



PARKER SPIN-ON FILTERS
Models 12-PS, 22-PS, 32-PS and 42-PS



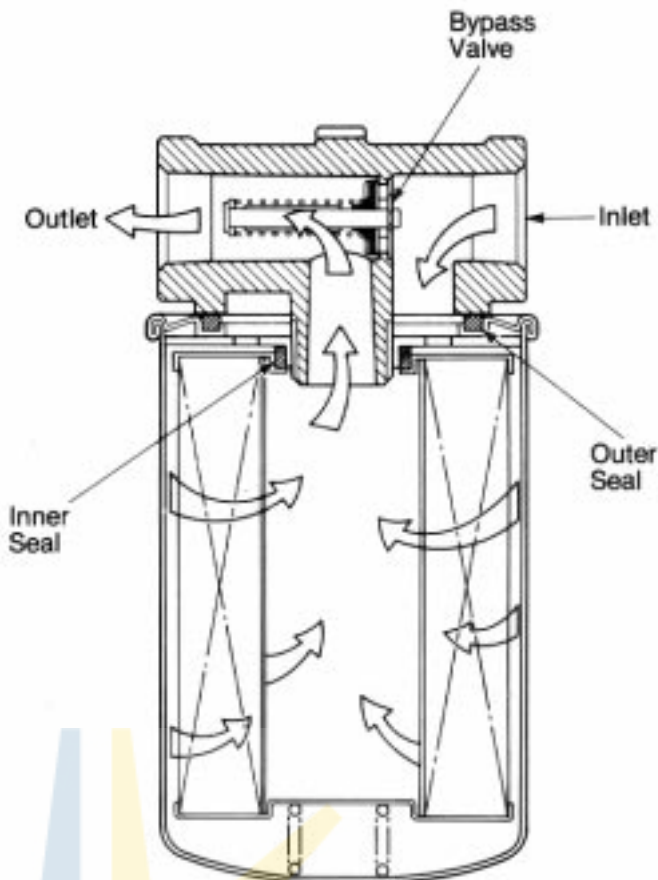
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PLEASE SEE FOLLOWING PAGES FOR FURTHER DETAILS *CATALOGUE*

Spin-on Filters for low pressure in-line filtration

- Glass fibre or paper element media
- Spin-on disposable canisters
- Flow rates to 350 l/min
- 10 bar maximum working pressure
- Suitable for suction & return line applications
- Available with or without bypass
- Visual or electrical indicator options



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Specification

Model 12-PS

Filter Model	Maximum Recommended Flow Rate l/min				Weight kg	Ports	
	Including 10CT media		Including 10BT media			BSPF	SAE Flange Face
	Return	Suction	Return	Suction			
12-PS	75	20	65	16	1.2	3/4	-
22-PS	160	48	180	56	3.4	1 1/4	-
32-PS	350	96	350	96	6.1	1 1/2	-
42-PS	350	96	350	96	10.5	1 1/2	1 1/2

Maximum working pressure: 10 bar.
 Operating temperature: -30°C to 110°C.
 Seals: Buna (nitrile).
 Filter head material: Aluminium alloy.
 Filter bowl material: Steel.
 Fluids: Compatible with hydraulic oils, coolant fluids & petroleum-based fluids.
 Transmission applications:
 The no bypass options RX and SX are available on all filter models.

Element media: 10CT - 10 micrometre nominal filtration (resin impregnated cellulose).
 10BT - 10 micrometre absolute filtration. (glass fibre composite material).
 Indication: Visual - 42mm dia. gauge. (0 to 12 bar. Return line). (0 to 76 cm. Hg. Suction line).
 Electrical - Pressure switch
 Up to 30v DC, 5A res, 3A ind.
 Up to 240v AC, 5A max. (adjustable 0-12 bar return) (adjustable 0-76 cm Hg suction)
 Ambient temperature range -10°C to 60°C

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Filter Selection

These curves give the total pressure drop across the filter unit (Δp total filter).

All flow curves presented are in accordance with ISO 3968: "Determination of pressure drop/flow characteristics of hydraulic fluid power filters".

