

# Technical Information Sheet

Product Code: 8S175N

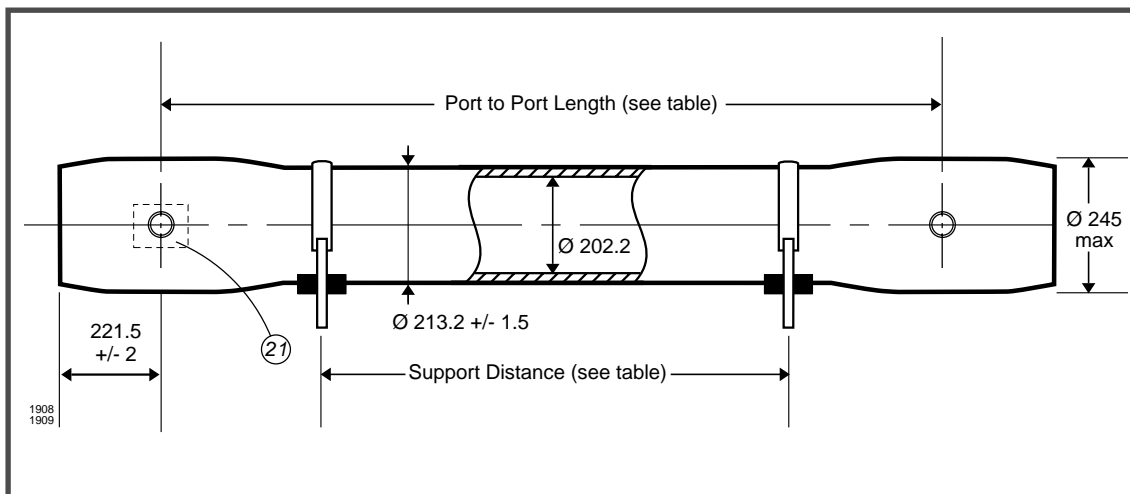
## 8" Side Port Pressure Vessel

**SIDE PORT**

**175 psi (12.1 bar)**

Working Pressure: **175 psi**  
 Assembly Drawing: **1MNC 1909**

Working Temperature: **-7 to 45°C**  
 Does not conform to 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" or 2.0" Victualic (For options see reverse)  
 Product connections: 1.0" BSPT or NPT (Female)

No of 40" Elements	Port to Port Length +/-7mm	Max support position	Min support position	Max Dry Weight
1	1143	740	500	43 kg
1.5	1651	1250	500	48 kg
2	2159	1750	500	53 kg
3	3175	2775	960	64 kg
4	4191	3190	1970	75 kg
4.5	4699	3375	2480	81 kg
5	5207	3560	2990	86 kg
6	6223	4020	4020	98 kg
7	7239	6170 c	5090 c	109 kg
7.5	7747	6220 c	5330 c	115 kg

