



PARKER HIGH PRESSURE FILTERS

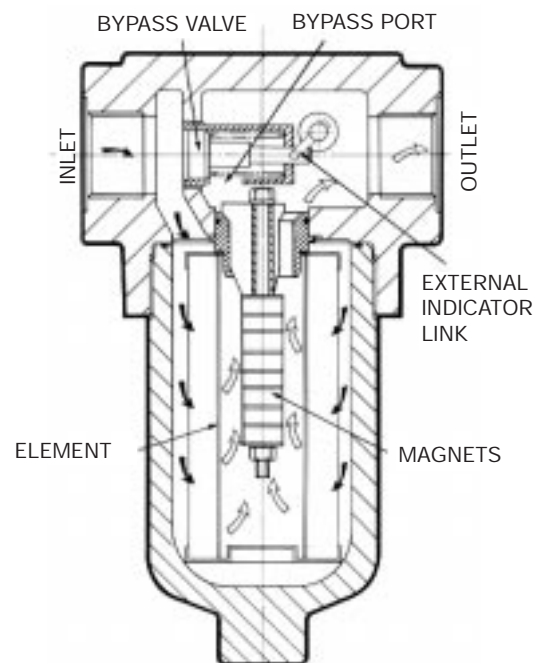
Types 24P-1 and 24P-2



Designed for systems operating up to 414 bar. Two filter sizes handle flows up to 230 l/min.

- Minimum static burst: 1240 bar.
- 1" BSPF threads.
- Filter down to 3 microns absolute (0.5 micron nominal).
- Visual indicators with fluorescent dial fitted on both sides - standard.
- Suitable for use with mineral oils - Contact Parker Filtration for other fluids.
- Ready availability from Parker Service Centre or regional distributors.

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PLEASE SEE FOLLOWING PAGES FOR FURTHER DETAILS

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Filter element and media

Parker Model No.	Element Type	Filter Media	Beta (10) Ratio Min ^m	Ratio Ave
40W	Surface	Wire mesh	*	*
25W	Surface	Wire mesh	*	*
20C	Depth	Cellulose	1.05	1.11
10C	Depth	Cellulose	1.30	2.00
10B	Depth	Composite	200	1500
03B	Depth	Composite	400	3000+

