

# ADVANTAGE™ SANITARY VESSELS

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.

## BENEFITS

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

## APPLICATIONS

- Pharmaceutical
- Veterinary
- Food & beverage
- Laboratory
- Medical & medical device
- Biotechnology

## SPECIFICATIONS

### Design Features:

- All vessels have T-style inlet and outlet connection.
- Multiple element vessels have legs.
- Single element vessel is supported by piping only.
- Single element vessel design is non-code.
- Multiple element design vessels are ASME code design without stamp.
- Code stamp is optional.

### 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°F psi (gas) at 100°F (38°)

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## PERFORMANCE ATTRIBUTES

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"

## ORDERING INFORMATION

Finish		No. of Cartridges Around		Code Rating		Bowl Length (in)		Cartridge Code		Drain		Vent		Connection		Seal Material	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	RATING	CODE	INCH	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCH	CODE	DESCRIPTION	CODE	DESCRIPTION
A	10Ra/32Ra/EP	01	1 Rd	C	ASME code	0	5	7	26 Fin or Cap	A	1/4" Sample Valve	A	1/4" Sample Valve	A	1" TC	E	EPDM
B	20Ra/32Ra/EP	03	3 Rd		w/o stamp	1	10	8	222 Fin or Cap	B	1/2" TC	B	1/2" TC	C	1.5" TC	S	Silicone
C	25Ra/32a/EP	05	5 Rd	N	Non-Code	2	20			H	None	H	None	E	2" TC	V	Viton*
		07	7 Rd			3	30							G	3" TC	T	PTFE encapsulated Viton*
		12	12 Rd			4	40										

## TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker Hannifin Corporation provides our customers with unsurpassed product consistency and cost-efficiency. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor.

Parker Hannifin Corporation designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.

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