

# Technical Information Sheet

Product Code: 4E600N



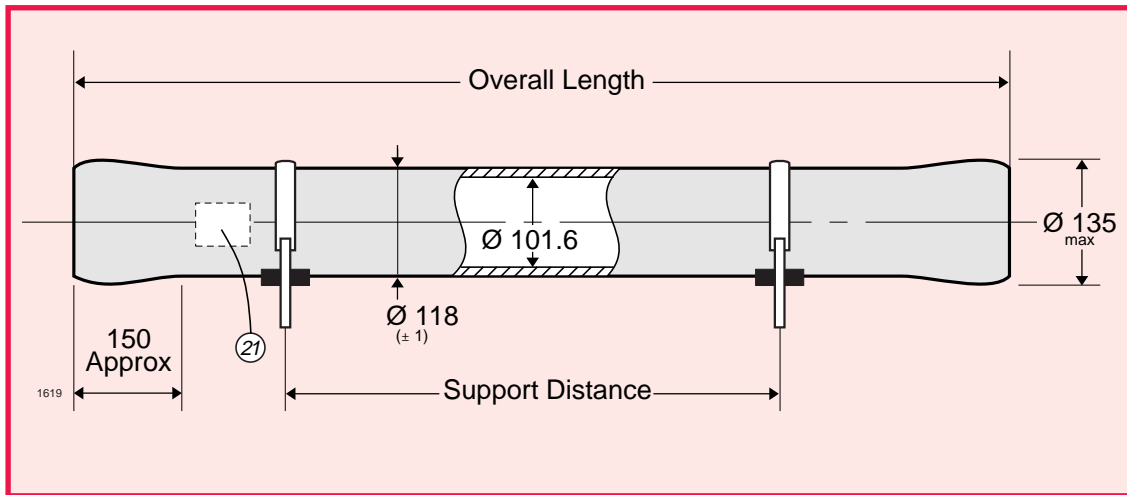
## 4" End Port Pressure Vessel

**END PORT**

**600 psi (41.4 bar)**

Working Pressure: **600 psi**  
 Assembly Drawing: **1MNC 1619**

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: 3/4" BSPT (Female)

Product connections: 1/2" BSPT (Female)

No of 40" Elements	Overall Length +/-7mm	Max support position	Min support position	Max Dry Weight
1a	1295	800	200	12 kg
1b	1346	800	200	12 kg
2	2413	1810	620	18 kg
3	3429	2450	1310	24 kg
4	4445	2820	2280	30 kg
5	5461	4650 c	3320 c	35 kg
6	6477	5010 c	4340 c	41 kg
7	7747	5340 c	5340 c	47 kg

