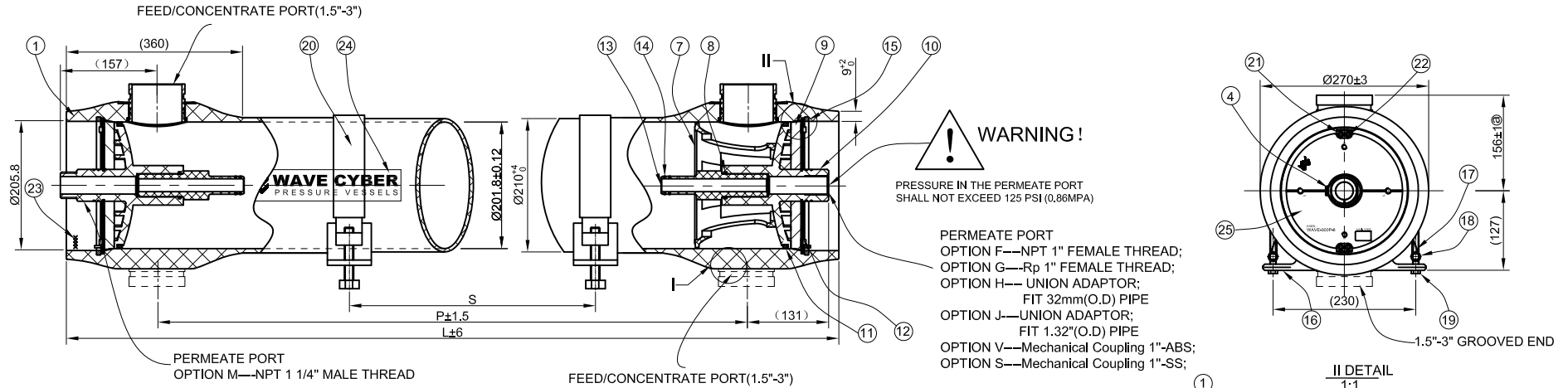




WARNING!

PRESSURE IN THE PERMEATE PORT SHALL NOT EXCEED 125 PSI (0.86MPa)

PERMEATE PORT
 OPTION F---NPT 1" FEMALE THREAD;
 OPTION G---Rp 1" FEMALE THREAD;
 OPTION H--- UNION ADAPTOR;
 FIT 32mm(O.D) PIPE
 OPTION J---UNION ADAPTOR;
 FIT 1.32"(O.D) PIPE
 OPTION V---Mechanical Coupling 1"-ABS;
 OPTION S---Mechanical Coupling 1"-SS;

I DETAIL
 1:1

3" SIDE PORT

1.5"~2.5" SIDE PORT

II DETAIL
 1:1

- 1.Flexible piping should be used on permeate connection to manifold.
- 2.Side port misalignment can not exceed 0.7mm in any direction.
- 3.MPV is not designed for negative pressures.

SIDEPORT SEAL GASKET	23450-26-01		3"	10447	2
	Ø80(LD,1"Ø2.65		3"	10392	2
	Ø70(LD,1"Ø2		2.5"	10425	4
SIDEPORT O RING	Ø55(LD,1"Ø2		2"	10424	4
	Ø42(LD,1"Ø2		1.5"	10423	4
CURVED SIDEPORT SEAL	23450-03-04		3"	10499	2
	23300-04-02-01		2.5"	10614	2
	23300-04-01-01		2"	10613	2
	23300-04-03-01		1.5"	10615	2
RETAINING RING	(23300-06-02)EC30-08-06/2		2.5"	20112	4
	(23300-06-01)EC30-08-06/1		2"	20111	4
	(23300-06-03)EC30-08-06/3		1.5"	20113	4
SIDE PORT	23300-02-05-03	U	3"	20385	2
	23300-02-02-2	T	2.5"	20294	2
	23300-02-01-2	S	2"	20292	2
	23300-02-03-2	R	1.5"	20296	2
DESCRIPTION	DRAWING NO.	CODE	SIZE	COMPUTER CODE	QTY

PERMEATE PORT	23300-10-08	UF	CONNECTED WITH VICTAULIC	10501
150 PSI	23300-10-09	N	NPT 1 1/2" MALE THREAD	10843
	23300-10-06	M	NPT 1 1/4" MALE THREAD	10084
	23300-10-05	S	MECHANICAL COUPLING 1"-SS	10069
	23300-10-05	V	MECHANICAL COUPLING 1"-ABS	10069
	23300-10-05	J	UNION ADAPTOR(American Standard)	10069
	23300-10-05	F	NPT 1" FEMALE THREAD	10069
	23300-10-05	G	Rp 1" FEMALE THREAD	10069
	23300-10-05	H	UNION ADAPTOR(National Standard)	10069
DESCRIPTION	DRAWING NO.	CODE	PERMEATE PORT SPECS	COMPUTER CODE

SHELL Length Code	L Inch (mm)	P Standard Inch (mm)	S Span Inch (mm)	WEIGHT lb (kg)
-1	58.1 (1477)	47 (1194)	1@24 (610)	54 (24.5)
-1.5	78.1 (1985)	67 (1702)	1@42 (1067)	62 (28)
-2	98.1 (2493)	87 (2210)	1@56 (1422)	70 (31.5)
-3	138.1 (3509)	127 (3226)	1@80 (2032)	88 (37.6)
-4	178.1 (4525)	167 (4242)	2@64 (1626)	105 (47.3)
-5	218.1 (5541)	207 (5258)	2@78 (1981)	122 (55)
-6	258.5 (6559)	247 (6274)	2@92 (2337)	138 (62)
-7	298.1 (7573)	287 (7290)	2@106 (2692)	155 (70)
-7.5	318.1 (8081)	307 (7798)	2@114 (2896)	164 (74)
-8	338.1 (8589)	327 (8306)	2@120 (3048)	172 (77.5)

