

High Pressure Filters

15P/30P Series

Part No. 30P-2-20Q-E2-50-NN-1

Applications for 15P/30P Series filters

- Saw mills
- Aircraft ground support equipment
- Asphalt pavers
- Hydraulic fan drives
- Power steering circuits
- Waste trucks
- Cement trucks
- Servo control protection
- Logging equipment

These application examples have one thing in common...the need for clean hydraulic fluid.

Modern high pressure hydraulic systems are demanding. Better controls and long component life are expected. To deliver the high standards of performance, hydraulic components are built with tighter tolerances which increases their sensitivity to contamination.

That's where Parker pressure filters come into play. They filter out ingressed contamination before it jams a valve or scores a cylinder. They block pump generated debris before it gets to servo or proportional valves. Parker pressure filters are a key ingredient in meeting today's system demands.

Put your hydraulic systems in the care of Parker Hydraulic Filter Division. We are committed to designing and building the best filters available to industry.

Indicators

- Both visual auto reset style and dual indicator visual/electrical style available to suit your application. New patented design resists false signaling due to vibration.

Bowl Construction

- Formed of high grade 6061 T6 aluminum
- Black anodized, corrosion resistant finish
- Knurled for easier gripping when removing and re-assembling

Bowl Configurations

- Single and double length bowls available to cover a wide range of flows
- 30P available in a duplex version.

Straight Thread Ports

- SAE straight thread for positive sealing

Bypass Valve (not visible)

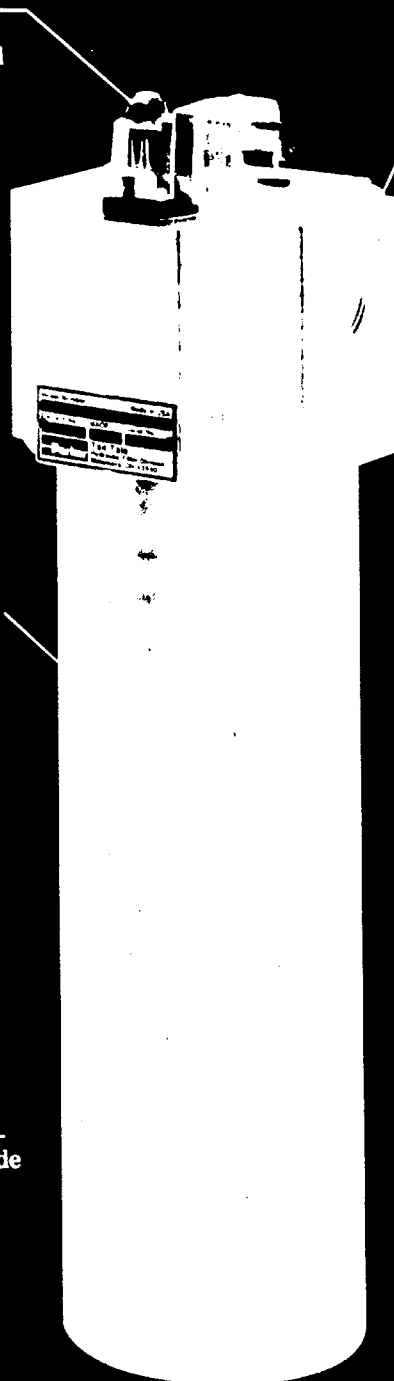
- May be blocked for critical applications

Hex (not visible)

- Hex formed at base of bowl for easy removal

Drain Port (not visible)

- Clean and easy servicing
- Lets you drain bowl before element changes



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Quality elements make the difference

The important item in a filter assembly is the element. It must capture and retain contaminants that can damage system components. At the same time it must allow flow to pass as freely as possible to perform its function.

There are many ways to design and build an element, and it's easy to produce a low cost element. However, cost is not the only selection criteria, especially when the risk is loss of critical machine performance.

For instance, wire mesh reinforcement. Not all filter elements have it. It's used in Parker elements to keep the pleats from bunching or collapsing. If pleats bunch, the effective surface area of the element is reduced, excessive pressure drop develops, and the filter assembly may go into premature bypass mode.

There are many other features that are included standard with every quality Parker element. The table below outlines several.

