

Technical Data

STAUFF SPF2 series high pressure filters are designed for in-line hydraulic applications with a maximum operating pressure of 220 bar (3200 PSI). Used together with STAUFF filter elements, a high efficiency of contaminant removal is assured.

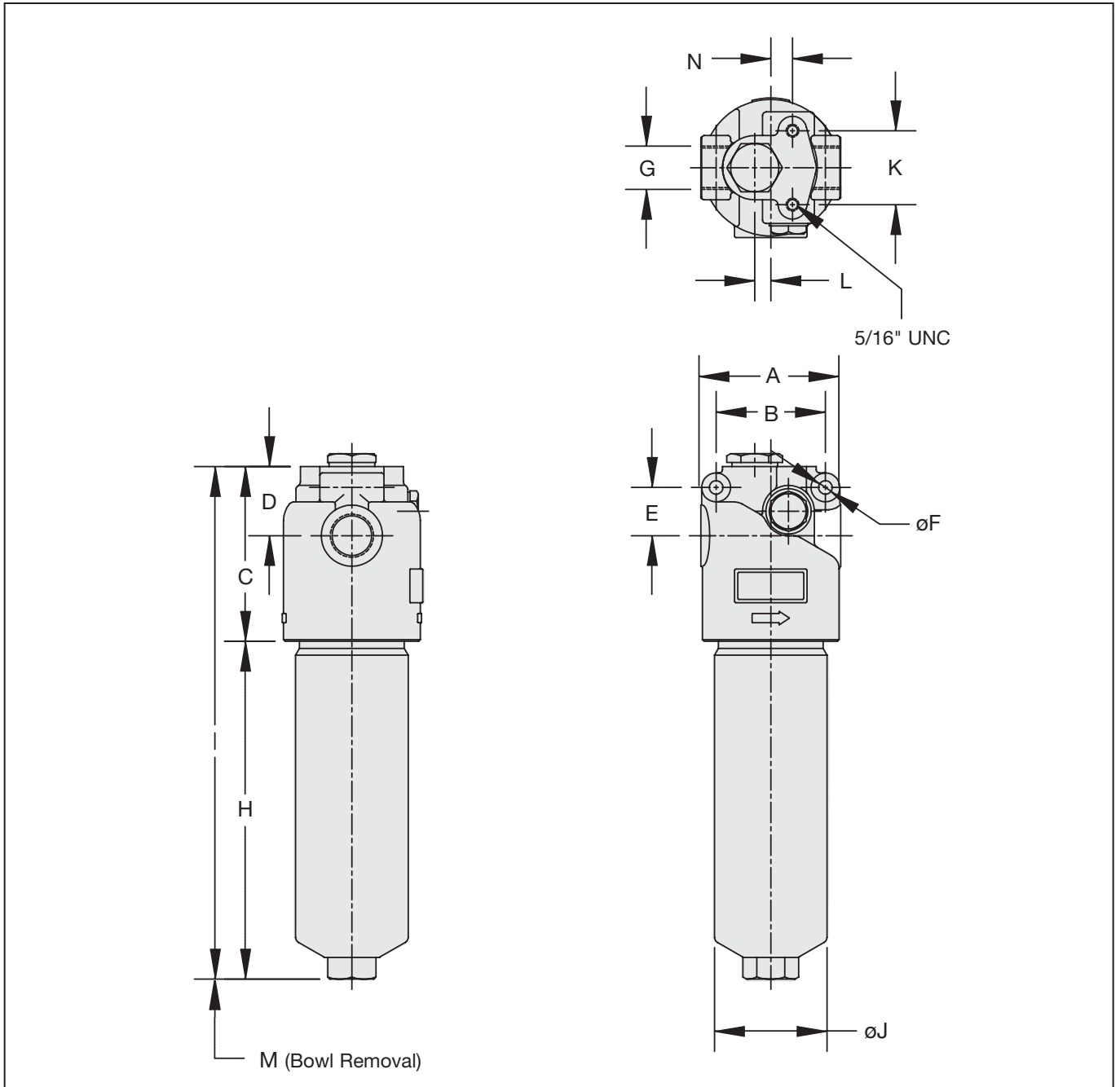


Technical Specification

Construction	In-line assembly
Filter head	Aluminum
Element case	Steel
Seals	O-Rings NBR (Buna-N®)
Port connections	SAE "O"-Ring thread
Flow rating	up to 80 l/min (20 US GPM) for 32 cSt (150 SUS) fluids
Operating pressure	max 220 bar (3200 PSI)
Test pressure	440 bar (6380 PSI)
Temperature range	-25°C to +95°C (-13°F to + 203°F)