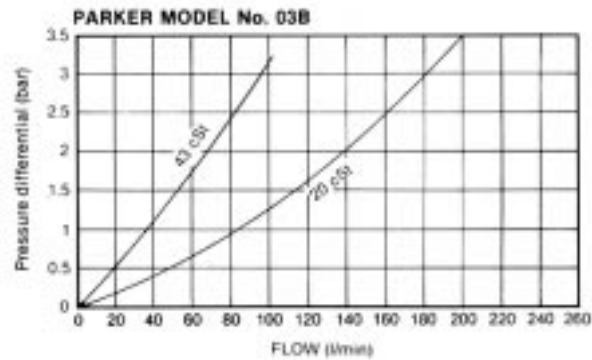
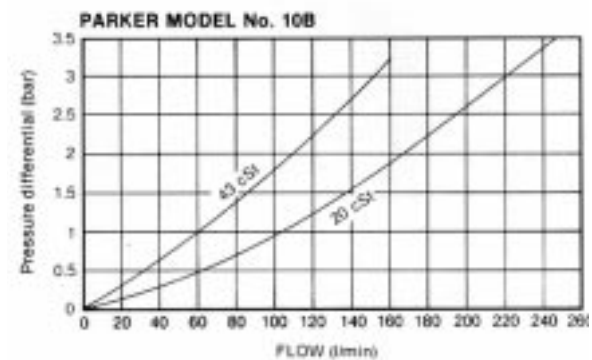
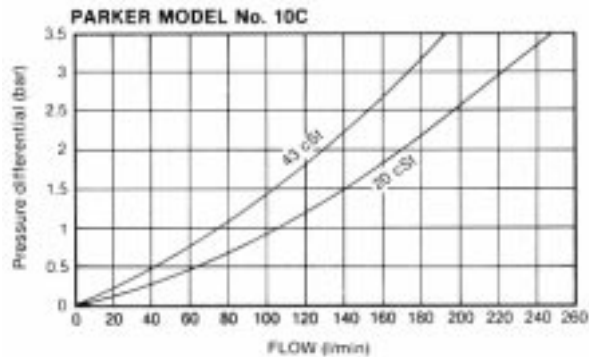
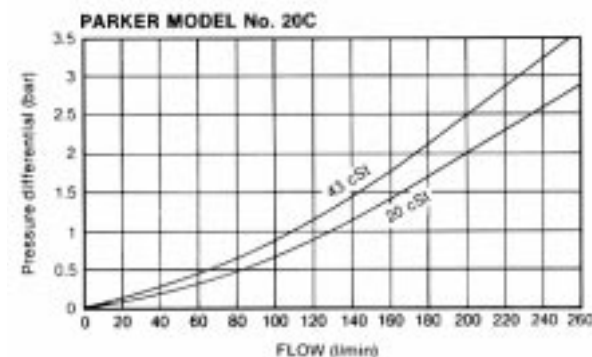
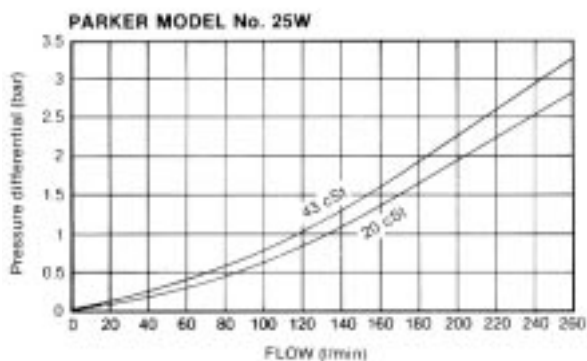
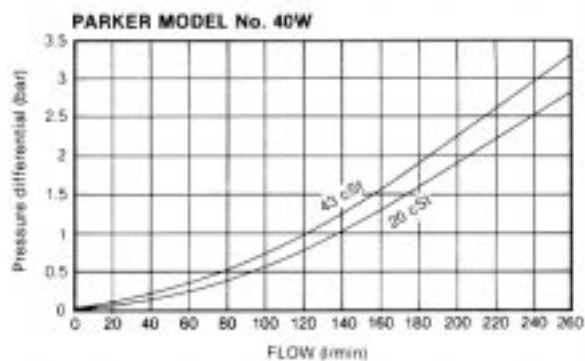
*Not Beta (10) Rated.

Beta (10) Ratio is a measurement of filtration efficiency.

All tests are conducted in accordance with ISO 4572 Multipass Test.

All media tested and suitable for high water base fluids.

Typical Flow/Pressure Curves for 24P-1 Filter (Single Length)



