

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
- Custom design service available, includes options for
 - ATEX Compliance
 - ASME U-stamp



Specification

Materials of Construction

- Housing: 316L Stainless Steel
- Seals: EPDM (FDA)

Surface Finish

- Multis - Standard
 - 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 - Polished
 - 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 |

Directive

Housings designed in accordance with the European Council Pressure Equipment Directive (PED).

Design Basis

ASME VIII Division 1.

Custom Design / SPECIALS

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

Approvals

EAC 032-2013, (No. RU C-GB.AM01.B.00094)
Approval type: Import Certificate, TR CU
Pressure Equipment (available on request)

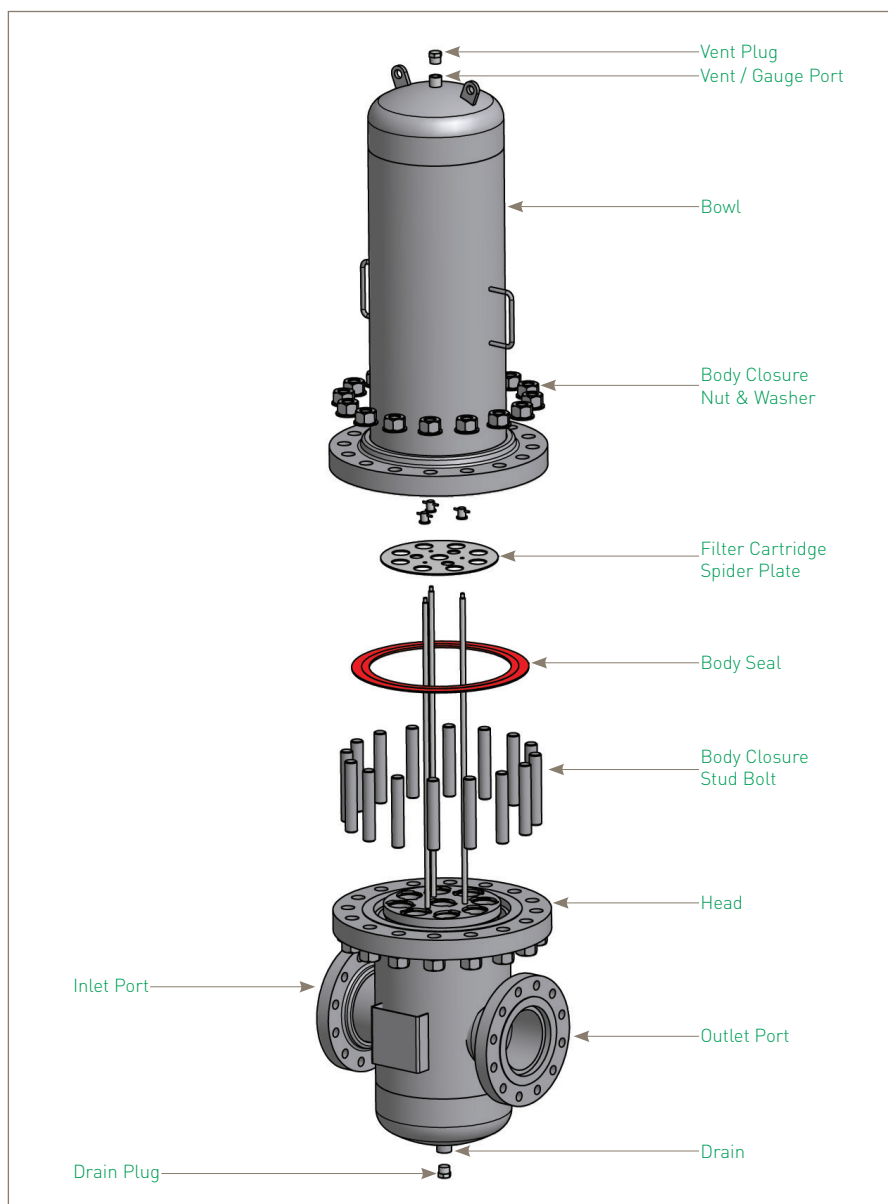
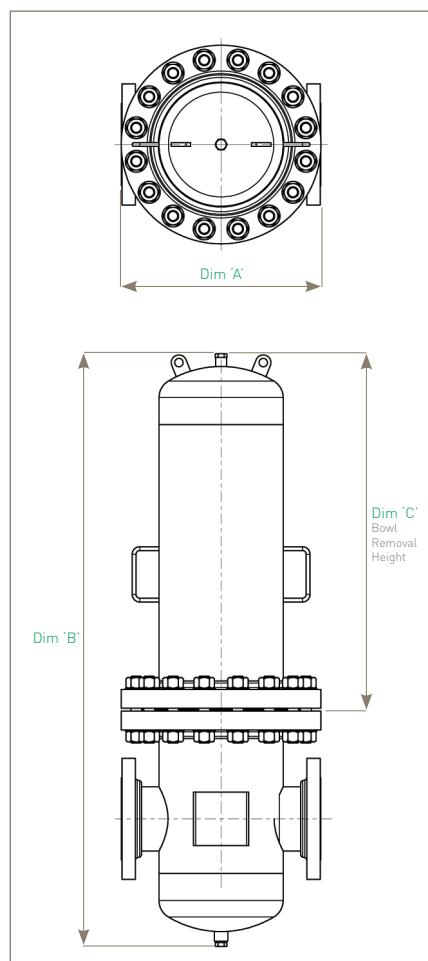


Physical Characteristics

| 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 CL150 inlet / outlet connections. For the full range of dimensions and weights, please contact Parker domnick hunter.

Note: All housings are full vacuum rated.



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 | | 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 <div>NPS Sch40s</div> | | A NPT / ANSI N Nominal Weld End I EN1092-1 PN16 | | B BSPP (G) / ISO 228 | | C Standard F Polished | |
| | | Connection Code | | | | | | | | | | | | | |
| ZVACE 03 | | 3" Connections D | | | | | | | | | | | | | |
| ZVACE 05 | | 4" Connections E | | | | | | | | | | | | | |
| ZVACE 09 | | 6" Connections G | | | | | | | | | | | | | |
| ZVACE 15 | | 8" Connections H | | | | | | | | | | | | | |

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

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.