By-pass valve	Allows unfiltered oil to by-pass the contaminated element once the opening pressure has been reached.
By-pass setting	6 bar (87 PSI)
Clogging Indicators	Visual, 5 bar (72 PSI) actuating pressure Electrical, 5 bar (72 PSI) actuating pressure
Filter elements	Flow characteristics see page F22
Media	Mineral oils, other fluids on request

Dimensions



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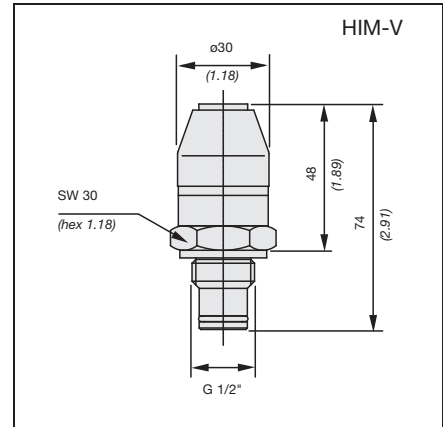
Dimensions in mm (inch)

Filter Size	Nominal Flow	A	B	C	D	E	øF	H	I	øJ	K	L	M	N	G SAE	Weight
SPF2010	40 LPM (10 GPM)	87 (3.43)	68 (2.68)	109 (4.29)	43 (1.69)	30 (1.18)	8.5 (0.33)	110 (4.29)	219 (8.62)	70 (2.76)	46 (1.81)	10 (0.39)	100 (3.94)	13.5 (0.53)	1-1/16"-12 UN	3.2 kg (7.11 lb)
SPF2020	80 LPM (20 GPM)	87 (3.43)	68 (2.68)	109 (4.29)	43 (1.69)	30 (1.18)	8.5 (0.33)	210 (8.27)	319 (12.56)	70 (2.76)	46 (1.81)	10 (0.39)	100 (3.94)	13.5 (0.53)	1-1/16"-12 UN	4.7 kg (10.44 lb)

1. Visual clogging indicator

Part number HIM-V is a clogging indicator actuated by the differential pressure across the filter element. The actuating pressure of 5 bar (72 PSI) allows the dirty element to be changed before the by-pass setting of 6 bar (87 PSI) is reached.

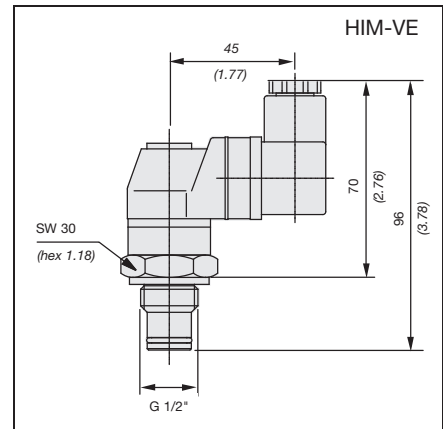
Dimensions in mm (inch)



2. Visual-Electrical clogging indicator

Part number HIM-VE is used when an electrical signal is needed to indicate when the element needs changing. It is actuated by the differential pressure across the filter element. The actuating pressure of 5 bar (72 PSI) allows the dirty element to be changed before the by-pass setting of 6 bar (87 PSI) is reached.

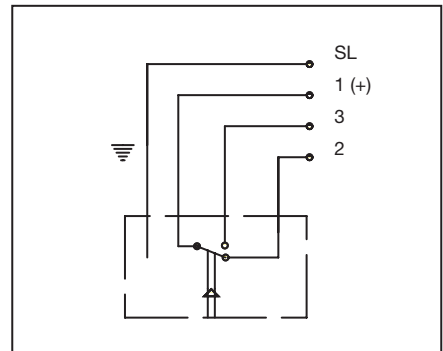
Dimensions in mm (inch)



