



2050/2060/2070 Series High Pressure Filter Assemblies

Features

- Ultipor® III or Rigimesh® stainless steel media
- Flows to 75 lpm (20 gpm)
- Pressures:
2050 Series: 690 bar (10,000 psi)
2060 Series: 1034 bar (15,000 psi)
2070 Series: 1379 bar (20,000 psi)
- Port sizes: $\frac{3}{8}$ " to $\frac{3}{4}$ "

Notes and Specifications

Maximum Working Pressure:

2050 series:	690 bar (10,000 psi)
2060 series:	1000 bar (14,500 psi)
2070 series:	1379 bar (20,000 psi)

Proof Pressure:

2050 series:	1034 bar (15,000 psi)
2060 series:	1500 bar (21,750 psi)
2070 series:	2068 bar (30,000 psi)

Typical Burst Pressure:

2050 series:	2758 bar (40,000 psi)
2060 series:	3490 bar (50,750 psi)
2070 series:	5516 bar (80,000 psi)

Temperature Range:

Nitrile seals: -43°C to 107°C
(-45°F to 225°F)
Fluorocarbon Seals:
-29°C to 120°C (-20°F to 250°F)
60°C (140°F) maximum in HWCF
or water glycol fluids with
Ultipor III media

Filter Element

Collapse Pressure:

9020 series: 20 bar (290 psid);
9021 series: 207 bar (3000 psid);
310 bar (4500 psid) with Rigimesh
all stainless steel media
(NK or NJ options)

Materials of Construction:

Stainless steel; titanium bowl
(2070/71)

Element Construction:

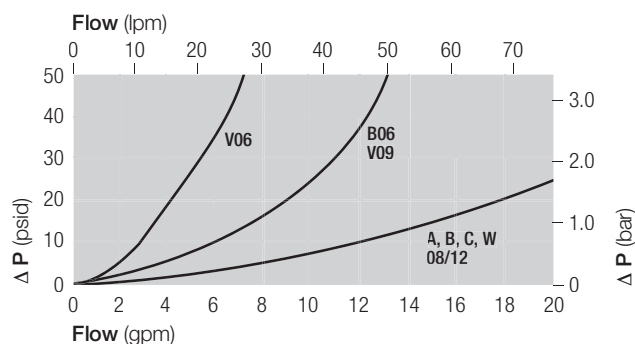
Ultipor III: Inorganic fibers impreg-
nated and bonded with epoxy
resins; stainless steel hardware.
Rigimesh: All stainless steel (no
resin binders)

Pressure Drop Information

Figure 1. Housing pressure drop using fluid with 0.9 S.G.

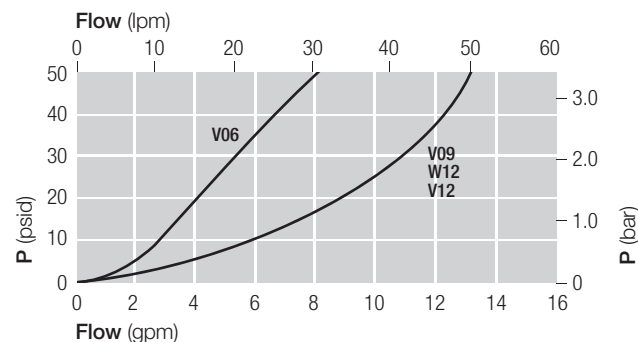
Housing pressure drop is directly proportional to specific gravity.

2050/2060 Series



2050, 2060, and 2070 series filter housings

2070 Series



Element Pressure Drop

Multiply actual flow rate times factor to determine pressure drop with fluid at 32 cSt (150 SUS), 0.9 S.G. Correct for other fluids by multiplying new viscosity in cSt/32 (SUS/150) x new S.G./0.9. Note: factors are per 1000 lpm and per 1 gpm.

9020 Series Filter Elements — bar/1000 lpm (psid/gpm)

Length Code	KZ	KP	KN	KS	KT
4	34.61 (1.90)	14.94 (0.82)	9.84 (0.54)	6.38 (0.35)	3.83 (0.21)
8	17.49 (0.96)	7.47 (0.41)	4.92 (0.27)	3.28 (0.18)	2.00 (0.11)

9021 Series Filter Elements — bar/1000 lpm (psid/gpm)

Length Code	DP	DS/NK	DT/NJ
4	49.37 (2.71)	36.54 (0.53)	12.39 (0.68)
8	24.59 (1.35)	17.24 (0.25)	6.19 (0.34)

