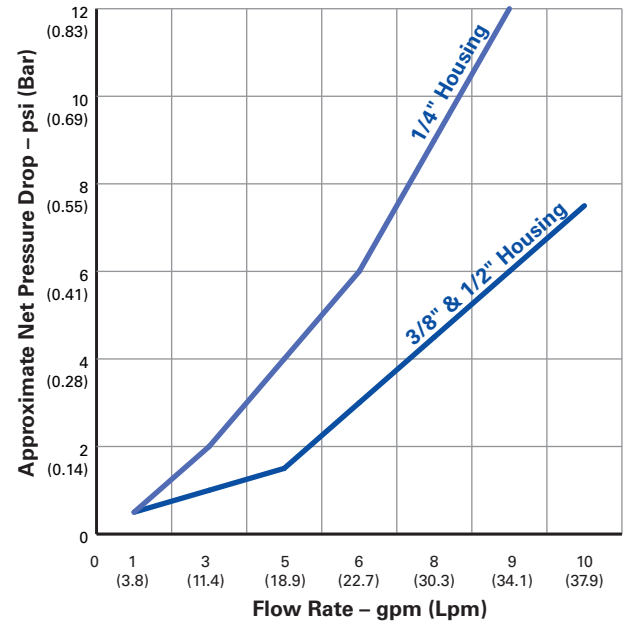
10" IB Clear



10" MB Opaque

10" MB Clear

\* Shown with differential gauge. Gauges are not performance tested or certified by NSF.



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)	Maximum Temperature	Maximum Pressure
1/4" #10 3G Slim Line MB	11-3/4" x 4-3/4" (298 mm x 121 mm)	2 psi @ 3 gpm (0.14 bar @ 11 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
1/4" #10 3G Slim Line IB	13-3/4" x 5-3/8" (340 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
1/4" #10 3G Slim Line IB/MM	13-3/4" x 5-3/8" (340 mm x 137 mm)	2 psi @ 3 gpm (0.14 bar @ 11 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
3/8" #10 3G Slim Line MB	11-3/4" x 4-3/4" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
3/8" #10 3G Slim Line IB	13-3/8" x 5-3/8" (340 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
1/2" #10 3G Slim Line MB	11-3/4" x 4-3/4" (298 mm x 121 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
1/2" #10 3G Slim Line IB	13-3/8" x 5-3/8" (340 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)	125°F (51.7°C)	125 psi (8.62 bar)
1/2" #10 3G Slim Line IB/MM	13-3/8" x 5-3/8"* (340 mm x 137 mm)	2 psi @ 5 gpm (0.14 bar @ 19 L/min)	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.

### Materials of Construction

Housing	Polypropylene (Opaque) or Styrene Acrylonitrile (Clear)
Cap	Reinforced Polypropylene
Button Assembly	300-series Stainless Steel, EPDM, and Polypropylene
O-Ring	#237 Buna-N (151121)

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



\*\* 143549

\*\* 143550

\*\* Gauges sold separately.

Model	Accessories
143549	3-color gauge
143550	2-color gauge
244047	Mounting Bracket
150539	Wrench



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