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

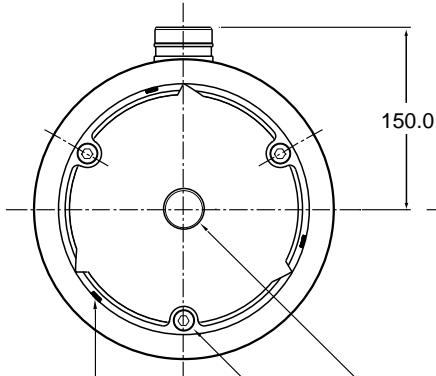
c = Central support required

# 8" Side Port Pressure Vessel

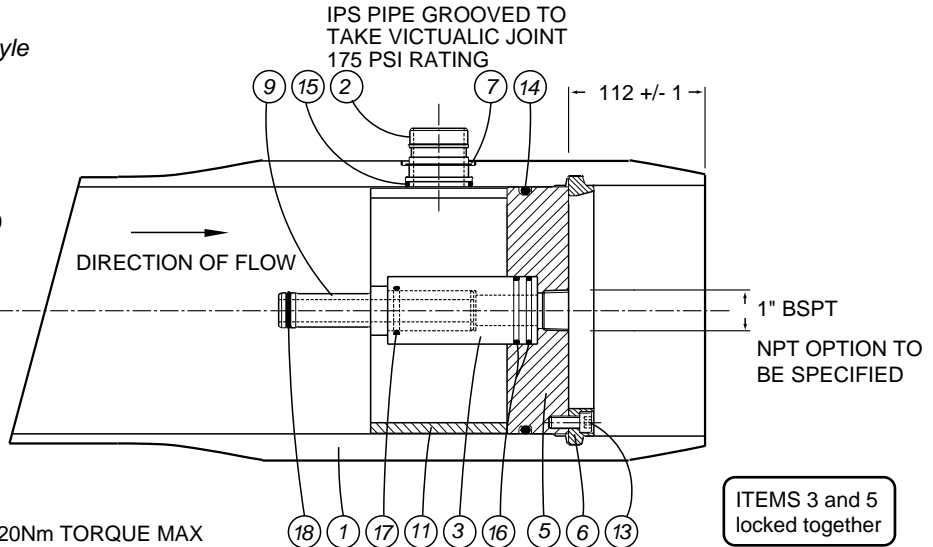
**SIDE PORT**

**175 psi (12.1 bar)**

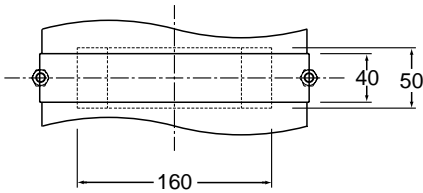
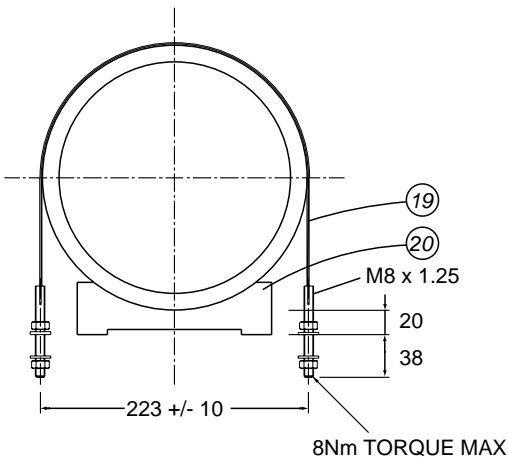
For side port size and style options see table below



20Nm TORQUE MAX  
8Nm TORQUE MAX  
EXTRACTION SLOT (1 PER SEGMENT)



SIDE PORT OPTIONS	SIZE	STYLE
	1.5"	1) 2 Same side - 0°,0° 2) 2 Opposing - 0°,180°
2.0"	3) 4 port - 0°,180°	



Item	Description	Material	Part No	No. off
1	Vessel Body	Glass Fibre Epoxy Resin	PVL 80-03-1956	1
2	Feed/Concentrate Port	Stainless Steel 316L 1.5" Port Stainless Steel 316L 2.0" Port	PVL 80-04-1863 PVL 80-04-1990	2/4 2/4
3	Hub	UPVC	PVL 80-02-1550	2
4				
5	End Cap	Acetal Thermoplastic	PVL 80-02-1958 (BSPT) PVL 80-02-1959 (NPT)	2
6	Retaining Ring	Stainless Steel 316	PVL 80-06-1469	2
7	Spiroloc Circlip	Stainless Steel 302 1.5" Port Stainless Steel 302 2.0" Port	PVL 80-12-1950 PVL 80-12-2029	2/4 2/4
8				
9	Adaptor	UPVC	To suit membrane	2
10				
11	Thrust Ring	MDPE or UPVC	To suit membrane	1
12				
13	Cap Head Screw	Aluminium	PVL 80-10-1520	6
14	'O' Seal Endplate	Nitrile WRC Listed	Size BS882	2
15	'O' Seal Feed Port	Nitrile WRC Listed 1.5" Port Nitrile WRC Listed 2.0" Port	Size BS225 Size BS229	2/4 2/4
16	'O' Seal Hub/End Cap	Nitrile WRC Listed	Size BS225	4
17	'O' Seal Hub/Adaptor	Nitrile WRC Listed	Size BS219	2
18	'O' Seal Adaptor	Nitrile WRC Listed	To suit membrane	2
19	Strap	Stainless Steel/Neoprene	PVL 80-10-1211	2/3
20	Saddle	Urethane	PVL 80-10-1075	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.