

F581 Filter

- > Port size: 9/16" UNF or 13/16" UNF
- > Protects pressure system components against particles
- > Robust corrosion resistant design
- > Stainless Steel Body Material



Technical features

A rugged, all stainless steel filter. Includes a enwrap stainless steel mesh element which can be easily removed for maintenance.

Medium:

Gases, Hydrogen, neutral non- aggressive gases

Maximum inlet pressure:

1.100 bar (15.950 psi)

Filtration:

2; 5; 10; 25 µm
5 Standard

Port size:

- 9/16-18 UNF Cone Thread
Connector for 3/8" HP tubing
- 13/16-16 UNF Cone Thread
Connector for 9/16" HP tubing
Custom on Request

Ambient/Media temperature:

-20 ... +99°C (-4 ... +210°F)
(NBR)

-40 ... +99°C (-40 ... +210°F)
(EPDM)

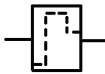
Flow Example:

Delta <P 1 bar for flowrate
30g/s at 900 bar H₂
Delta <P 1 bar for flowrate
120g/s at 1.050 bar H₂

Materials:

Body: stainless steel 316L
Filter: enwrap stainless steel mesh
Elastomers:
Preferred for Hydrogen EPDM
On request NBR, FPM and custom

Technical data

Symbol	Tubing size	Port size	Operating pressure	Filtration size	Internal diameter	O-ring Material	Model
			PS	(µm)	(mm)		
	3/8" MP Tubing	9/16-18 UNF	1.100 bar	2	5	EPDM	F581XT6X001188
				5			F581XT1X001188
				10			F581XT2X001188
				25			F581XT4X001188
	9/16" MP Tubing	13/16-16 UNF		2	9,2		F581XT6X001187
				5			F581XT1X001187
				10			F581XT2X001187
				25			F581XT4X001187

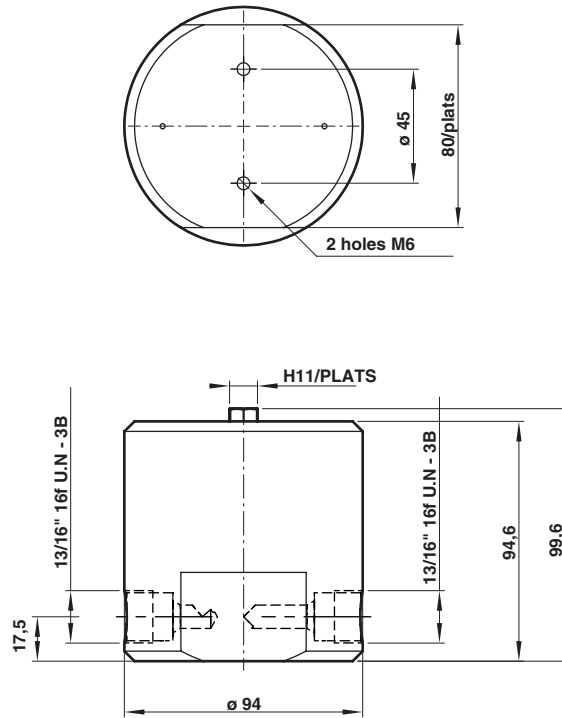
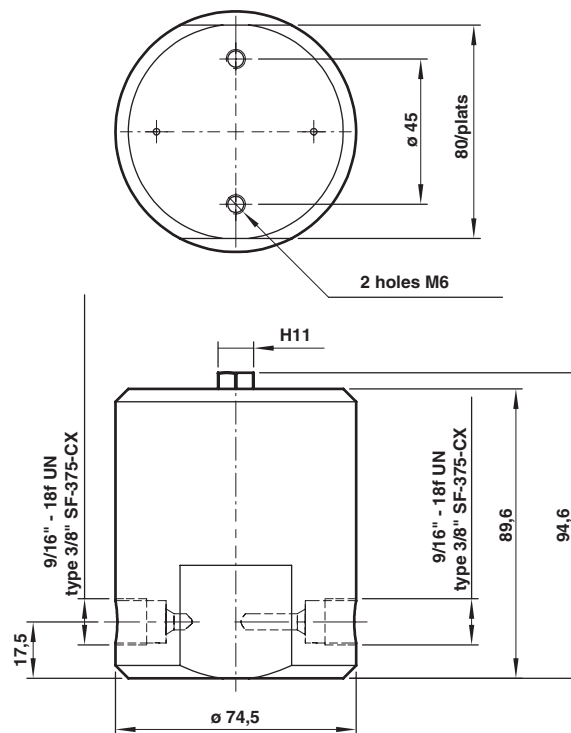
Option selector

	Substitute
Housing Material	
Stainless steel	I
Max. Operating pressure	
1100 bar	X
Filtration class	
2 µm	T6
5 µm	T1
10 µm	T2
25 µm	T4

F581★★★★X00★★★★

	Substitute
Cone Thread Connection	
3/8" MP Tubing system	1188
9/16" MP Tubing system	1187
Rubber Material	
EPDM 90sh	X

Dimensions
F581058

 Dimensions in mm
 Projection/First angle

F581057


Warning

Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/data**«. Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren, IMF sas.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.