

# ZVA Housings

- air / gas

- Sanitary range air / gas housing
- Specifically designed for the Pharmaceutical industry
- Laboratory and pilot scale to large industrial applications
- Flow efficient design with low pressure drop
- Steam jacketed and electrically heated options



## Specification

### Materials of Construction

- Housing: 316L Stainless Steel
- Seals: EPDM

### Surface Finish

- Multis - Basic Specification
  - Internal: Inside of outlet assy and distribution box to be mechanically polished 0.8 µm Ra. Immerse entire vessel to achieve 100% pickle and passivation.
  - External: Grit blast 5 µm Ra mean

### Multis - Full Specification

- Internal: Electropolish 0.6 µm Ra
- External: Bright Polished 0.4 µm Ra

**Maximum Allowable Working Pressure (MAWP) PS**  
6 barg ( 87.0 psig)

**Maximum Allowable Working Temperature (MAWT) TS**  
120 °C (248 °F)

**Maximum Allowable Working Pressure Steam**  
3 barg (43.5 psig) @ 144 °C (291 °F)

### Total Volume (litres)

031	032	033
31.0	40.0	49.0
051	052	053
45.0	58.0	72.0

### Design Code

Housings designed in accordance with the European Council Pressure Equipment Directive (PED) 97/23/EC and the UK statutory Pressure Equipment Regulations (PER) 1999 N° 2001. PED / PER conformity assessments based on Fluid Group 2 Gas (harmless) including steam. Only housings over PS.V 50 bar / litres bear the CE mark.

### Design Basis

ASME VIII Division 1.

