

# Technical Information Sheet

Product Code: 8E300X



## 8" End Port Pressure Vessel

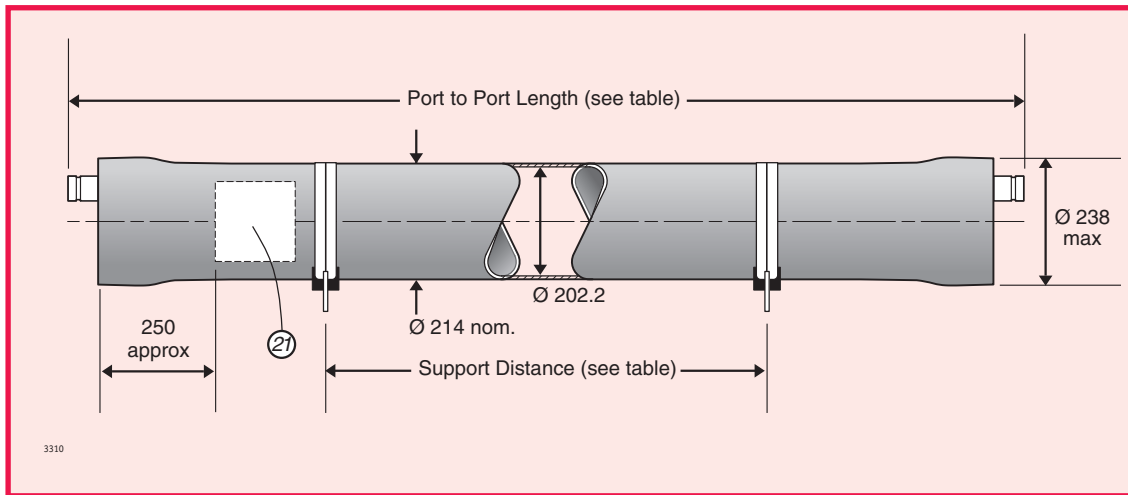
**END PORT**

**300 psi (20.7 bar)**

**ASME X**

Working Pressure: **300 psi**  
 Assembly Drawing: **1MNC 3310**

Working Temperature: **-7 to 45°C**  
 Design Code: **ASME X**



Body of vessel is manufactured completely from glass reinforced epoxy resins.

Please advise membrane type and length when requesting further details.

Pressure vessels can be produced to cover all leading manufacturers membranes regardless of length.

Please adhere to recommended support positions, if in doubt contact Phoenix Vessels.

Feed and concentrate connections: 1.5" Victualic

Product connections: 1.0" BSP Parallel (Male)

No of 40" Elements	Port to Port Length +/-7mm	Support Distance		Max Dry Weight
		2 Supports Max/Min	3 Supports Max/Min	
1	1591	1100 700	- -	26 kg
1.5	2099	1400 1000	- -	30 kg
2	2607	1700 1300	- -	34 kg
3	3623	2400 1800	2400 1800	42 kg
4	4639	2950 2450	3250 2450	50 kg
4.5	5147	3200 2800	3700 2800	54 kg
5	5654	3450 3150	4150 3150	60 kg
6	6671	4000 3800	5000 3800	69 kg
7	7687	- -	5850 4850	78 kg
7.5	8195	- -	6200 5350	82 kg

All dimensions in mm  
 All dimensions and weights are nominal unless stated otherwise.

