



Advantage™ Sanitary Vessels

■ 316L Stainless Steel

Electropolished Filter Vessel Series

Achieve Sterile Filtration of Aqueous Solutions, Air and Gas

Parker's Advantage sanitary electropolished filter vessels for sanitary applications provide the ultimate in vessel performance and durability for the most demanding, high purity liquid filtration requirements.

Applications

- Pharmaceutical
- Veterinary
- Food & Beverage
- Biotechnology
- Medical & Medical Device
- Laboratory



Features and Benefits

- 316L Stainless steel provides lasting durability, thermal, mechanical and chemical compatibility.
- Cast clamp closure for 1 round and swing bolt closure for multiple round vessels.
- Exteriors are electropolished to 32 Ra for fast and easy surface cleaning.
- T-Style designs provide easy cartridge replacement without disconnecting lines.
- Interiors are electropolished to a maximum of 25 Ra for fine, mirror-like finish which minimizes the risk of contamination, improves cleanability and enhances corrosion resistance.
- Optional sanitary drain and vent valves enable complete drainage of liquids after filtration and simplify filter removal.
- Sanitary vents and drains facilitate sampling, integrity testing, venting, and safe and easy draining.
- Triclamp flange inlets and outlets allow easy dismantling of parts for fast and simple cleaning.
- Machined filter cup ensures reduced holdup volume and proper O-ring seal for 222 or 226 single-open-end element seals.
- Standard design is ASME code without stamp. Stamp is optional.

Process Filtration Division



Specifications

Size	Maximum Flow Rate	Connection Options
1-Round	25 gpm (94.4 lpm)	1"
3-Round	75 gpm (283.5 lpm)	1.5"
5-Round	125 gpm (469 lpm)	2"
7-Round	175 gpm (661.5 lpm)	2"
12-Round	300 gpm (1,134 lpm)	3"

Operating Conditions:

- Multiple element design pressure and temperature 150 psig (10.3 bar) at 200°F (93°C) and full vacuum.
- Hydrostatic Testing Conditions 225 psig (15.5 bar)
- Single element design pressure and temperature 250 psi (liquid), 125°psi (gas) at 100°F (38°)

Design Features:

- All vessels have T-style inlet and outlet connection.
- Multiple element vessels have legs.
- Single element vessel is supported by piping only. Not available with legs.
- Single element vessel design is non-code. Multiple element design vessels are ASME code design without stamp. Code stamp is optional.

Ordering Information

<p>P</p> <p>Parker Filtration</p>	<p>S</p> <p>S = Sanitary</p>	<p>Abbreviations: TC = Triclamp EP = Electropolish</p>							
<p>C</p> <p>Finish</p> <p>A = 10Ra/32Ra/EP B = 20Ra/32Ra/EP C = 25Ra/32a/EP</p>	<p>01</p> <p>No. of Cartridges Around</p> <p>01 = 1 Rd 03 = 3 Rd 05 = 5 Rd 07 = 7 Rd 12 = 12 Rd</p>	<p>N</p> <p>Code Rating</p> <p>C = ASME code w/o stamp N = Non-Code</p>	<p>1</p> <p>Bowl Length (in)</p> <p>0 = 5 1 = 10 2 = 20 3 = 30 4 = 40</p>	<p>8</p> <p>Cartridge Code</p> <p>7 = 226 Fin or Cap 8 = 222 Fin or Cap</p>	<p>B</p> <p>Drain</p> <p>A = 1/4" Sample Valve B = 1/2" TC H = None</p>	<p>B</p> <p>Vent</p> <p>A = 1/4" Sample Valve B = 1/2" TC H = None</p>	<p>C</p> <p>Connection</p> <p>A = 1" TC C = 1.5" TC E = 2" TC G = 3" TC</p>	<p>S</p> <p>Seal Material</p> <p>E = EPDM S = Silicone V = Viton* T = PTFE encapsulated Viton</p>	

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Parker Hannifin Corporation

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