### Custom Design

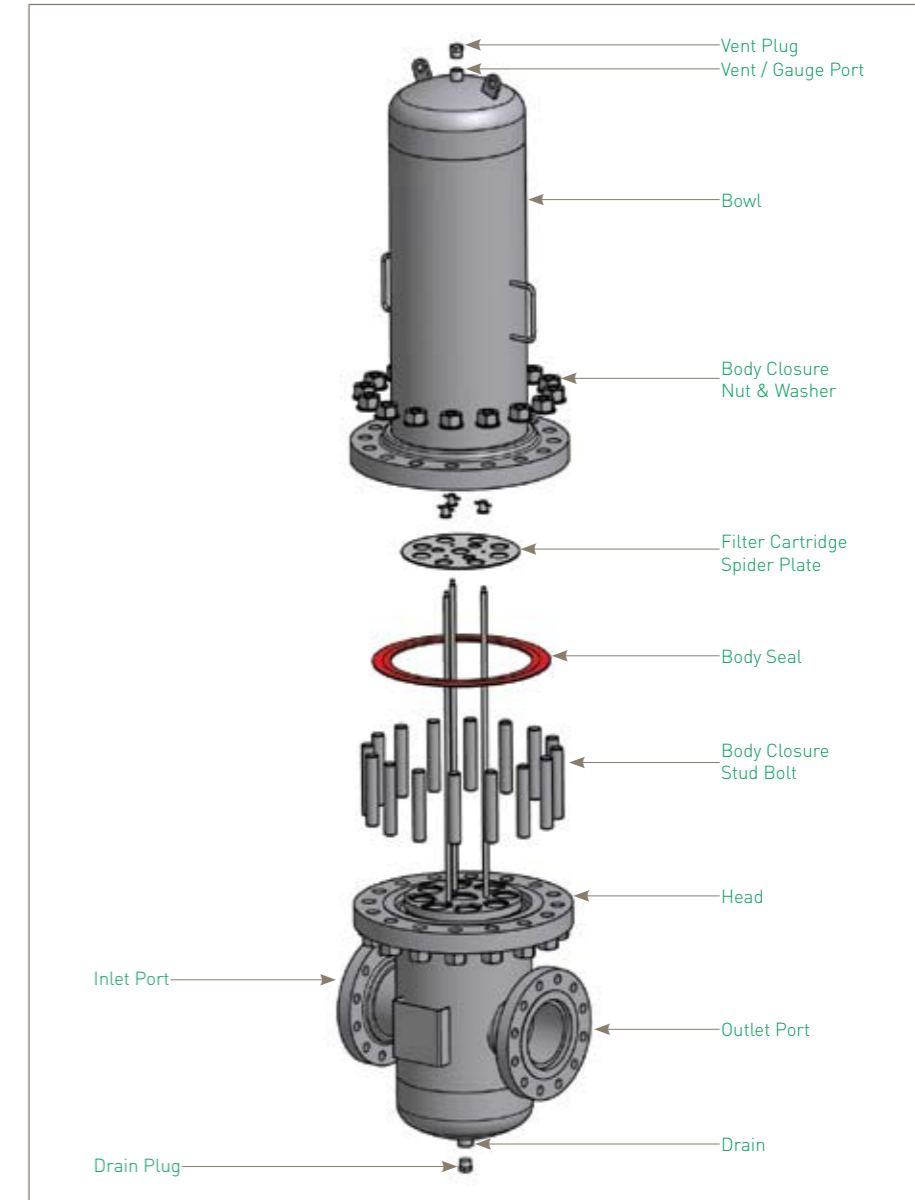
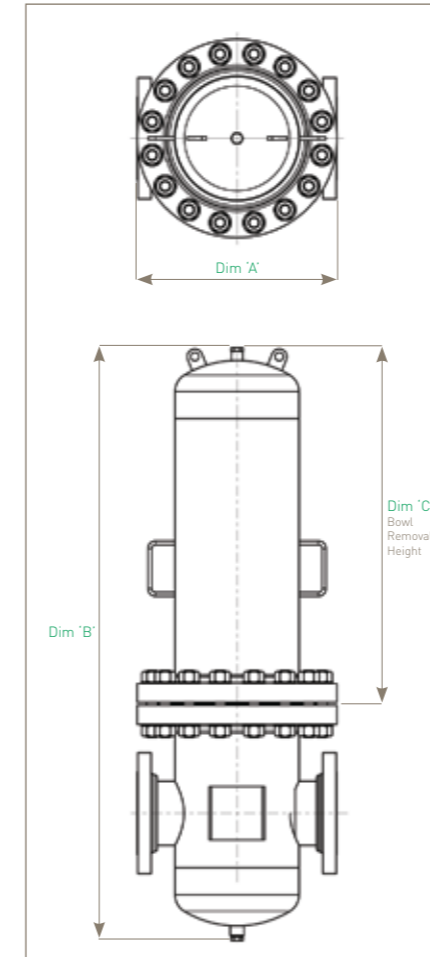
Parker domnick hunter offers a specialist and fabrication service allowing individual customer system specifications to be met.

# ZVA Housings

## Physical Characteristics

Bowl Height	Dimensions (mm)			Typical Weight (Kg)
	'A'	'B'	'C'	
10" (250 mm)	336	794	320	43.0
20" (500 mm)	336	1044	570	47.0
30" (750 mm)	336	1294	820	50.0

Dimensions shown are for a ZVACE 3 round, 3" ANSI inlet / outlet connections. For the full range of dimensions and weights, please contact Parker domnick hunter.



## Ordering Information

Code	Vessel Class	Code	N° of Cartridges	Code	Length (Nominal)	Code	Connection Size	Code	Connection Type	Code	Connection Standard	Code	Vent / Drain Conn. Type	Code	Surface Finish
CE	Standard	03	3	1	10" (250 mm)	D	3"	F	Flanged	A	NPT / ANSI			C	Economy Spec
		05	5	2	20" (500 mm)	E	4"	W	Weld Prepared	N	Nominal Bore	B	BSPP	F	Full Spec
		09	9	3	30" (750 mm)	G	6"			I	ISO				
		15	15			H	8"								

Note: For accessories, i.e. gauges, please contact Parker domnick hunter - Process Division for full availability.

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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)