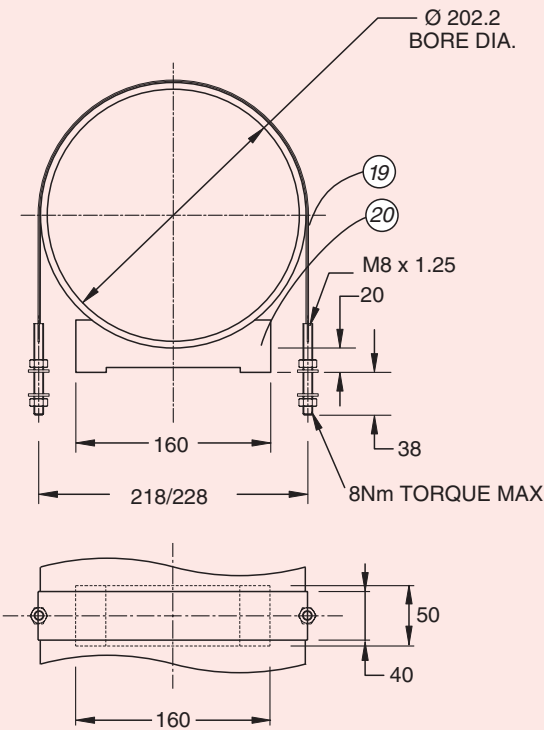
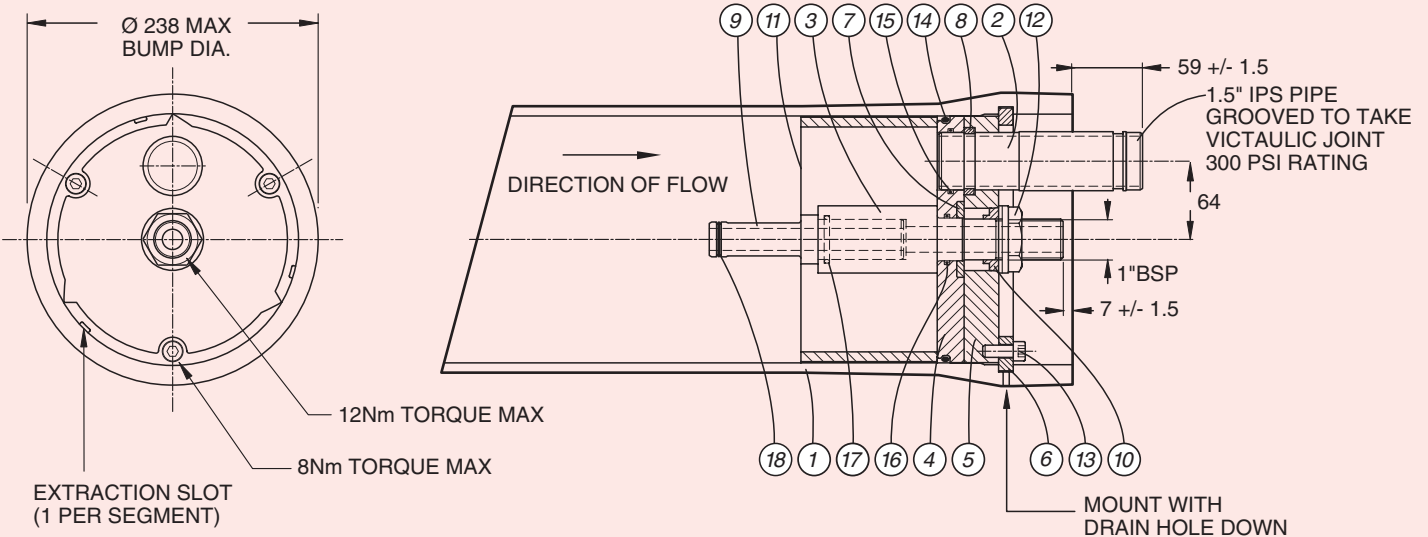
**Phoenix Vessels**

# 8" End Port Pressure Vessel

300 psi (20.7 bar)

END PORT

ASME X



Item	Description	Material	Part No	No. off
1	Vessel Body	Glass Fibre Epoxy Resin	PVL - 3108	1
2	Feed Concentrate Port	Stainless Steel 316L	PVL - 1183	2
3	Product Tube	Thermoplastic	PVL - 1945	2
4	End Plate	Thermoplastic	PVL - 1952	2
5	Backing Plate	Anodised Aluminium 6061-T6	PVL - 1636	2
6	Retaining Ring	Stainless Steel 316	PVL - 1886	2
7	Support Washer	Stainless Steel 316	PVL - 1888	2
8	Retaining Ring (Port)	Stainless Steel 316	PVL - 1176	2
9	Spacer Shims	Thermoplastic	PVL - 1674	8
	Adaptor	Thermoplastic	To suit membrane	2
10	Anti-rotation Collet	Thermoplastic	PVL - 1892	2
11	Thrust Ring	Thermoplastic	PVL - 1228	1
12	1" BSP Backnut	Thermoplastic	PVL - 1179	2
13	Cap Head Screw	Stainless Steel Grade A4	CMP 1520	6
14	'O' Seal Endplate	EPDM	SIZE BS 882	2
15	'O' Seal Feed Port	EPDM	SIZE BS 225	2
16	'O' Seal Prod/Endplate	EPDM	SIZE BS 220	2
17	'O' Seal Prod/Adaptor	EPDM	SIZE BS 219	2
18	'O' Seal Adaptor	EPDM	To suit membrane	2/4
19	Strap	Stainless Steel/Neoprene	PVL - 1211	2/3
20	Saddle	Urethane	PVL - 1075	2/3
21	Nameplate	Vinyl		1

Tighten all bolts/nuts to 50% of the maximum torque figure.  
DO NOT EXCEED THE MAXIMUM TORQUE.

For lubricants and general assembly refer to the User Guide.

The company reserves the right to alter specifications without prior notice.



## Phoenix Vessels Ltd

Unit 2, The Old Bakery, Lower Tuffley Lane, Gloucester GL2 5DP  
 Telephone: (01452) 311673 Fax: (01452) 310295  
 e-mail: info@phoenixvessels.co.uk  
 Internet: www.phoenixvessels.co.uk