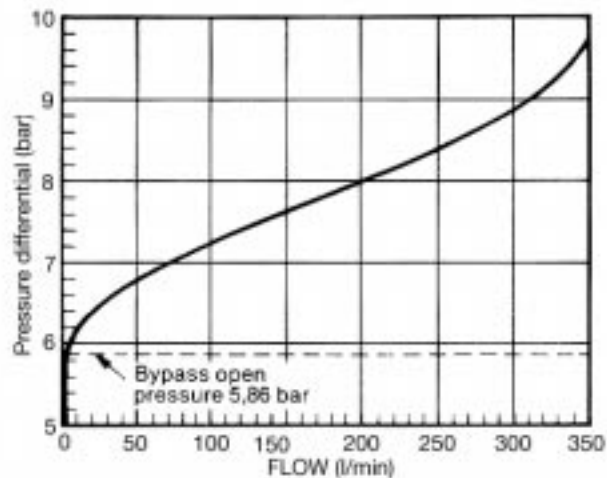
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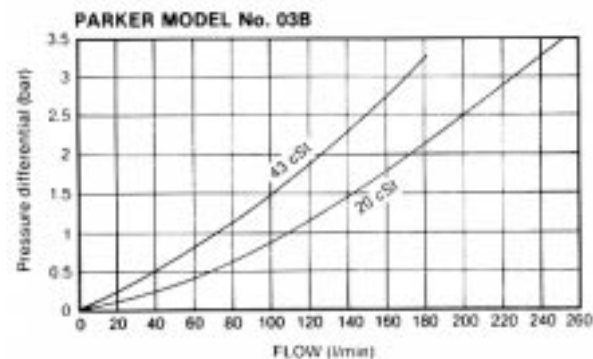
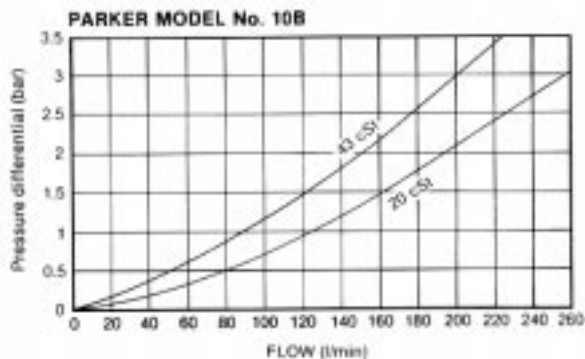
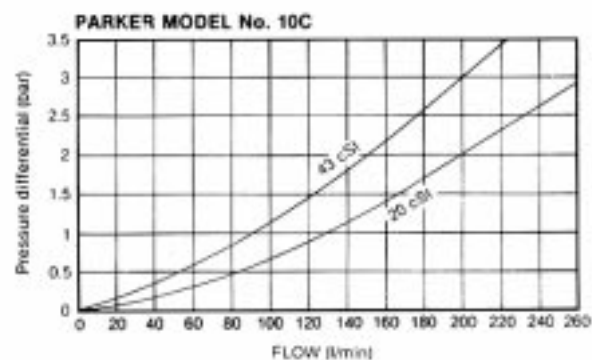
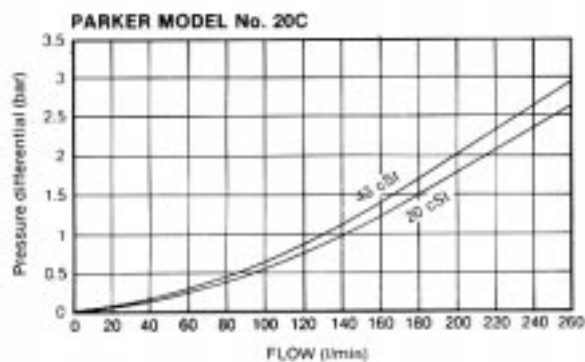
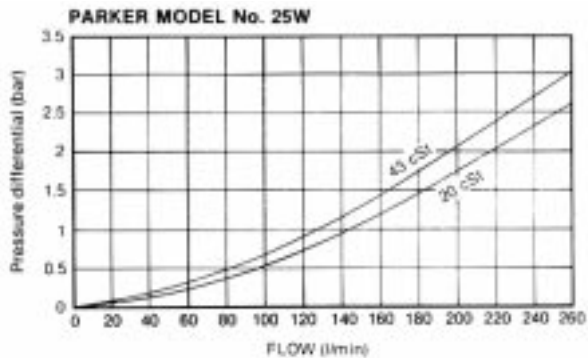
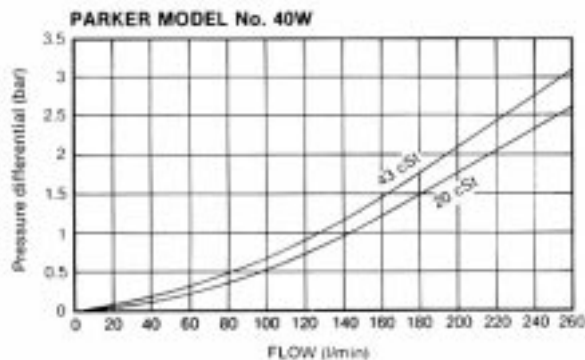
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Bypass valve flow curve