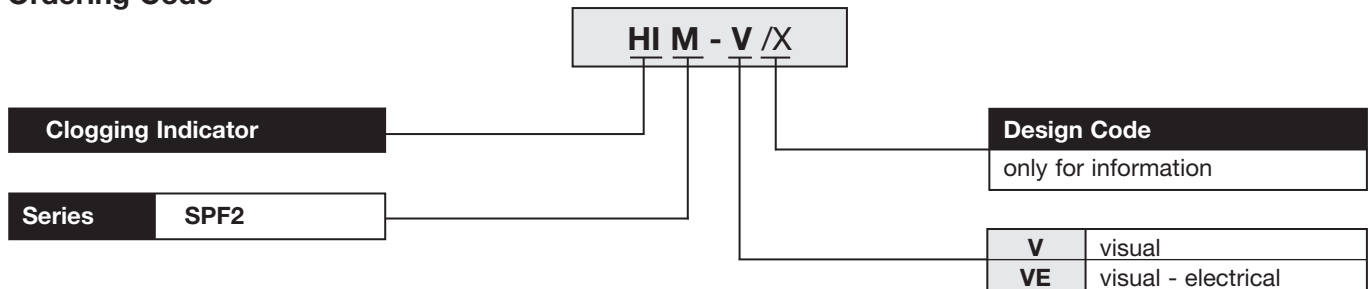
HIM-VE Rated capacity

Voltage V	Resistive Load Amps	Inductive Load Amps
125 VAC	5	5
250 VAC	5	5
15 VAC	10	10
30 VDC	5	5
50 VDC	1	1
125 VDC	0.5	0.06

