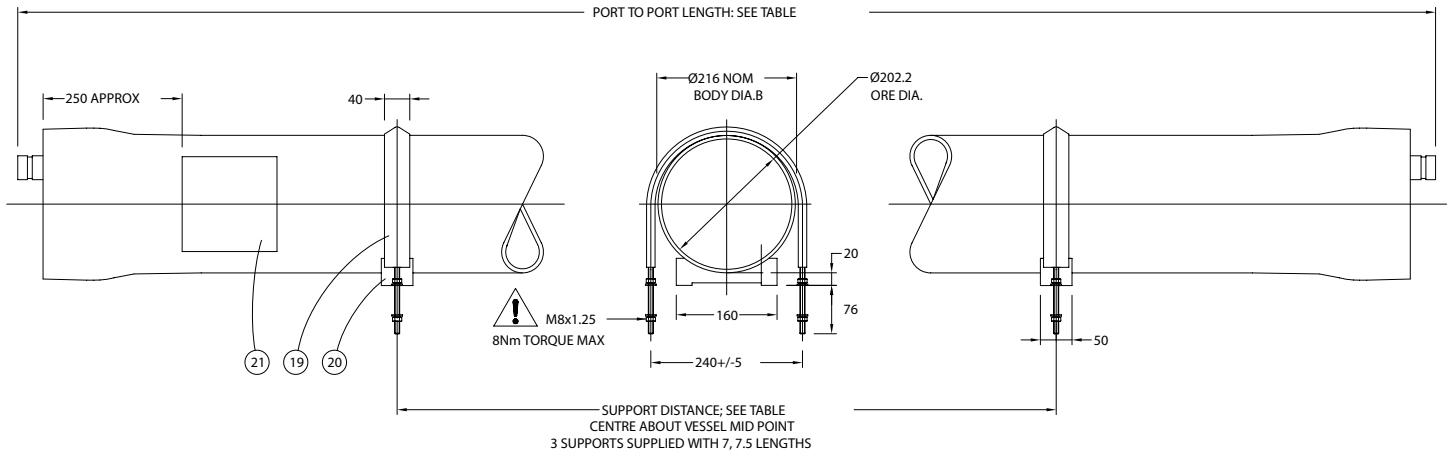




# Technical Information Sheet

## 8" End Port Pressure Vessel 450 psi (31.05 bar)

**ORDER REFERENCE**  
See Box Below



**Working Pressure:** 450 psi

**Working Temperature:** 0° to 45° C

**Assembly Drawing:** 1MNC 3032

**Design Code:** PED

Body of vessel is manufactured completely from glass reinforced epoxy resins. Pressure vessels can be produced to cover all leading manufacturers membranes regardless of length. Please advise membrane type and length when requesting further details. Please adhere to recommended support positions, if in doubt contact Phoenix Vessel Technology.

