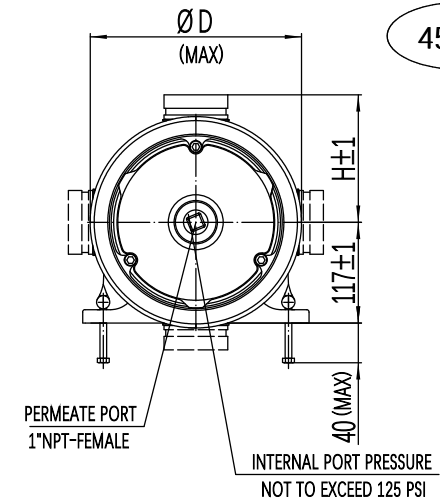
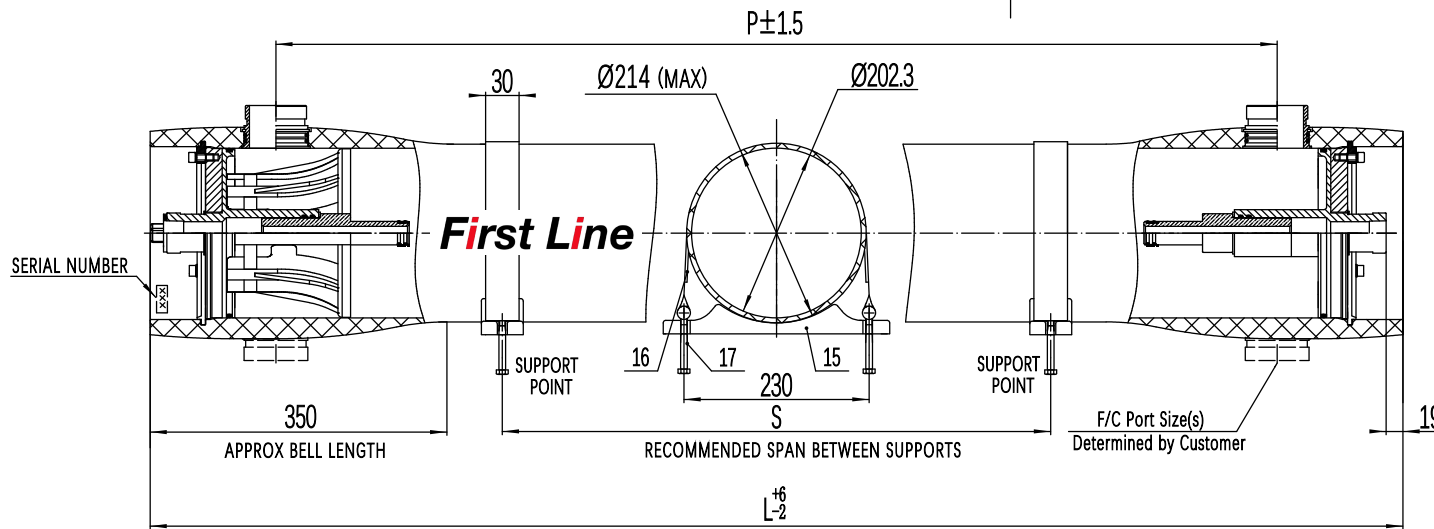
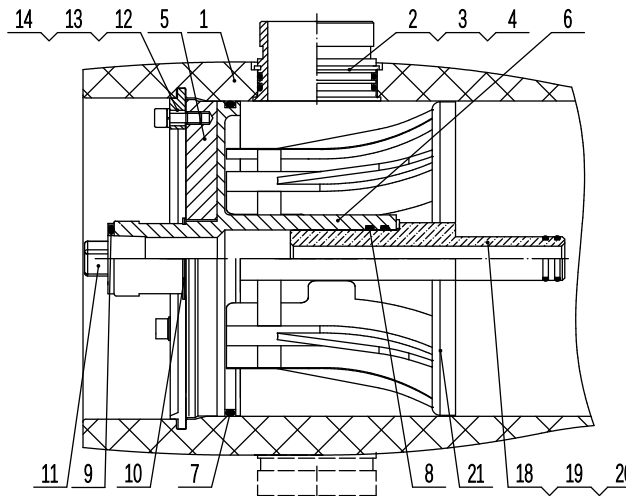




