

# VSH Multi Housings

- beverage



- Multi-element sanitary liquid housing
- Designed specifically for the food and beverage industry
- High quality crevice free construction
- Available in 3 to 30 round versions
- Steam sterilisable

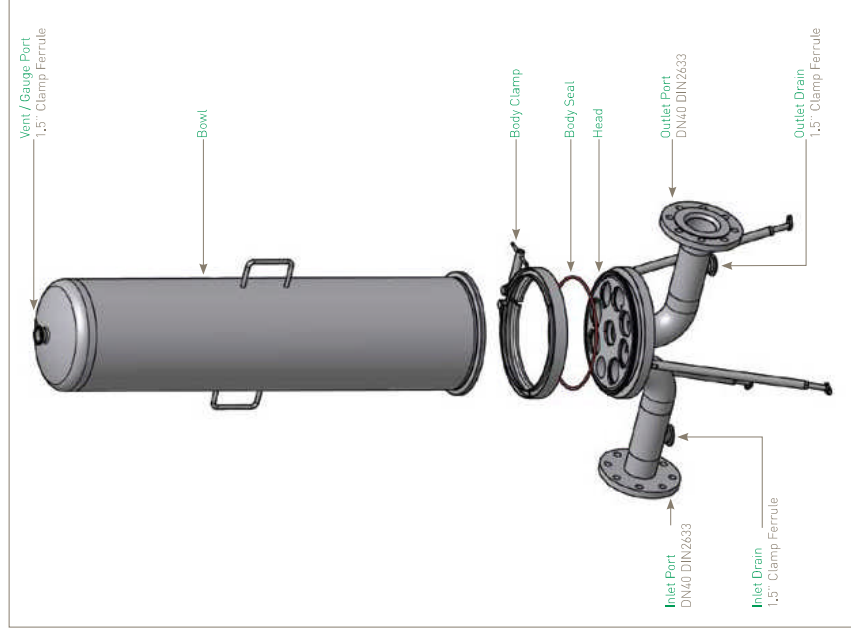
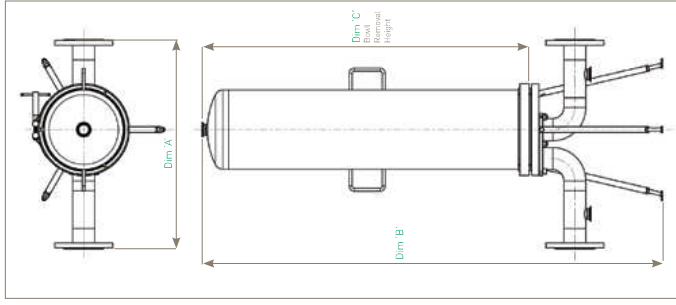


# VSH Multi Housings

## Physical Characteristics

Type	Dimensions (mm)	Typical Weight (kg)
	A B C	
10" (250 mm)	606 800 290	27.0
20" (500 mm)	606 1060 500	30.0
30" (750 mm)	606 1310 790	33.0
40" (1000 mm)	606 1560 1000	36.0

Dimensions shown are for an 8 Round VSH. DIN/DIN2633 inlet / outlet connections. For the full range of dimensions and weights, please contact Parker domnick hunter.



## Specification

- Materials of Construction**
  - Housing: 316L Stainless Steel
  - Seals: Silicone
- Surface Finish**
  - Internal: Mechanically Polished Ra <math>\le 0.8 \mu\text{m}</math>
  - External: Mechanically Polished

## Steam Sterilisation

Refer to Parker domnick hunter for individual housing parameters.

## Design Code

Housings designed in accordance with the European Council Pressure Equipment Directive (PED) 97/23/EC and the UK statutory pressure equipment regulations (P) 1999 N° 2001.

## 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.

Note: For 12, 18, 24 and 30 Round options, please contact Parker domnick hunter for detailed technical drawings.