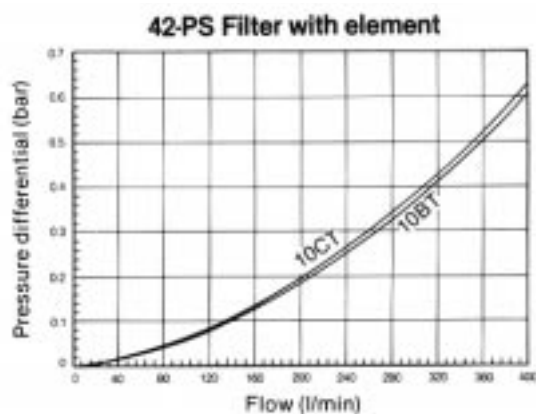
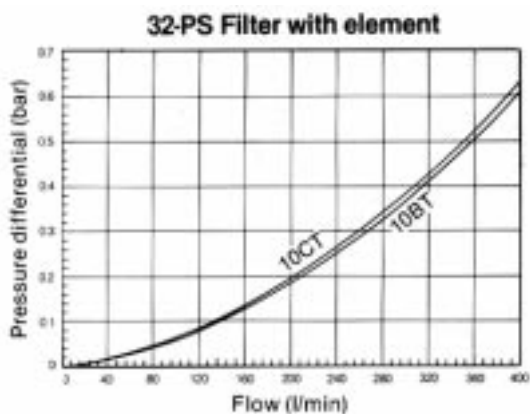
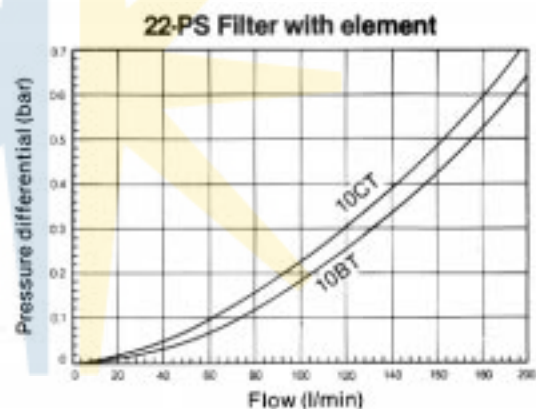
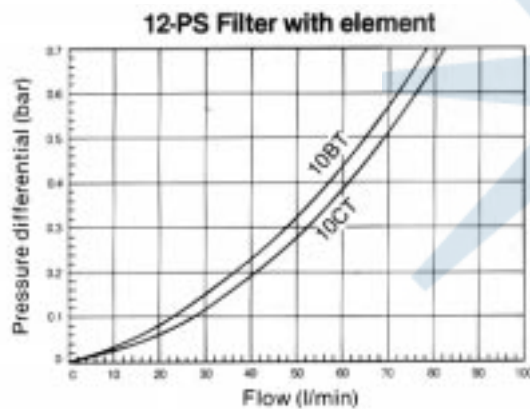
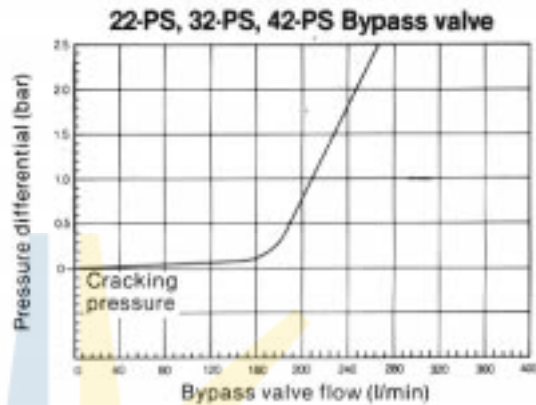
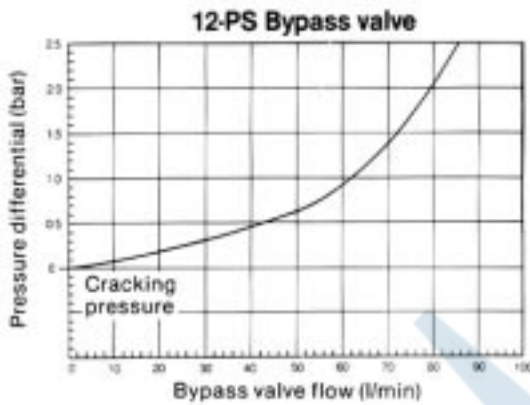
Bypass Valve

The Bypass Valve is closed under normal operating conditions. The valve starts to open when the pressure drop reaches 1.2 bar (return) or 0.18 bar (suction).

