

F82G – General purpose filter Excelon® Plus Modular System



- > Port size: 1/4" & 3/8" (ISO G/PTF)
- > Excelon® Plus design allows in-line installation or modular installation with other Excelon® Plus products
- > 5 or 40 micron particle and high efficiency water removal (> 95%)
- > Double safety lock bowl
- > Metal bowl with prismatic liquid level indicator lens
- > Light weight polycarbonate bowl
- > Air purity classes in accordance to ISO8573-1:2010:
7:8:4 (40µm)
6:8:4 (5µm)



Technical features

Medium:

Compressed air only
Maximum supply pressure:
Polycarbonate bowl: 10 bar (145 psi)
Metal bowl: 17 bar (246 psi)

Filter element:

5 µm & 40 µm

Port size:

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

Flow:

23 dm³/s (port size 1/4") and
27dm³/s (port size 3/8") at inlet
pressure 6.3bar (91psi) and a
Δp 0,5 bar (7,25 psi) pressure
drop. Filter element 40µm

Drain:

Manual or automatic
Automatic drain operating
conditions (float operated):
Bowl pressure required to
close drain: > 0,35 bar (5 psi)
Bowl pressure required to open
drain: ≤ 0,2 bar (2,9 psi)
Minimum air flow required to
close drain: 1dm³/s.

Ambient/Media temperature:

Polycarbonate bowl:
-10 ... +60°C (14 ... +140°F)
Metal bowl:
-20 ... +65°C (-4 ... +149°F)
Air supply must be dry enough
to avoid ice formation at
temperatures below +2°C
(+35°F).

Atex:

Filters F82 are in conformity with
Atex 2014/34/EU



II 2 GD
Ex h IIC T6 Gb
EX h IIC T85°C Db

Materials:

Body: Die cast aluminium
Body covers: ABS
Transparent Bowl: Polycarbonate with Polypropylene Guard.
Metal Bowl: Die cast Zinc with PA liquid level indicator lens
Filter element: sintered PP
Bowl 'o'- ring: Chloroprene Elastomers: NBR

Technical data F82G—standard models

Symbol	Port Size	Drain	Filter element (µm)	Bowl	Weight (kg)	Model *1)
	G1/4	Auto	40	Guarded polycarbonate	0,22	F82G-2GN-AP3
	G3/8	Auto	40	Guarded polycarbonate	0,22	F82G-3GN-AP3
	G1/4	Auto	40	Metal with level indicator	0,41	F82G-2GN-AD3
	G3/8	Auto	40	Metal with level indicator	0,41	F82G-3GN-AD3
	G1/4	Manual	40	Guarded polycarbonate	0,20	F82G-2GN-QP3
	G3/8	Manual	40	Guarded polycarbonate	0,20	F82G-3GN-QP3
	G1/4	Manual	40	Metal with level indicator	0,40	F82G-2GN-QD3
	G3/8	Manual	40	Metal with level indicator	0,40	F82G-3GN-QD3

Option selector

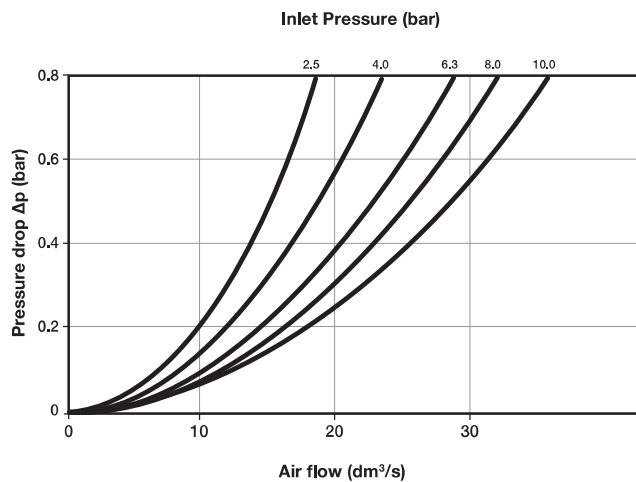
F82G-★ ★ N - ★ ★ ★

Port size	Substitute
1/4"	2
3/8"	3
Thread form	Substitute
PTF	A
ISO G (standard)	G
Drain	Substitute
Manual (standard)	Q
Auto drain (standard)	A

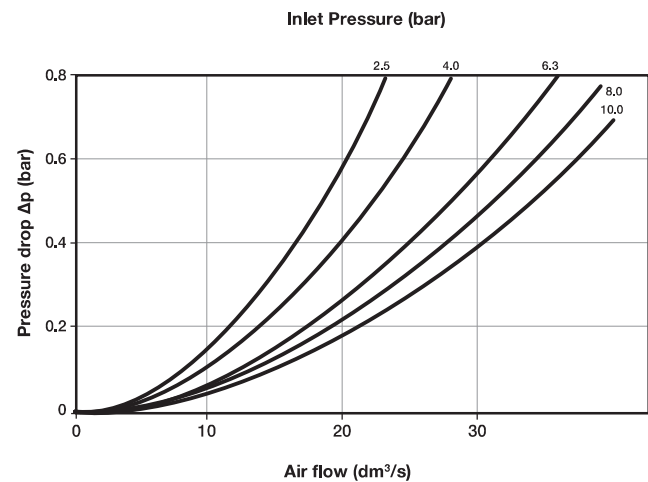
Element	Substitute
5 µm	1
40µm (standard)	3
Bowl	Substitute
Transparent with guard (standard)	P
Metal with liquid indicator	D

Flow characteristics

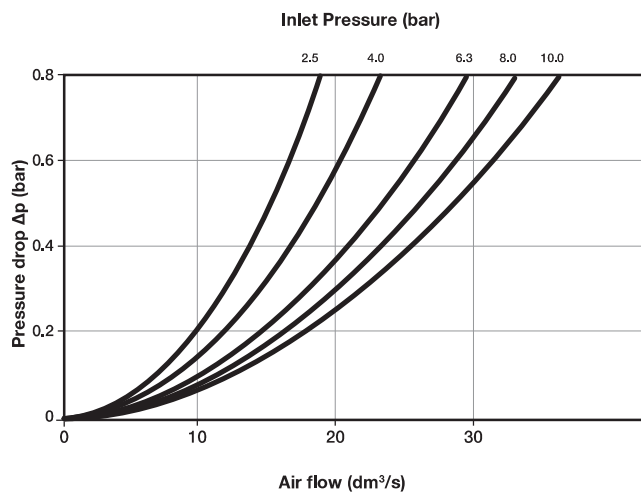
Element: 40 µm
Port size: 1/4"



Element: 40 µm
Port size: 3/8"



Element: 5 µm
Port size: 1/4"



Element: 5 µm
Port size: 3/8"

