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# Medium Pressure Inline Filter 12CS/50CS Series

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Part #: 50CS120QEBMLKS204

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The Parker 12CS/50CS Coreless Medium Pressure Spin-On Filter Series are the Smart Alternative to Spin-on Cans. Max allowable operating pressure of 500 PSI/34.5 Bar and capable of flows up to 50 GPM/190 LPM depending on viscosity.

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## Technical Specifications

Options:	Drain port	Port Type:	SAE-20 integral threads
Seal Material:	Nitrile	Indicator Type:	Visual with push to test, left
Indicator Type:	Visual with push to test, left	Indicator Pressure Setting:	50 psid (3.5 bar)
Flow Rate:	55 gpm (208 lpm)	Options:	Drain port
Port Connection Type:	SAE-20 integral threads	Housing Material:	Aluminum
Micron Rating:	20Q Microglass	Filter Element Type:	Coreless
Bypass Valve Pressure Rating:	50 psid (3.5 bar)	For Fluid Type:	Mineral, Petroleum and Polyalphaolefin (PAO) based fluids
Mounting Style:	Inline	Maximum Operating Temperature:	225 F (107 C)
Pressure Rating:	500 psi (34.5 bar)	Weight:	6 lbs (2.7 kg)
Flow Rate:	55 gpm (208 lpm)	Compatible Element:	940819Q
Micron Rating:	20Q Microglass	Product Style:	Hydraulic Filter
Seal Material:	Nitrile	Product Type:	Hydraulic Filter
Bypass Valve Pressure Rating:	50 psid (3.5 bar)		

[Safety Warning](#)

## Item Information

Prior to the availability of Parker's 12CS/50CS filter series, applications were restricted by limitations of a spin-on can or were forced into the higher cost range of high pressure filters. Spin-on cans disposed of each year in North American Landfills total over 500,000,000! The wasteful can also contains 30,000,000 gallons of discarded residual waste oil, and 250,000 tons of scrap metal. All can waste amounts to very expensive disposal costs and environmental concerns. The need for economical, medium pressure range filters with patented Microglass elements have been met by Parker.

Parker engineers have developed an innovative alternative to the age-old spin-on style can. The Parker 12CS/50CS Coreless Medium Pressure Spin-On Filter Series design provides all of the benefits of high efficiency, long life Microglass filtration, without the negative environmental impact.

The environmentally-friendly 12CS and 50CS hydraulic filters feature a reusable bowl and a patented filter element constructed of reinforced stainless steel, microglass media, and polymer pleat support. Along with the features already mentioned, Parker engineers have incorporated a unique differential indicator with no external oil ways that also reduces any environmental concerns.

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The element core is permanently attached as part of the filter bowl. When replaced, the element reduces costs, eliminates hot drain requirements, can be easily incinerated, and is better-suited for most landfills.

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The 500 psi filters are rated up to 50 gpm, with premium Microglass elements as standard offerings. The patented element design also prevents filter operation if the proper element is not in place.

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Economical, Ruggedly Designed, and Environmentally Friendly, the Parker 12CS/50CS Coreless Medium Pressure Spin-On Filter Series is an ideal filtration solution for many hydraulic systems needs.

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Features and Benefits:

**Solutions** Assembly with Reusable Bowl is an Improved, Cost-Effective Design and Easy to Maintain

**Where to Buy** Operating Pressure Withstands Pressure Surges for Application Versatility

- Permanent Core as part of Bowl Assembly
- Zero Leakage Bypass Valve
- Drip Edge to Avoid Moisture Collection
- Flow Diverting Overmolded Top Endcap Provides Head/Bowl Seal
- Analog or Switch Indicator Option for Predictive Maintenance
- Indicators Sense Delta P with No External Oil-Ways
- Rugged Design for Mobile Applications
- Upgrade for Spin-on Can Applications Available
- Low Cost Manifold Mount Option Available

Typical Applications:

- Mobile Ag
- Mobile Construction
- Material Handlers
- Aerial Lifts
- Pilot Lines
- Charge Pump Hydrostatic Drives
- Industrial Power Units
- Machine Tools
- Joy Stick Controls

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