



aerospace climate control electromechanical filtration fluid & gas handling hydraulics pneumatics process control sealing & shielding





40SS Series

High Pressure Stainless Steel Filter





ENGINEERING YOUR SUCCESS.

40SS Series Applications

Together we can...

- Preserve the environment. Minimize waste and promote energy efficiency.
- Achieve worldwide filtration solutions. Build global confidence.
- Redefine new limits. Forge ahead with advanced technology.
- Keep contamination under control. Reduce maintenance costs.
- Enhance total system reliability. Focus on customer satisfaction.
- Reach optimum potential. Drill to greater depths.

...engineer your success.

Parker engineers have developed a new stainless steel medium pressure filter for higher flow applications in a cost effective patented design. This patented element interface requires an element to be installed in order to install the filter cover, guaranteeing full-time system protection. The interface also locks the element to the cover assembly, easing element removal during maintenance cycles. The new 3,000 psi 40SS series filter is ideally suited for applications in water and caustic solutions, or where harsh environmental conditions exist.

Typical Applications

- Mining
- Oil & Gas
- Power Gen
- Marine
- Refining
- Food & Beverage
- Primary Metals
- Pulp & Paper
- Refuse



Specifications

Pressure Ratings:

Maximum Allowable Operating Pressure (MAOP): 3,000 psi (206 bar)

Rated Fatigue Pressure:

3,000 psi (206 bar)

Design Safety Factor: 2.1

3:1

Operating Temperatures:

Buna: -40°F (-40°C) to 225°F (107°C) Fluorocarbon: -15°F (-26°C) to 275°F (135°C)

Element Collapsing Rating:

Standard: 300 psi (21 bar) High Collapse: 2,000 psi (138 bar)

Materials:

Head: Stainless Steel 304/304L Bowl: Stainless Steel 304/304L/17-4 Cover Assembly: 17-4 Stainless Steel Indicator: 300 Series Stainless Steel with Thermoplastic connectors

Weight (approximate): 65 lbs.



(See Ordering Model Code Options)

40SS Series Features



Drawings are for reference only. Contact factory for current version.

Parts List

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Parts List				
Ref.	Quantity	Part Number	Description	
1	1	942444	40SS Head - 2" BSPP	
1	1	942931	40SS Head - SAE32	
2	1	942735	40SS-2 Bowl	
3	1	942446	40SS Slip Thread Cover	
4	1	942453	M2 Stainless Steel Indicator	
4	1	943079	E2 Stainless Steel Indicator	
5	1	942508	Stainless Steel Indicator Plug	
6	1	929007	Stainless Steel SAE-4 (Viton) Plug	
7	1	942543	40SS Slip Thread Cover Back-Up Ring	
8	1	V92238	40SS Slip Thread Cover Viton O-Ring	
9	1	V92240	40SS Bowl Viton O-Ring	
10	1	942736	40SS Bowl Back-Up Ring	

Replacement Elements		
Ref.	Part Number	Standard Element
11	942914Q	Microglass, 2 micron
11	942915Q	Microglass, 5 micron
11	942916Q	Microglass, 10 micron
11	942917Q	Microglass, 20 micron
11	942920	Wire Mesh, 25 micron
11	942921	Wire Mesh, 74 micron
Ref.	Part Number	High Collapse Element
11	942918Q	Microglass, 10 micron
11	942919Q	Microglass, 20 micron



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-6

7 8

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40SS Series Element Performance



Results typical from Multi-pass tests run per test standard ISO 16889 @ 50 gpm to 100 psid terminal - 10 mg/L BUGL



Flow vs Pressure Loss

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Service & Maintenance Instructions



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
4055	2	10Q	В	M2	К	532	1

BOX 1: Fili	ter Series ^{1, 4}
Symbol	Description
40SS	High Pressure Filter, 100 GPM

Symbol	Description
2	Double Length

BOX 2: Element Length

BOX 3: Me Symbol	dia Code Description
Standar	d Element (Bypass only)
02Q	Microglass III, 2 micron
05Q	Microglass III, 5 micron
10Q	Microglass III, 10 micron
20Q	Microglass III, 20 micron
25W	Wire Mesh, 25 micron
74W	Wire Mesh, 74 micron

High Collapse (No Bypass only)		
10QH	Microglass III, 10 micron	
20QH	Microglass III, 20 micron	

BOX 4: Sea	BOX 4: Seals		
Symbol	Description		
В	Nitrile (NBR)		
V	Fluorocarbon (FKM)		
E ²	Ethylene Propylene (EPR)		

BOX 5: Ind Symbol	licator Description
M2	Visual
E2 ²	Electrical

BOX 6: By	pass/Indicator ³
Symbol	Pressure Setting
к	50 PSI (3.5 bar)

BOX 7: P	orts⁵
O	Description
Symbol	Description
600	CAE 20 (0.1/2 40 UNLOD)
332	SAE-32 (2-12 UN-2D)
000	
G32	2 6500 (150 220)

BOX 8: Opt	tions
Symbol	Description
1	With Bypass
2	No Bypass

Notes:

- 1. The filter includes the element you select already installed.
- 2. Consult factory for current availability.
- 3. When "2" is selected in box 8, indicator setting is 50 psid.
- 4. For D.I water applications, consult factory.
- 5. Consult factory for additional options.

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