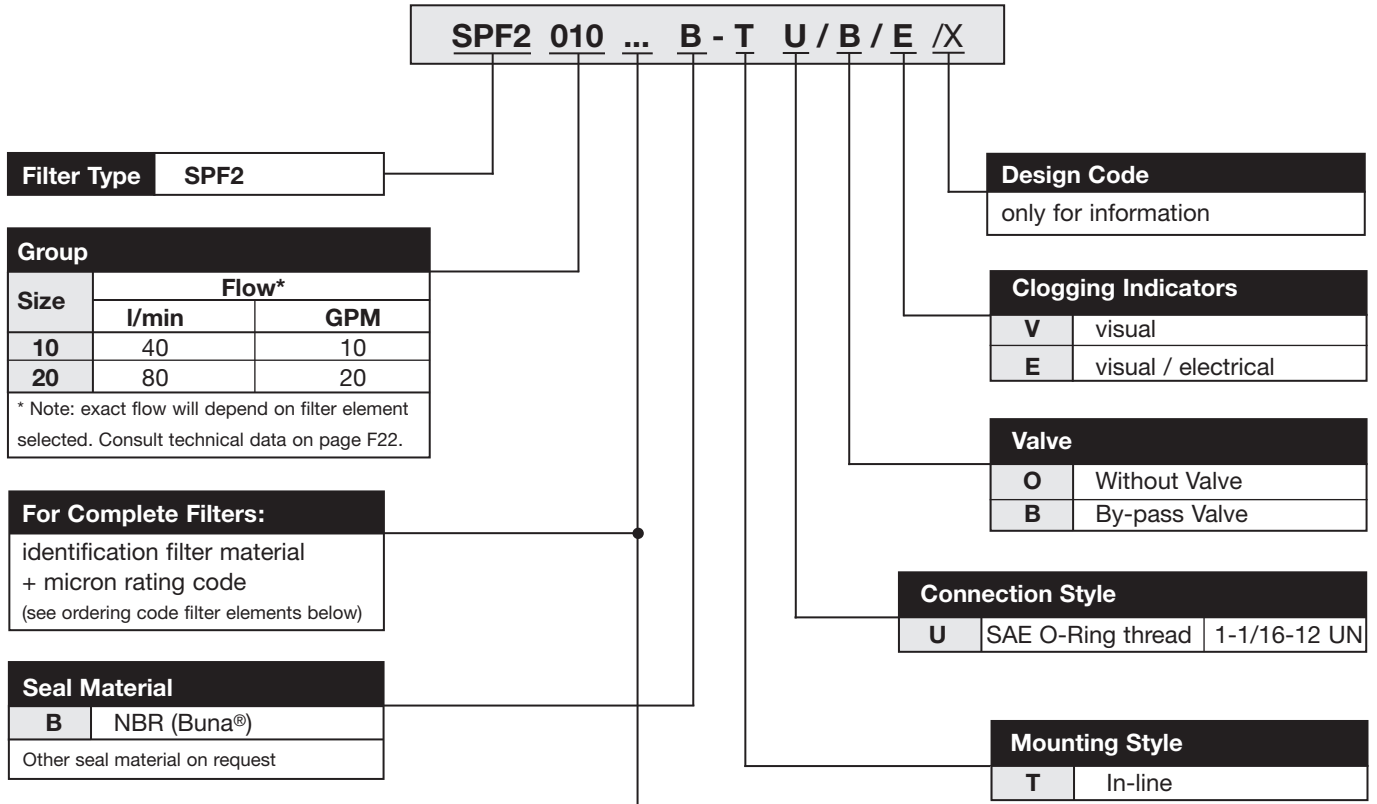
HIM-VE Wiring diagram



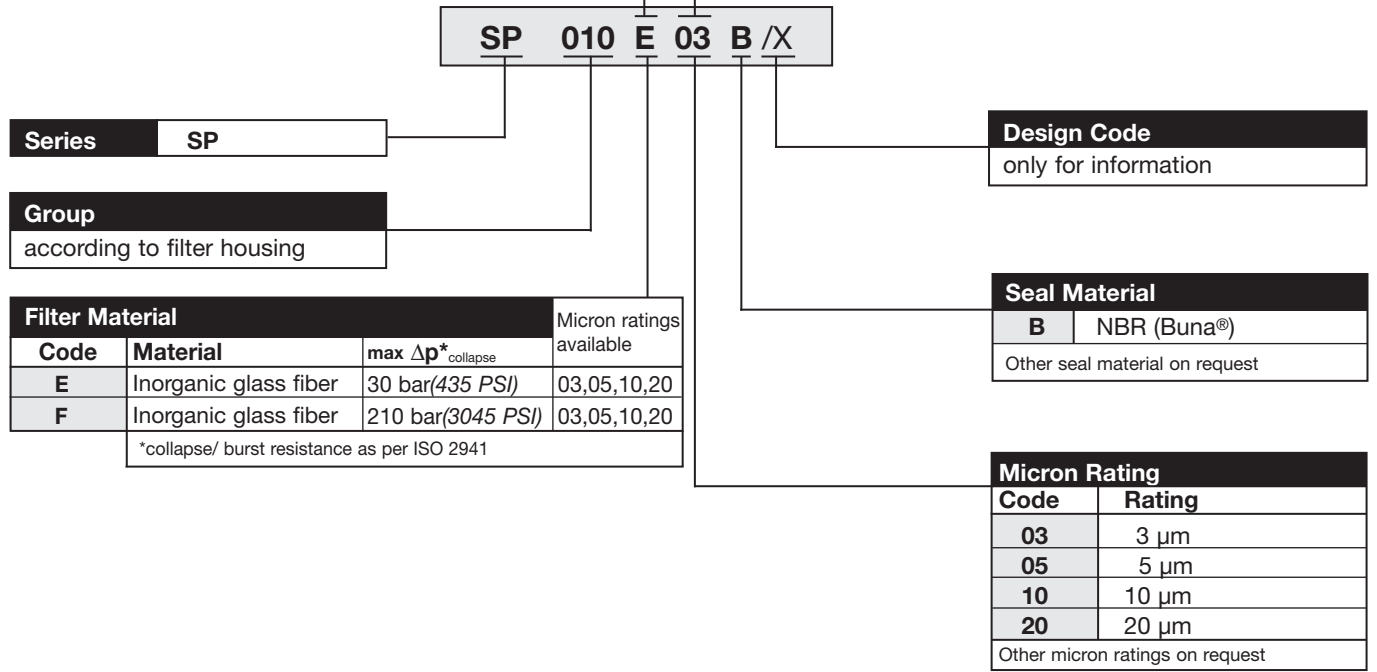
Ordering Code



Ordering Code Filter Housings

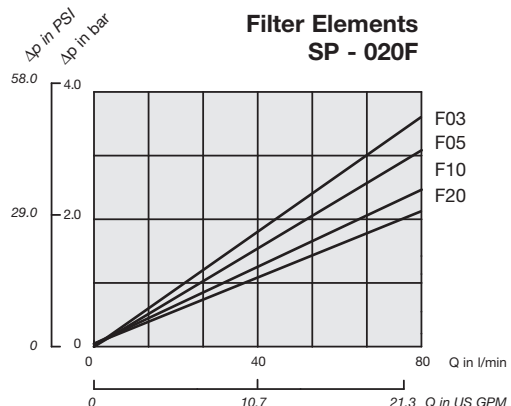
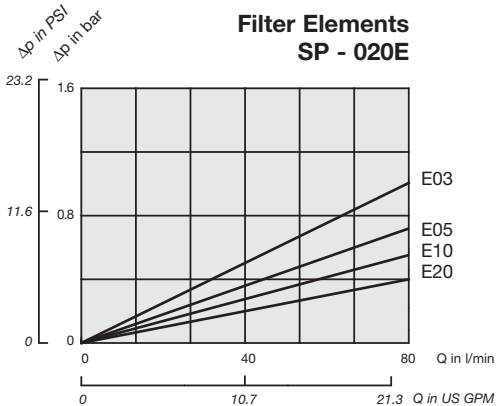
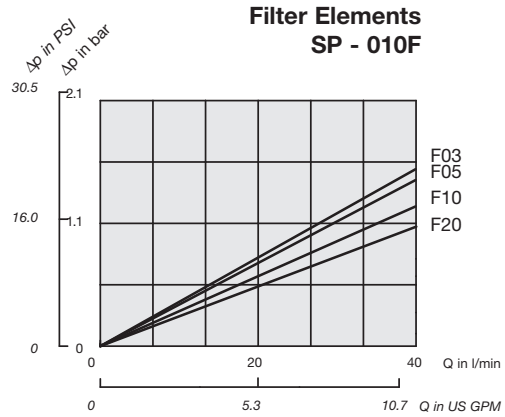
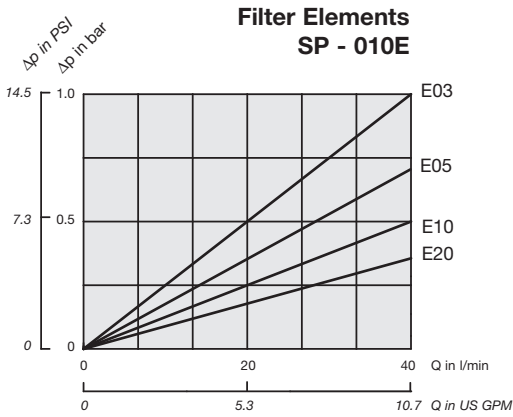
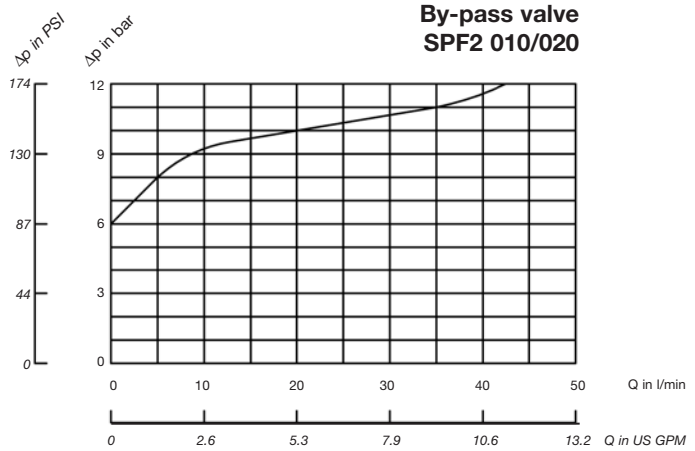
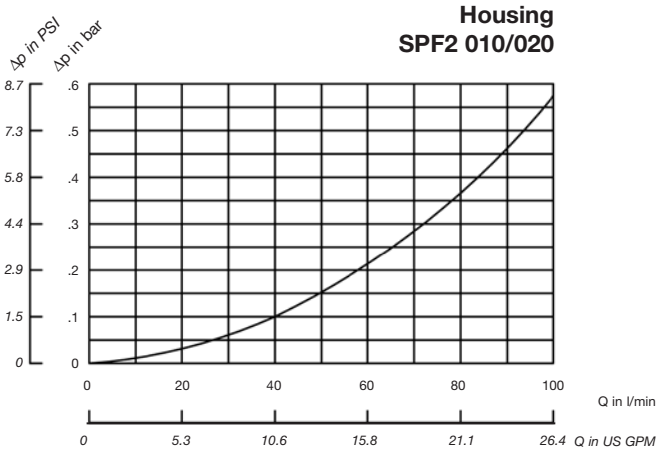


Ordering Code Filter Elements



Flow Characteristics of High Pressure Filters

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968. Multipass filter ratings have been obtained in accordance to ISO 16889. Consult factory for details.



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