

How To Specify

PGFR Filter/Regulator Specifications

- > PGFR 200 port size: 1/4" and 3/8" (PTF/ISO G)
- > PGFR 400 port size: 3/8", 1/2", 3/4" (PTF/ISO G)
- > PG series design allows in-line installation or modular installation with other PG series products
- > 5 or 40 micron particle and high efficiency water removal (> 95%)
- > Double safety lock bowl
- > Push to lock adjusting knob with built-in tamper resistant feature
- > Metal bowl with prismatic liquid level indicator lens
- > Lightweight polycarbonate bowl with guard
- > Easy to read flush mounted integrated pressure gauge

Technical Features

Medium:

Compressed air only

Maximum supply pressure:

Polycarbonate bowl: 145 psi (10 bar)
PG200 metal bowl: 248 psi (17 bar)
PG400 metal bowl: 290 psi (20 bar)

Outlet pressure ranges:

4 to 145 psi (0.3 to 10 bar),
4 to 58 psi (0.3 to 4 bar),
2 to 250 psi (0.7 to 17 bar)

Filter element:

5 µm & 40 µm

PGFR 200 port size:

G1/4, G3/8, 1/4 PTF, 3/8 PTF

PGFR 400 port size:

G3/8, G1/2, G3/4, 3/8 PTF,
1/2 PTF, 3/4 PTF

Gauge:

Integrated as standard
Gauge port 1/8 as option

Diaphragm type:

Relieving

Drain:

Manual or automatic

Automatic drain operating conditions
(float operated): Bowl pressure required
to close drain: > 5 psi (0.35 bar)

Bowl pressure required to open
drain: ≤ 2.9 psi (0.2 bar)

Minimum air flow required to
close drain: 2 scfm (1 dm³/s)

Ambient/Media temperature:

Polycarbonate bowl: 14 to
140° F (-10 to 60° C)

Metal bowl: -4 to 149° F (-20 to 65° C)

Air supply must be dry enough to
avoid ice formation at temperatures
below 35° F (2° C).

PG200 flow:

79 scfm (37 dm³/s) at port size 1/4", 79
scfm (37 dm³/s) at port size 3/8", inlet
pressure 145 psi (10 bar), 91 psi (6.3 bar)
set pressure and a Δp: 14.5 psi (1 bar)

droop
from set.

PG400

flow:

212 scfm
(100 dm³/s)
At port size:

1/2", inlet
pressure
145 psi (10

bar), 91 psi (6.3 bar) set pressure and a
Δp: 14.5 psi (1 bar) droop from set.
Filter element: 40 µm

Materials:

Body: Die cast aluminum

Body covers: ABS

Bonnet: Acetal/ Aluminum

Valve: PP

Bowl: Transparent PC with PP guard or
die cast zinc (PG200) / aluminum (PG400)

Liquid level indicator lens (metal bowl): PA

Filter element: sintered PP

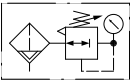
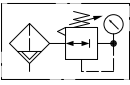
Bowl 'o'- ring: Chloroprene

Elastomers: NBR

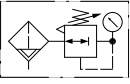
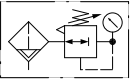


PGFR Filter/Regulator Specifications

Technical Data PGFR200

Symbol	Port PTF	Drain	Pressure Range psig (bar)	Filter Element (µm)	Bowl	Weight lbs (kg)	Model
	1/4	Auto	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	0.68 (0.31)	PGFR 200-08A-40P-KMG-T
	3/8	Auto	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	0.66 (0.30)	PGFR 200-10A-40P-KMG-T
	1/4	Auto	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.1 (0.50)	PGFR 200-08A-40D-KMG-T
	3/8	Auto	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.1 (0.49)	PGFR 200-10A-40D-KMG-T
	1/4	Manual	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	0.64 (0.29)	PGFR 200-08M-40P-KMG-T
	3/8	Manual	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	0.64 (0.29)	PGFR 200-10M-40P-KMG-T
	1/4	Manual	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.1 (0.49)	PGFR 200-08M-40D-KMG-T
	3/8	Manual	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.1 (0.48)	PGFR 200-10M-40D-KMG-T

Technical Data PGFR400

Symbol	Port PTF	Drain	Pressure Range psig (bar)	Filter Element (µm)	Bowl	Weight lbs (kg)	Model
	3/8	Auto	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-10A-40P-KMG-T
	1/2	Auto	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-15A-40P-KMG-T
	3/4	Auto	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-20A-40P-KMG-T
	3/8	Auto	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 400-10A-40D-KMG-T
	1/2	Auto	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 400-15A-40D-KMG-T
	3/4	Auto	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 400-20A-40D-KMG-T
	3/8	Manual	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-10M-40P-KMG-T
	1/2	Manual	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-15M-40P-KMG-T
	3/4	Manual	4.4 - 145 (0.3 - 10)	40	Guarded polycarbonate	1.6 (0.73)	PGFR 400-20M-40P-KMG-T
	3/8	Manual	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 200-10M-40D-KMG-T
	1/2	Manual	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 400-15M-40D-KMG-T
	3/4	Manual	4.4 - 145 (0.3 - 10)	40	Metal with level indicator	1.6 (0.73)	PGFR 400-20M-40D-KMG-T