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

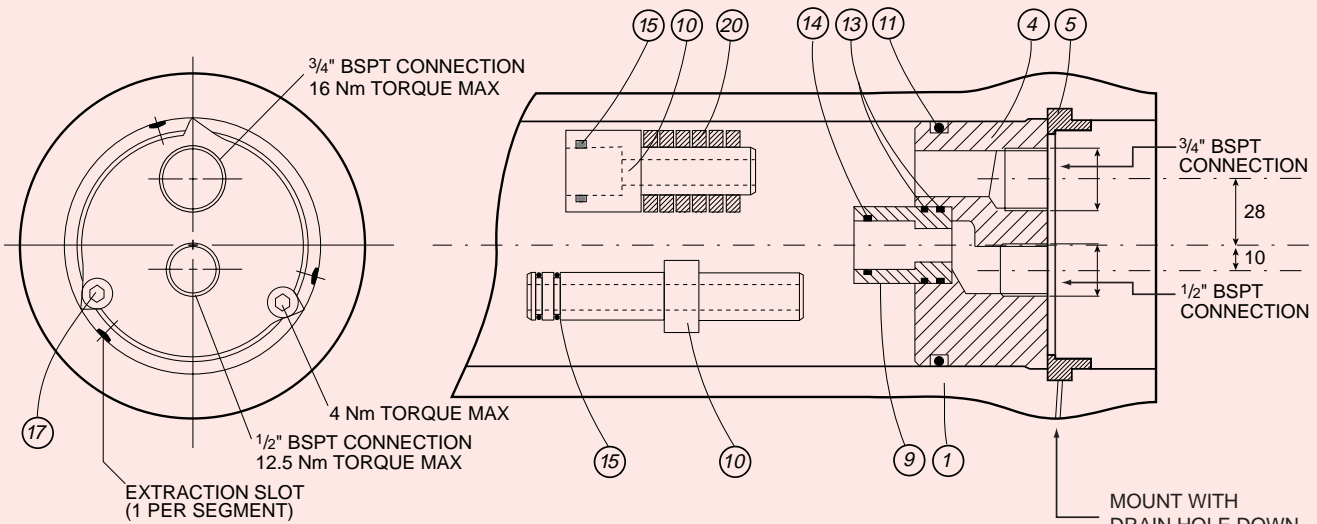
c = Central support required

**Phoenix Vessels**

# 4" End Port Pressure Vessel

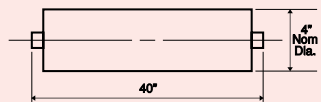
**END PORT**

**600 psi (41.4 bar)**

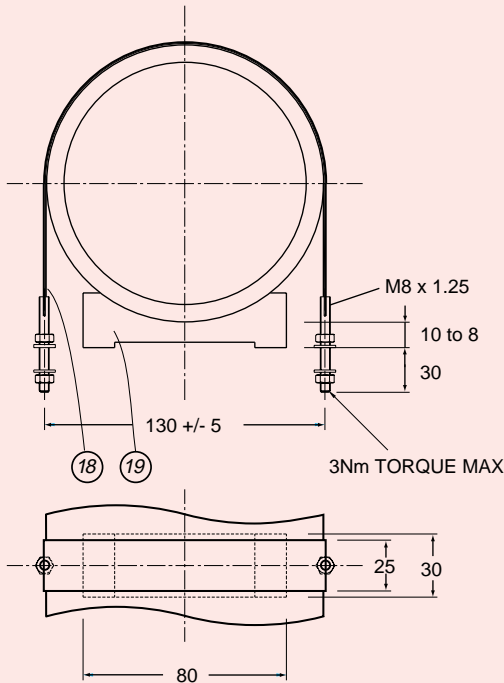
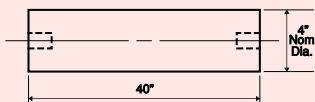


**NOTE:**

'1A' length suitable for 40" element with male permeate tube



'1B' length suitable for 40" element with female permeate tube



Item	Description	Material	Part No	No. off
1	Vessel Body	Glass Fibre Epoxy Resin	PVL 40-10-1437	1
2				
3				
4	Backing Plate	Thermoplastic	PVL 40-10-1667	2
5	Retaining Ring	Stainless Steel 316	PVL 40-10-1104	2
6				
7				
8				
9	Hub	Thermoplastic	To suit membrane	2
10	Adaptor (2-7 element only)	Thermoplastic	To suit membrane	2
11	'O' Seal (Endplate)	EPDM	BS342	2
12				
13	'O' Seal (Endplate/Hub)	EPDM	BS121	4
14	'O' Seal (Hub/Membrane)	EPDM	To suit membrane	2/4
15	'O' Seal (Adaptor)	EPDM	To suit membrane	2/4
16				
17	Cap Head Screw	Stainless Steel A4 Grade	PVL 40-10-1077	4
18	Strap	Stainless Steel/Neoprene	PVL 40-10-1534	2/3
19	Saddle	Urethane	PVL 40-10-1115	2/3
20	Shim Set	Thermoplastic	PVL 40-10-1728	6
21	Nameplate	Aluminium or 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