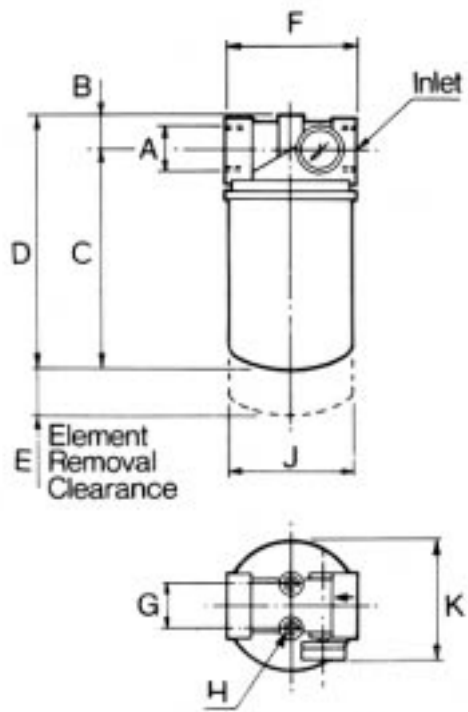
Viscosity effects are negligible.

The bypass valve flow curve shows the total pressure drop across the filter unit with the element blocked.

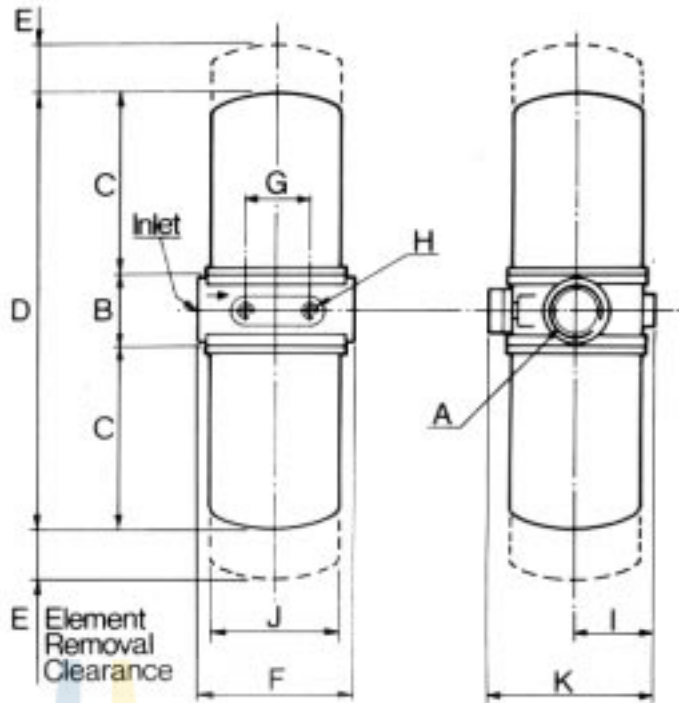
Typical Flow/Pressure Curves for PS Filters (Oil at 30cSt.)



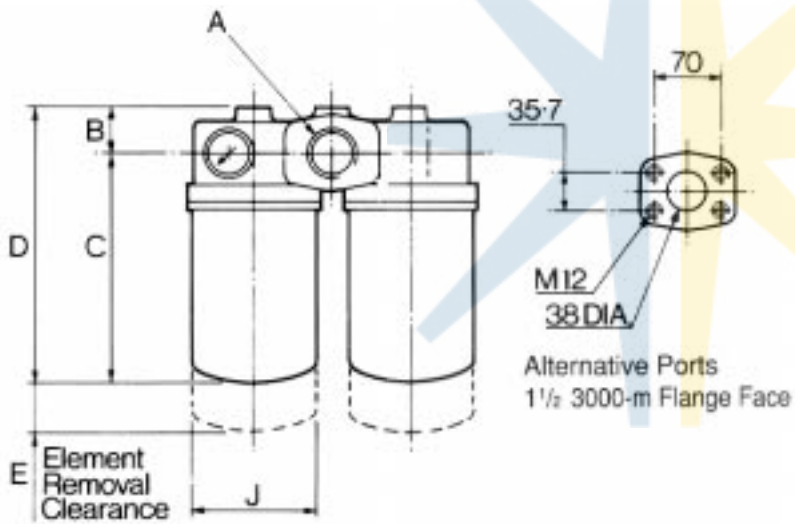
Installation Details



Model 12-PS and Model 22-PS



Model 32-PS



Model 42-PS

All dimensions in mm

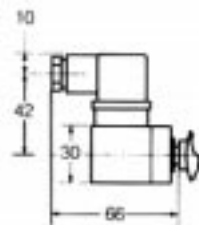
Model	12-PS	22-PS	32-PS	42-PS
A-BSPF	3/4"	1 1/4"	1 1/2"	1 1/2"
B	22	28	70	47
C	165	208	175	220
D	187	236	420	267
E	15	20	20	25
F	95	133	140	130
G	38	50	65	60
H	M8	M8	M10	M10
I	-	-	70	150
J	93	130	130	130
K	107	135	151	280