O-Ring Seal

- Positive sealing for optimum element efficiency

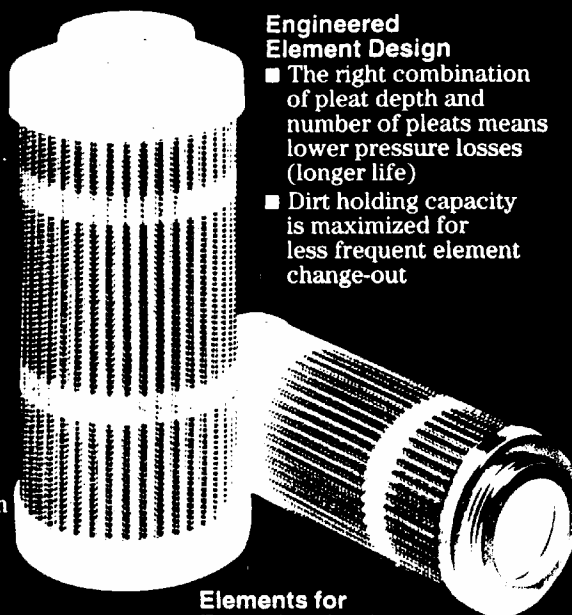
Wire

Reinforced Media

- Prevents pleat bunching
- Helps prevent media migration
- Maintains media efficiency

Zinc Dichromate End Caps (15P)

- Excellent corrosion protection
- Strong adhesion means no element separation



Engineered Element Design

- The right combination of pleat depth and number of pleats means lower pressure losses (longer life)
- Dirt holding capacity is maximized for less frequent element change-out

Elements for Every Application

- Standard Microglass II media for long life and excellent system protection

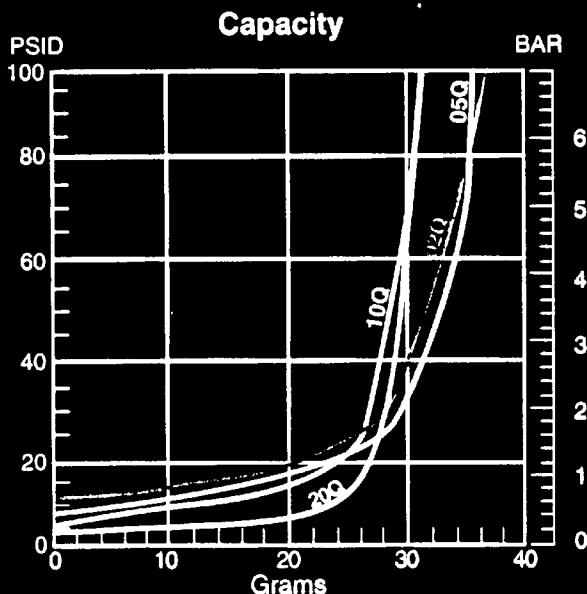
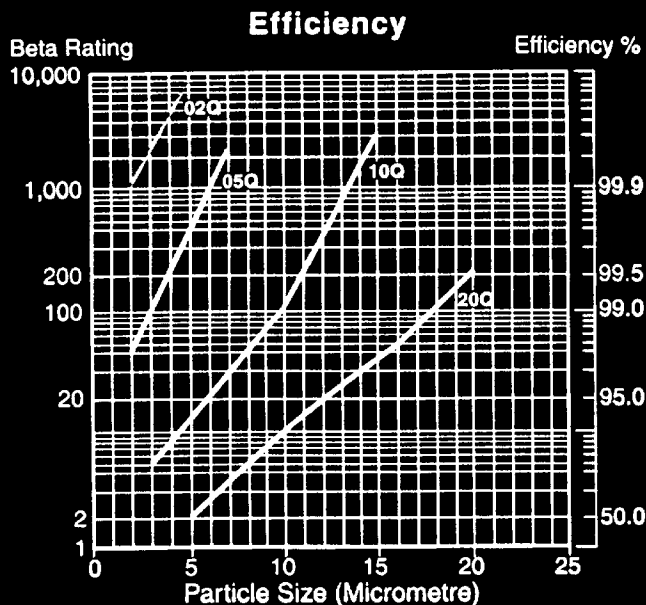
Feature	Advantage	Benefit
• Wire reinforced Microglass II elements	<ul style="list-style-type: none"> • Rugged construction, stands up to abuse of cyclic flows without performance loss • Wire support reduces pleat bunching, keeps pressure drops consistent 	• The reliable filtration provided assures equipment protection, reduces down-time, maximizes element life, and allows the hydraulic system to operate properly
• Multipass tested elements (per ANSI/NFPA T3.10.8.8 R1-1990)	• Filter performance backed by recognized and accepted laboratory test standards	• Filters you select have known performance levels
• Complete element performance data disclosure	• All pertinent information is provided in an easy-to-compare format	• Provides an easy guide to proper filter selection