Under normal operating conditions, the bypass valve is totally sealed and there is no leakage bypassing the element. When pressure drop across the filter exceeds the preset level, bypass flow commences and increases as pressure drop increases. Thus full flow is ensured and the proportion of filtered flow is maintained at a maximum. The curve above is typical.



Typical Flow/Pressure Curves for 24P-2 Filter (Double Length)



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Specifications:

Working Pressure: maximum 414 bar.

Static Safety Factor: 3 to 1, minimum burst of 1240 bar.

Operating Temperatures: +121°C to -40°C.

Filter Media: Wire mesh, cellulose or composite media; ratings 40 to 0.5 micron.

Element Collapse Rating: Standard 12 bar.

High Collapse: 207 bar.

Visual indicator on both sides is mechanically linked to by-pass valve. The indicator shaft is stainless steel fitted with viton seals as standard.

By-pass opens when pressure differential exceeds 6 bar.

Filter Head Material: SG Iron.

Filter Bowl Material: Steel Extrusion.

Weights (approximately): 24P-1 9 kg

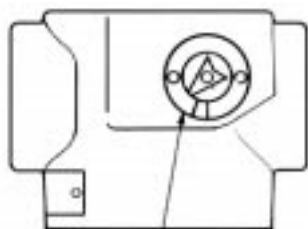
24P-2 11 kg

Optional Electrical Indicator with Hirschmann Type Connector. (For Plug Pin Code see chart below.)

Electrical Ratings				
Voltage	Resistive Load Amp	Tungsten Lamp Load NC - Amp - NO		Inductive Load Amp
AC				
125	10	2	1	10
250	10	1.5	1	10
380	6			6
480	5			5
DC				
Up to 15	15	3	1.5	15
30	10	3	1.5	10
50	3	0.8	0.8	2.5
75	1	0.6	0.6	0.5
125	0.5	0.5	0.5	0.07
250	0.25	0.25	0.25	0.03

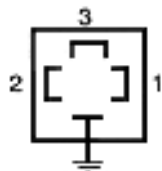
All dimensions in mm

Model 24P

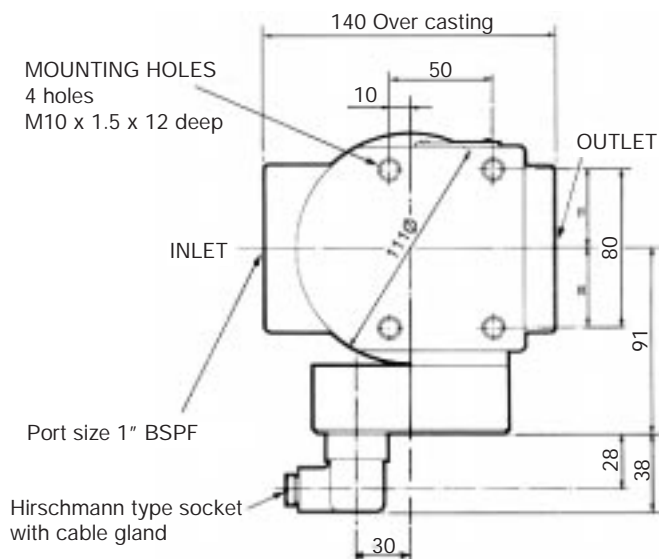
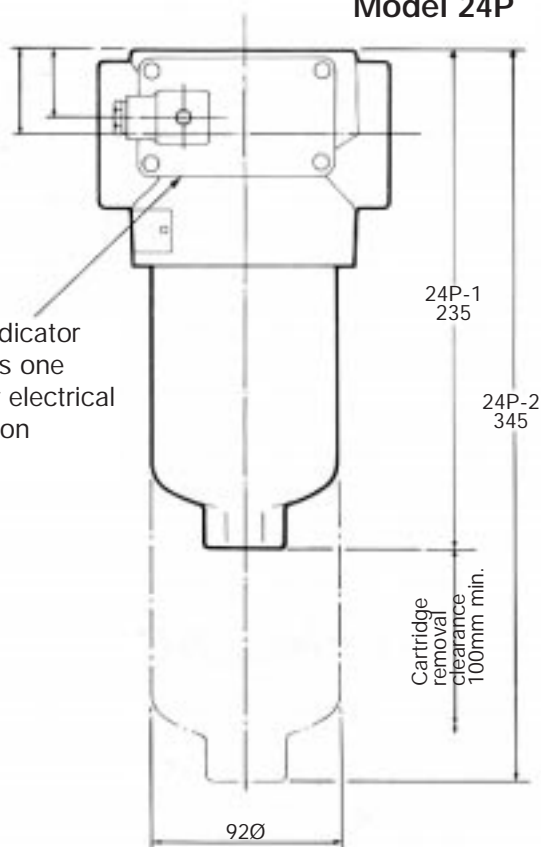