Appliance socket to DIN 43650

Plug Pin Code
 1 N. Open
 2 N. Closed
 3 Common



5 amps at 250v AC
 5 amps at 110v AC
 Differential setting 1.2 bar
 Ambient temperature range
 -10°C to +60°C



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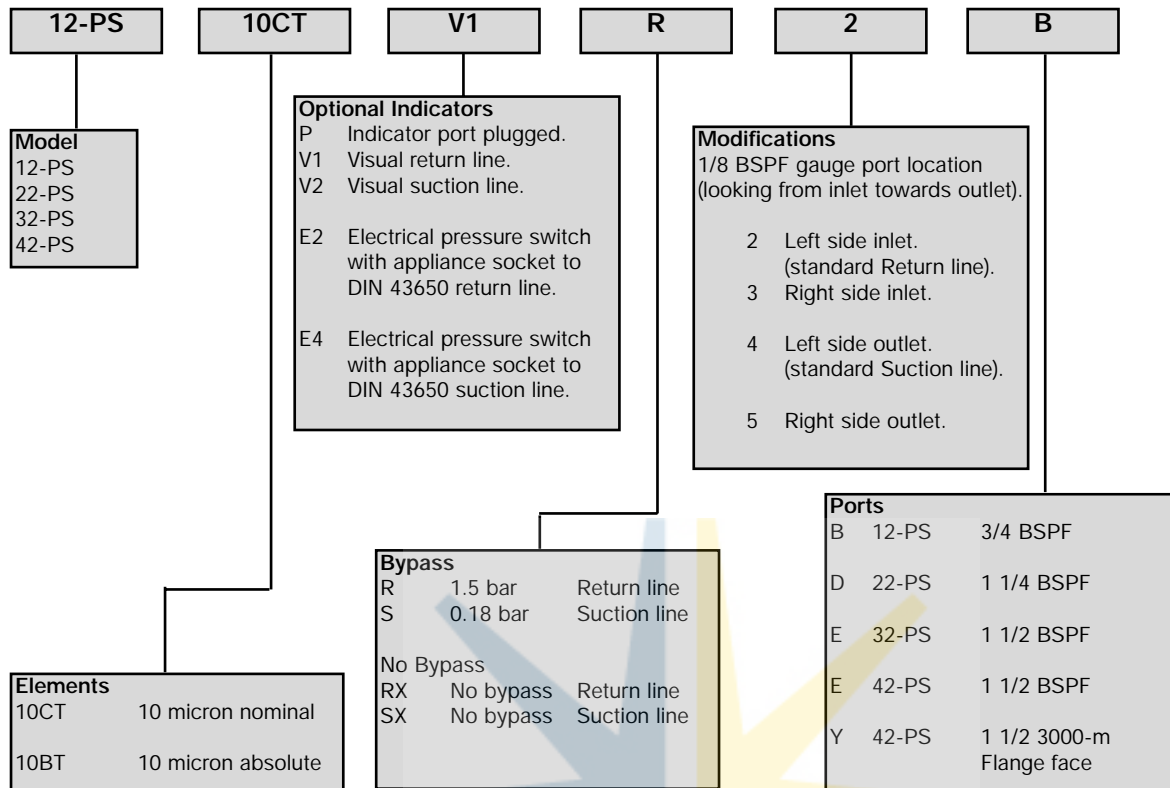
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How To Order

Select the features required from the boxes below.

The example shown should be ordered as:

12-PS-10CT-V1-R-2-B



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Replacement Element Part Numbers

12-PS		22-PS		32-PS (2 Req'd)		42-PS (2 Req'd)	
10CT	10BT	10CT	10BT	10CT	10BT	10CT	10BT
921166	926501	926502	926503	926502	926503	926502	926503

Replacement Indicators

Option	Part No.
V1	S02044
V2	S02045
E2	S02030
E4	S02048

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