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Parker Filtration

Parker Hannifin Corporation
 Hydraulic Filter Division
 Metamora, OH

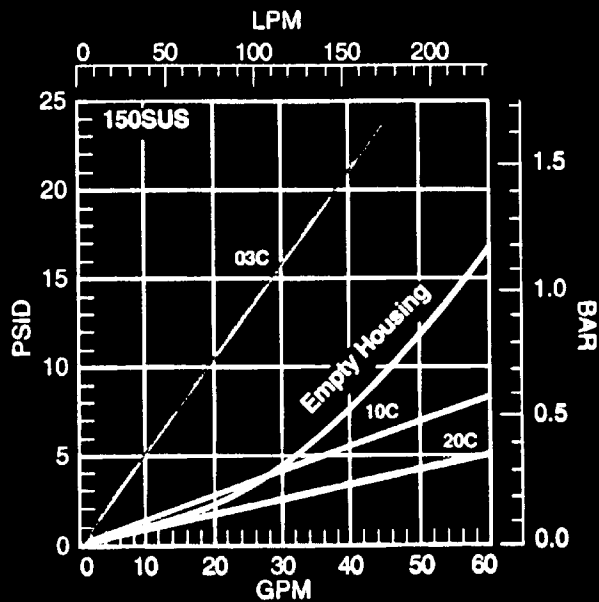
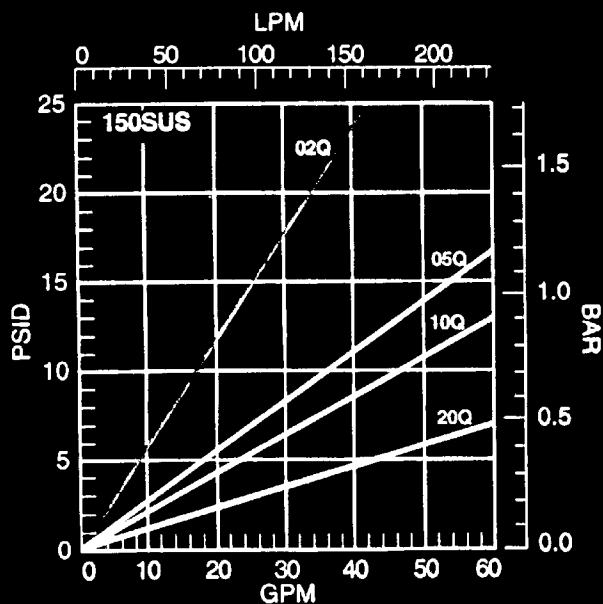
30P-2 Element Performance



Multipass tests run @ 30 gpm to 100 paid terminal - 5mg/L BUGL

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Flow vs. Pressure Loss



Parker Hannifin Corporation
Hydraulic Filter Division
Metamora, OH

High Pressure Filters

15P 30P Series

HOW TO ORDER:

Select the desired symbol (in the correct position) to construct a model code.

Example:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9
F3	30P	1	10Q	M2	50	NN	19	(Assigned By Parker)

Part No.

30P 2 20Q E2 50 NN 1

BOX 1: Seals	
Symbol	Description
None	Buna N (nitrile)
F3	Viton
E3	EPR

BOX 2: Basic Assembly	
Symbol	Description
15P	Pressure filter
30P	Pressure filter
30PD	Duplex style 30P

BOX 3: Length	
Symbol	Description
1	Single
2	Double

BOX 4: Element Media	
Symbol	Description
20C	Cellulose
10C	Cellulose
03C	Cellulose
20Q	Microglass II
10Q	Microglass II
05Q	Microglass II
02Q	Microglass II

Note: For high collapse rated (2000 psid) elements, add "H" behind Q. For 3000 psid collapse rated elements, add "X" behind Q.

BOX 5: Indicator	
Symbol	Description
N	No indicator, no pressure port
P	Port plugged
M2	Visual auto reset
H	Electrical indicator, w/ 3-14 NPT connection and 12' leads
E2	Electrical/visual (DIN 43650 Hirschman style connection)
E3	Electrical/visual (ANSI B93.55M 3-in Brad Harrison style connection)

Note: For side mount indicators, place "S" after indicator symbol. Not available on 30PD mode.

BOX 6: Bypass Or Indicator Setting	
Symbol	Pressure Setting
50	50 psid

Note: If "no bypass" option (-11) and an indicator is selected, "50" denotes indicator calibration.

BOX 7: Ports		
Model	Symbol	Description
15P	MM	SAE-12
15P	XX	3/4"-manifold porting
30P	NN	SAE-16
30P	XX	1"-manifold porting
30PD	NN	SAE-16

Note: Customer supplies suitable adaptor, or purchases optional Parker subplate.

BOX 8: Options	
Symbol	Description
1	None
11	No bypass
19	SAE-5 drain port on bowl
2*	No bypass and drain port

BOX 9: 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.	

REPLACEMENT ELEMENTS

Filter Model (viton seals)				
Media	15P-1	15P-2	30P/30PD-1	30P/30PD-2
20C	925576	925596	922625	925834
10C	925385	925394	922624	925835
03C	925578	925598	922923	925836
20Q	930369Q	930370Q	933135Q	933136Q
10Q	932612Q	932618Q	932624Q	932630Q
05Q	932611Q	932617Q	932623Q	932629Q
02Q	932610Q	932616Q	932622Q	932628Q
10QH	932615Q	932621Q	932627Q	932633Q
05QH	932614Q	932620Q	932626Q	932632Q
02QH	932613Q	932619Q	932625Q	932631Q
10QX	933577Q	933579Q	933581Q	933583Q
02QX	933576Q	933578Q	933580Q	933582Q

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