Visual indicator on each face

Optional electrical indicator either side. Replaces one visual indicator. (For electrical rating see specification above.)



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



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How to order filters

MODELS 14P-1, 24P-1, 34P-1 MODELS 14P-2, 24P-2, 34P-2

Select the feature you want from each of the eight boxes below. See the example below.

F3

24

P

1

10C

M

1

-

1: SEALS

0 Buna (standard)
F3* Viton (optional)
Indicator shaft seals are Viton as standard

2: MODEL

14
24
34

4: ELEMENT LENGTH

1 Single Length
2 Double Length

6: OPTIONAL INDICATORS

M Mechanical indicators
Standard on LH side and RH side
ME* Mechanical indicator LHS
electrical indicator RHS
MEL* Mechanical indicator RHS
electrical indicator LHS

Note: Left hand and right hand are when viewed on inlet port with bowl down.

7: MODIFICATIONS

1 With bypass
3* With bypass and magnets
11 No bypass
12* No bypass with magnets

8: DESIGN NUMBER

Applied to filter assembly by Parker Filter Division. Use the full filter model code, including the design number when ordering replacement parts, elements and cartridges.

5: FILTER MEDIA

40W Reusable wire mesh. 40 micron absolute.
25W Reusable wire mesh. 25 micron absolute.
20C Disposable cellulose. 20 micron nominal.
10C Disposable cellulose. 10 micron nominal.
10B Disposable composite. 10 micron absolute.
3B Disposable composite. 3 micron absolute.
10BH High collapse disposable composite. 10 micron absolute.
3BH High collapse disposable composite. 3 micron absolute.
The micron ratings shown are in accordance with ISO 2942.

STANDARD PORTS

14P - 1/2" BSPF
24P - 1" BSPF
34P - 1 1/4" BSPF

*Option affects price of filter.

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Replacement Element Part Numbers

Single length				Double length			
Media reference	Elements			Media reference	Elements		
	14P	24P	34P		14P	24P	34P
40W	G01367	G01279	G01066	40W	G01400	G01313	G01096
25W	G01368	G01280	G01067	25W	G01401	G01314	G01097
10B	G01369	G01281	G01068	10B	G01402	G01315	G01098
03B	G01370	G01282	G01069	03B	G01403	G01316	G01099
20C	G01371	G01283	G01070	20C	G01404	G01317	G01100
10C	G01372	G01284	G01071	10C	G01405	G01318	G01101
10BH	G01428	G01441	G01453	10BH	G01434	G01447	G01459
03BH	G01429	G01442	G01454	03BH	G01435	G01448	G01460

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