

## 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

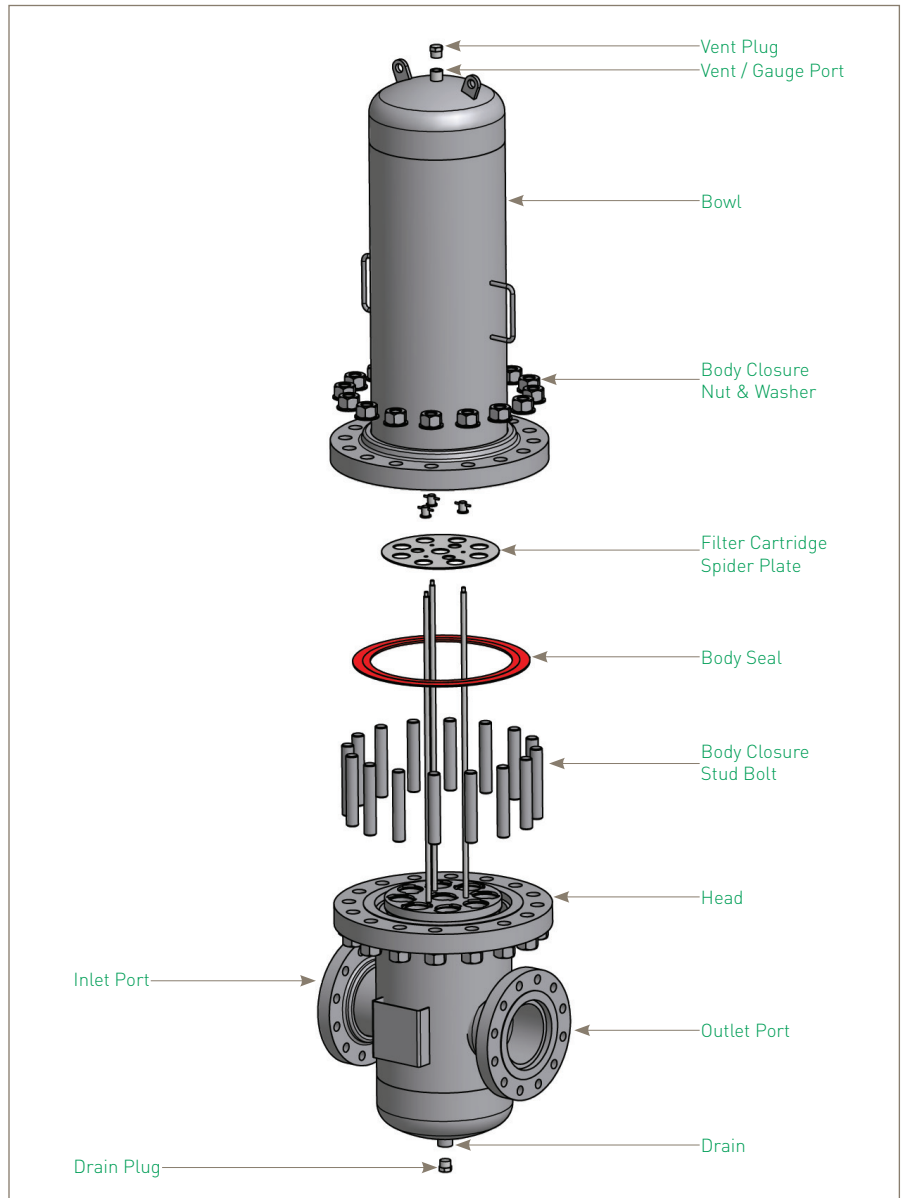
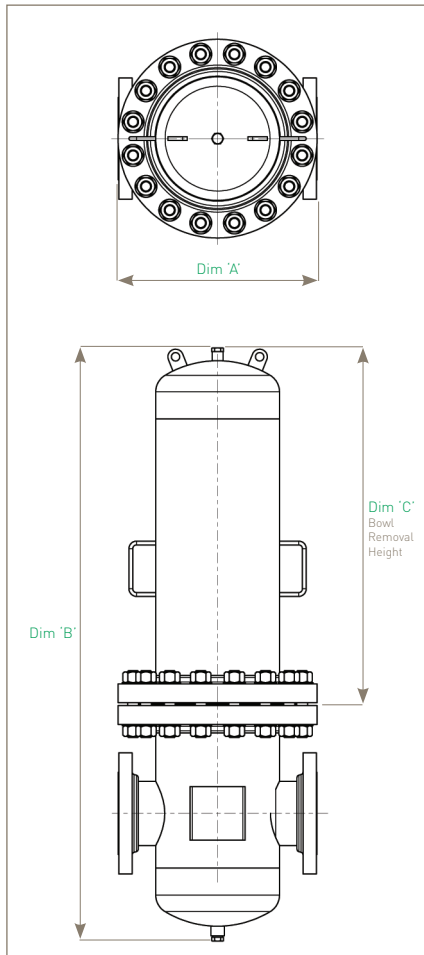
Parker domnick hunter offers a specialist and fabrication service allowing individual customer system specifications to be met.

## 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.

**Note: All housings are fully vacuum rated.**



## 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 05 5 09 9 15 15	1 10" (250 mm) 2 20" (500 mm) 3 30" (750 mm)	D 3" E 4" G 6" H 8"	F Flanged W Weld Prepared	A NPT / ANSI N Nominal Bore I ISO	B BSPP	C Economy Spec F Full Spec

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