

# POLYFLOW II G

Liquid filter cartridges



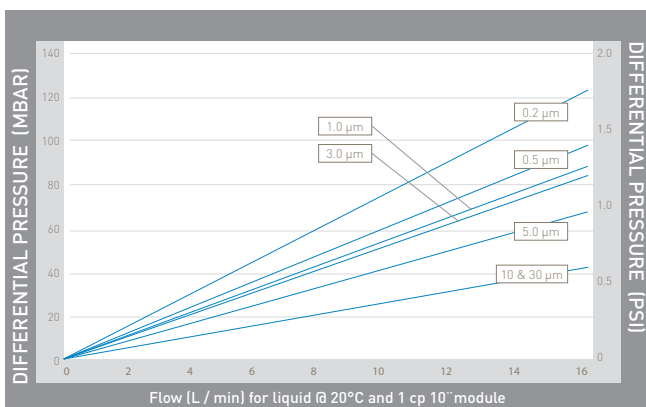
Polyflow II G depth media has been developed for a wide variety of general process applications from fluid clarification to general prefiltration. Its high dirt-loading, random-fibre polypropylene depth media provides consistent particle retention.

Polyflow II G is thermally bonded from 100% polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most stringent of processing conditions. Polyflow II G leads in overall reduction of filtration costs when compared to spunbonded, stringwound, and nominally-rated pleated prefilter cartridges. Its longer filtration life reduces downtime due to change-outs.

Features	Benefits
Nominally rated efficiency 80%.	Provides excellent protection for downstream filters.
All polypropylene media, supports and hardware, thermally welded.	Broad range of chemical compatibility with low extractables.
Available in a comprehensive range of end cap configurations.	Simple retrofitting to existing systems and housings.
High surface area graded density pleated configuration.	Low clean differential pressure and excellent dirt holding capacity.

APPLICATIONS

- ✓ Solvent filtration
- ✓ Feedstock filtration
- ✓ Final product clarification
- ✓ Reagent-grade chemicals





# POLYFLOW II G

## Liquid filter cartridges

### Specifications

#### Materials of Construction

Filtration media:	Polypropylene
Upstream support:	Polypropylene
Downstream support:	Polypropylene
Inner support core:	Polypropylene
Outer protection cage:	Polypropylene
End caps:	Polypropylene
End cap insert: (if applicable)	Stainless steel
Standard o-rings / gasket:	Nitrile

#### Recommended Operating Conditions

Up to 70°C (158°F) continuous operating temperature and higher short-term temperatures during CIP to the following limits:

Temperature		Max Forward dP	
°C	°F	(bar)	(psid)
20	68	5.0	72.5
40	104	4.0	58.0
60	140	3.0	43.5
80	176	2.0	29.0
90	194	1.0	14.5
>100 (steam)	>212 (steam)	0.3	4.0

#### Maximum Operating Temperature

71°C (160°F)

#### Effective Filtration Area (EFA)

10" (250mm) 0.33m<sup>2</sup> (3.22ft<sup>2</sup>).

### Ordering information

CARTRIDGES

P2 G  0

Code	Insert Style
1	None (std)
5	Stainless steel

Code	End Fitting
1	DOE
2	Flat / 226
3	Flat / 222
7	Fin / 226
8	Fin / 222
G	213 / Internal / o-ring DOE
H	213 / Internal / o-ring recessed blank
R	222 / Recessed blank

Code	Length (Nominal)
10	10" (250mm)
20	20" (500mm)
30	30" (750mm)
40	40" (1000mm)

Code	Micron
002	0.2
005	0.5
010	10
030	3.0
050	5.0
100	10.0
300	30.0

Code	Seal
0	Buna N
1	EPDM
2	Silicone
4	Viton
5*	FEP Viton
6*	FEP Silicone
N	None

\* o-rings only

Code	Gasket o-rings
1	5mm (0.200")
2	3mm (0.125")
4	(1) 5mm (0.200") and (1) 3mm (0.125")
N	No gaskets

