

- 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

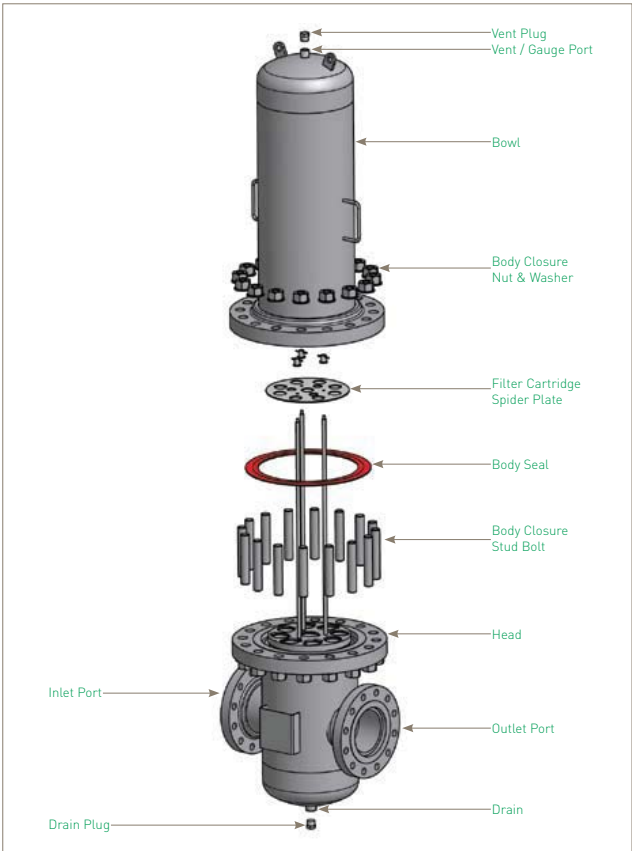
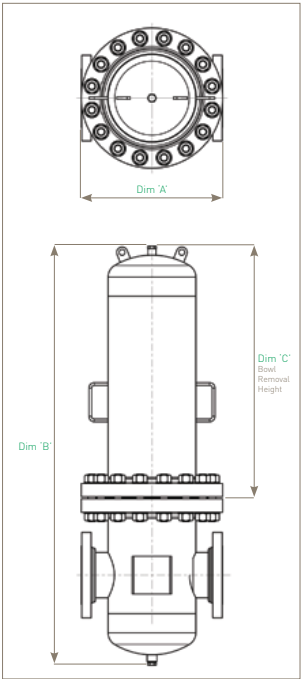
- air / gas



### 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

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

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