**Feed and concentrate connections:** 1.5" Victaulic.

**Concentrate connections:** 1.0" BSP (Female)

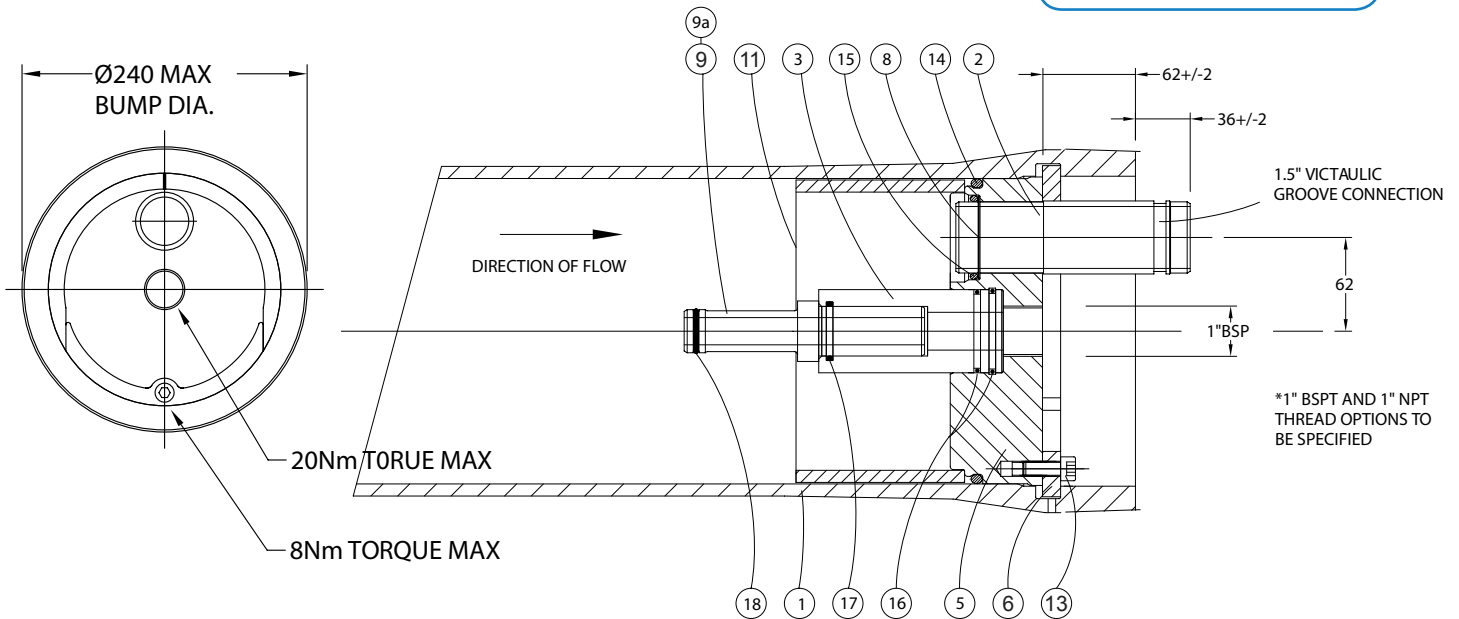
Order Reference	No of 40" Elements	Port to Port Length +/-4mm	2 Supports Max/Min	3 Supports Max/Min	Max Dry Weight
8E450N.1	1	1566	1100-700	-	25 kg
8E450N.1.5	1.5	2064	1400-1000	-	30 kg
8E450N.2	2	2572	1800-1300	-	35 kg
8E450N.3	3	3588	2400-1800	2400-1800	45 kg
8E450N.4	4	4604	2950-2400	3250-2400	55 kg
8E450N.4.5	4.5	5112	3200-2800	3700-2800	60 kg
8E450N.5	5	5620	3450-3150	4150-3150	66 kg
8E450N.6	6	6636	4000-3800	5000-3800	76 kg
8E450N.7	7	7652	-	5850-4850	86 kg
8E450N.7.5	7.5	8160	-	6200-5350	92 kg

All dimensions in mm. c = Central support required.  
All dimensions and weights are nominal unless stated otherwise.

This data sheet supersedes all previous issues.  
Product Code: 8E450N ISSUE:F

## 8" End Port Pressure Vessel 450 psi (31.05 bar)

**ORDER REFERENCE**  
See Box Below



Item	Description	Material	Part No.	No.off
1	Vessel Body	Glass Fibre Epoxy Resin	BDY 3112	1
2	Feed/Concentrate Port	St.Steel - 316	CMP 2476.A	2
3	Hub	Thermoplastic	CMP 1550.A	2
5	End Cap	Thermoplastic	CMP 2884.A	2
6	Retaining Ring Segment	Composite	CMP 3915.A	2 set of 3
8	Spiroloc Circlip	St. Steel 302 (included in item 2)	CMP 3062	2
9	Adaptor	Thermoplastic	To suit membrane	2
9a	Adaptor Spacer Shims	ABS (included in item 9)	CMP 1674	8
11	Thrust Ring	Thermoplastic	CMP 1228	1
13	Cap Head Screw	St. Steel Grade A2	CMP 1520	6
14	'O' Seal End Cap	EPDM (Included in item 5)	BS882	2
15	'O' Seal Feed/End Cap	EPDM (Included in item 2)	BS327	2
16	'O' Seal Hub/End Cap	EPDM (Included in item 3)	BS225	4
17	'O' Seal Prod/Adaptor	EPDM (Included in item 3)	BS219	2
18	'O' Seal Adaptor	EPDM (Included in item 9)	To suit membrane	2/4
19	Strap	St.Steel/PVC	CMP 3426.A	2/3
20	Saddle	Polypropylene	CMP 3919	2/3

For lubricants and general assembly refer to the **User Guide on our website.**

The company reserves the right to alter specifications without prior notice.  
This data sheet supersedes all previous issues. Product Code: 8E450N ISSUE:F

**DO NOT EXCEED THE MAXIMUM TORQUE.**