Fluid Group	Working Condition PED 97/23/EC				Maximum Pressure			
	State	Temperature	081	082	083	084		
Dangerous	Liquid	0 - 40°C (0 - 104°F)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)		
	Liquid	150°C (302°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
Non Dangerous	Liquid	0 - 40°C (0 - 104°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	150°C (302°F)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)		
	Liquid	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
Volume (litres)							7.3 12.6 17.8 20.1	
Dangerous	Liquid	0 - 40°C (0 - 104°F)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)		
	Liquid	150°C (302°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
Non Dangerous	Liquid	0 - 40°C (0 - 104°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	150°C (302°F)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)		
	Liquid	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
Volume (litres)							11.0 20.0 29.1 38.2	
Dangerous	Liquid	0 - 40°C (0 - 104°F)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)	10.00 barg (145.00 psig)		
	Liquid	150°C (302°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)	6.80 barg (98.00 psig)		
Non Dangerous	Liquid	0 - 40°C (0 - 104°F)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)	7.50 barg (108.80 psig)		
	Liquid	150°C (302°F)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)	5.00 barg (72.50 psig)		
	Liquid	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
	Gas / Vapour	0 - 150°C (0 - 302°F)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)	4.50 barg (65.20 psig)		
Volume (litres)							21.3 35.3 49.7 63.7	
PED Conformity Assessment Category							GATI GATI GATI GATI	

## Ordering Information

Code	W/seat Class	Code	N° of Cartridges	Code	Length (Nominal)	Code	Connection Standard	Code	Connection Type	Code	Connection Size	Code	Material	Code	Seal
DE	Standard	03	3	1	10" (250 mm)	B	NPT / ANSI	A	DIN Male	C	1.5" & 2"	D	316L	E	EPDM
		08	8	2	20" (500 mm) <td>C <th>BSPP / DIN</th> <th>B</th> <th>SMS Male</th> <th>M</th> <th>1.5" &amp; 2"</th> <th>D</th> <th>316L</th> <th>S</th> <th>EPDM</th> </td>	C <th>BSPP / DIN</th> <th>B</th> <th>SMS Male</th> <th>M</th> <th>1.5" &amp; 2"</th> <th>D</th> <th>316L</th> <th>S</th> <th>EPDM</th>	BSPP / DIN	B	SMS Male	M	1.5" & 2"	D	316L	S	EPDM
		08	8	3	30" (750 mm) <td>X <th>BSPP / DIN</th> <th>D</th> <th>RJT Male</th> <th>R</th> <th>2.5"</th> <th>I</th> <th>316L</th> <th>T</th> <th>Tri-Clamp</th> </td>	X <th>BSPP / DIN</th> <th>D</th> <th>RJT Male</th> <th>R</th> <th>2.5"</th> <th>I</th> <th>316L</th> <th>T</th> <th>Tri-Clamp</th>	BSPP / DIN	D	RJT Male	R	2.5"	I	316L	T	Tri-Clamp
		12	12	4	40" (1000 mm) <td>E <th>ISO</th> <th>I</th> <th>Tri-Clamp</th> <th>T</th> <th>4"</th> <th>W</th> <th>316L</th> <th>V</th> <th>Weld Prepare</th> </td>	E <th>ISO</th> <th>I</th> <th>Tri-Clamp</th> <th>T</th> <th>4"</th> <th>W</th> <th>316L</th> <th>V</th> <th>Weld Prepare</th>	ISO	I	Tri-Clamp	T	4"	W	316L	V	Weld Prepare
		18	18	24	24	24									
		30	30	30	30	30									

N° of Cartridges Connection Size Availability  
 03 1.5" 2" 2.5" 3" 4"  
 08 1.5" 2" 2.5" 3" 4"  
 12 1.5" 2" 2.5" 3" 4"  
 18 1.5" 2" 2.5" 3" 4"  
 24 1.5" 2" 2.5" 3" 4"  
 30 1.5" 2" 2.5" 3" 4"

Note: 3, 5 and 8 Round housings available with 10", 20", 30" and 40" bowls  
 12, 18, 24 and 30 Round housings available with 20" and 30" bowls only

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