30	CURVED SIDE PORT SEAL(3")	23450-03-04	2	EPDM	10499
29	SIDE PORT SEAL(3")	23450-26-01	2	EPDM	10447
28	SIDE PORT GASKET(3")	23100-46-04	2	SA-213, TP316L	20286
27	SIDE PORT NUT(3")	23100-45-04	2	316L	20458
26	SIDE PORT BOLT IN NUT		4	M4*16 STAINLESS STEEL, GRADE 8.8	20438
25	ALUMINUM PLATE LABEL		2	ADHESIVE LABEL	40757
24	LOGO LABEL		2	ADHESIVE LABEL	40255
23	SERIAL NO. LABEL		1	ARTPAPER 20*33	40425
22	SCREW	GBB19-45	9	M5*14 STAINLESS STEEL	20633
21	RETAINING BLOCK	23300-36-01	4	316	20183-1
19	STRAP PROTECTIVE JACKET	(23300-19)EC30-08-19	2or3	SOFT PVC	10188
18	STRAP SCREW	(23300-18)EC30-08-18	4or6	M8*30 STAINLESS STEEL, GRADE 8.8	20128
17	STRAP NUT	(23300-17)EC30-08-17	4or6	H665-19	20123
16	STRAP	(23300-17)EC30-08-17	2or3	A666, 304	20123
16	SADDLE	(23300-16)EC30-08-16	2or3	TPU (S60D)	10141
15	EMBEDDED RING	(23300-15)EC30-08-15	2	SA-312, TP316L	20072
14	ADAPTOR O RING	(23300-14)EC30-08-14	4	EPDM	10182
13	ADAPTOR(Ø29.1)	(23300-13)EC30-08-13	2	ABS CHIMEI 757K	10125
12	RETAINING RING	(23100-12)EC10-08-12	2	SA-479,316	20026
11	HEAD SEAL	23300-26	2	EPDM	10175
10	PERMEATE PORT(150PSI)	SEE "PERMEATE PORT CONFIGURATIONS"	2	PF062-3	SEE THE CHART
9	BEARING PLATE	(23150-09)EC15-08-09	2	SB-211, 8081-T6	20058
8	PERMEATE PORT O RING	(23300-08)EC30-08-08	2	EPDM	10181
7	THRUST CONE	(23300-07)EC30-08-07	1	PF062-3	10192
6	SIDE PORT RETAINING RING	SEE "SIDE PORT CONFIGURATIONS"	4	SA-479,316	SEE THE CHART
5	CURVED SIDE PORT SEAL	SEE "SIDE PORT CONFIGURATIONS"	2	EPDM	SEE THE CHART
4	PERMEATE RETAINING RING	(23300-03)EC30-08-03	2	A666, 316	20107
3	SIDE PORT O RING	SEE "SIDE PORT CONFIGURATIONS"	SEE THE CHART	EPDM	SEE THE CHART
2	SIDE PORT	SEE "SIDE PORT CONFIGURATIONS"	2	SA-312, TP316L	SEE THE CHART
1	SHELL	23150-01-04	1	FIBER GLASS + EPOXY	
ITEM	DESCRIPTION	DRAWING NO.	QTY	MATERIAL	COMPUTER CODE

TECHNICAL REQUIREMENT

1. MANUFACTURED IN CONFORMITY TO 《ASME BOILER&PRESSURE VESSEL CODE》
 - SECTION X: 《FIBER REINFORCED PLASTIC PRESSURE VESSELS》-CLASS I VESSELS;
 2. MAX OPERATING PRESSURE: 150Psi (1.0342MPa), ALLOWABLE TEMPERATURE RANGE: 20°F(-7°C) ~ 120°F(49°C), NOT APPLICABLE TO CORROSIVE LIQUID;
 3. LEAKAGE TEST: HYDRO TEST, TESTED AT 1.1 TIMES ITS OPERATING PRESSURE, I.E.: 165Psi (1.1376MPa), SAMPLE RATE: 100%;
- NOTE: DIMENSIONS IN PARENTHESIS ARE REFERENCE ONLY.

7	ADD THE NOTES:			20130205
6	RETAINING BLOCKS AND SCREW CHANGED; HEAD SEAL CHANGED:			20110704
5	INCREASE TOLERANCE:			20110704
4	HEAD SEAL CHANGED:			20110128
3	THICKNESS OF SHELL END PORT CHANGED; DISTANCE OF TWO SADDLES IN DASH 1 MPV CHANGED:			20100413
REVISION			SIGNATURE	DATA
THE DIMENSIONS ARE FOR REFERENCE ONLY				
WAVE CYBER (SHANGHAI) CO., LTD.				
SIGNATURE				
DESIGN	NAME	DATE	SCALE	MATERIAL
INSPECTION			1:7	
APPROVAL			QUANTITY	SMOOTHNESS
THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER.				
DO NOT MEASURE THE DIMENSIONS.				
UNIT: MM				
TOTAL PAGE: 1				

LENNTECH

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MODEL WAVE-150P-8
 DESCRIPTION
 150P-8 MEMBRANE HOUSING (3")

DRAWING NO. 23150-00-01
 VERSION NO. 7