REF.	QTY.	PART NUMBER	DESCRIPTION	MATERIAL	REMARK
1	1	See Selection Table	Shell	Epoxy FRP	White
2	2~4	20002644	Feed/Conc. Port	316LSST	1.5"
2-1	2~4	20002664	Feed/Conc. Port	316LSST	2"
2-2	2~4	20002665	Feed/Conc. Port	316LSST	2.5"
3	2~4	20002424	O-ring , F/C Port	EPDM	41.2x3.55 (1.5")
3-1	2~4	20002645	O-ring , F/C Port	EPDM	56x7 (1.5")
3-2	2~4	20002425	O-ring , F/C Port	EPDM	53x3.55 (2")
3-3	2~4	20002677	O-ring , F/C Port	EPDM	68x7 (2")
3-4	2~4	20002426	O-ring , F/C Port	EPDM	69x3.55 (2.5")
3-5	2~4	20002678	O-ring , F/C Port	EPDM	82x7 (2.5")
4	2~4	20003264	Locknut , Permeate Port	Metal	1.5"
4-1	2~4	20003265	Locknut , Permeate Port	Metal	2"
4-2	2~4	20003266	Locknut , Permeate Port	Metal	2.5"
5	2	20000398	Bearing Plate	Aluminium Alloy	
6	2	20002334	Sealing Plate	ABS	
7	2	20000901	O-ring , Head	EPDM	187x7
8	4	20000314	O-ring , Adapter	EPDM	36.5x3.55
9	1	20000314	O-ring , Plug	EPDM	36.5x3.55
10	2	20000383	Retaining Ring	304SST	
11	1	20000073	Plug	ABS	
12	6	20000006	Locking Kit Segment	304SST	
13	6	20000196	Locking Segment Screw	304SST	M8x20
14	6	20000197	Spring Pad	304SST	Ø8
15	2~4	20000001	Saddle	Engineering Thermoplastic.	
16	2~4	20000186	Strap	304SST-PVC	
17	4~8	20000198	Strap Screw	304SST	M8x90
18	2	20000364	Adapter	ABS	
19	2~6	20000020	Shim , Adapter	ABS	2mm
20	4	20002423	O-ring , PWT	EPDM	23.6x2.65
21	1	20000418	Thrust Ring	ABS	



GENERAL NOTES:

1. DIMENSIONS IN MM.
2. MAX. ANGULAR VARIATION BETWEEN ANY PORT ± 0.5 .
3. DESIGN PRESSURE: 450PSI.
4. DESIGN TEMPERATURE: Min.-7°C(20°F)-Max.49°C(120°F).
5. FOR OTHER TEMPERATURES OUT OF THIS RANGE CONTACT FIRST LINE.
6. CENTER VESSEL ON 2, 3 OR 4 SUPPORTS AT SPAN"S": 2 SUPPORTS(FOR LENGTH 1-3), 3 SUPPORTS(FOR LENGTH4-6) OR 4 SUPPORTS (FOR LENGTH 7-8).
7. FOR VESSEL INSTALLATION AND MAINTENANCE PLEASE REFER TO FIRST LINE USER'S MANUAL.
8. FOR REFERENCE ONLY, NOT FOR CONSTRUCTION UNLESS CERTIFIED.

	PORT SIZE CODE	D(MM)	H(MM)
D	1.5" Grooved End	244	148
E	2" Grooved End	244	151
F	2.5" Grooved End	249	153

Ref.	Part Number	L (MM)	P (MM)	S (MM)	Approx Assembly Weight (KG)
1	F80450S-1	1494	1194	580	28
2	F80450S-2	2510	2210	1350	36
3	F80450S-3	3526	3226	2080	42
4	F80450S-4	4542	4242	1600x2	48
5	F80450S-5	5558	5258	2000x2	54
6	F80450S-6	6574	6274	2360x2	60
7	F80450S-7	7590	7290	2000x3	66
8	F80450S-8	8606	8306	2350x3	72

Harbin First Line Environment Technology Co.,Ltd.

First Line	Design Date	Model F80-450S Pressure Vessel
	Review Date	
	Approval Date	DRG F80-450S-00-01
		Unit MM
		REV. 2026