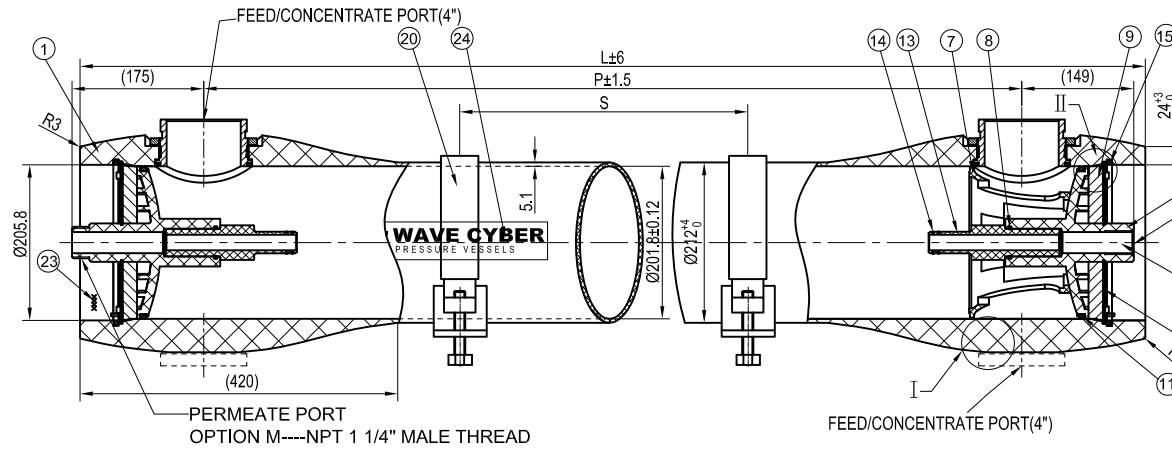
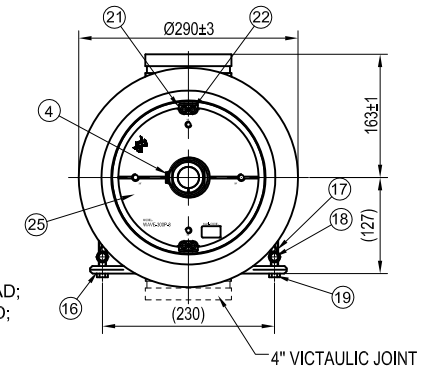
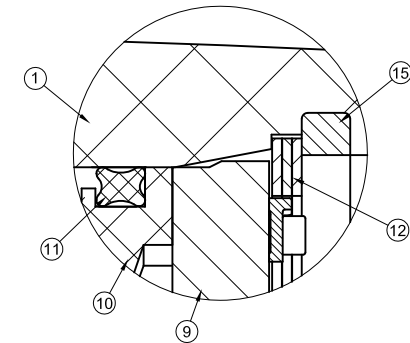




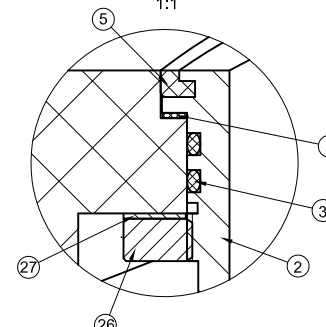
PERMEATE PORT
OPTION F----NPT 1" FEMALE THREAD;
OPTION G----Rp 1" FEMALE THREAD;
OPTION H----1" UNION ADAPTOR,
FIT 32MM O.D PIPE;
OPTION J----1" UNION ADAPTOR,
FIT 1.32" O.D PIPE;
OPTION V----1" VICTAULIC JOINT;



II DETAIL
1:1



I DETAIL
1:1



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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.

BEARING PLATE	23300-09-01	SB-209,6061-T651	20315	ASME CODE PRODUCT
300 PSI	23300-09	SB-211,6061-T6	20059	
DESCRIPTION	DRAWING NO.	MATERIAL	COMPUTER NO.	REMARK

PERMEATE PORT 300 PSI	23300-10-08	UF	VICTAULIC 1.5"	10430
	23300-10-09	N	NPT 1 1/2" MALE THREAD	10844
	23300-10-06	M	NPT 1 1/4" MALE THREAD	10085
	23300-10-05	S	MECHANICAL COUPLING 1"-SS	10070
	23300-10-05	V	MECHANICAL COUPLING 1"-ABS	10070
	23300-10-05	J	UNION ADAPTOR 1"(1.32")	10070
	23300-10-05	F	NPT 1" FEMALE THREAD	10070
DESCRIPTION	23300-10-05	G	Rp 1" FEMALE THREAD	10070
	23300-10-05	H	UNION ADAPTOR 1"(32mm)	10070

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: 300Psi (2.0684MPa) ,
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.: 330Psi (2.2752MPa) . SAMPLE RATE: 100%;
- NOTE: DIMENSIONS IN PARENTHESIS ARE REFERENCE ONLY.

SHELL Length Code	L Inch (mm)	P Standard Inch (mm)	S Span Inch (mm)	Weight (four sideports) lb (kg)
-1	58.4 (1485)	45.6 (1158)	1@22 (550)	107 (49)
-1.5	78.4 (1993)	65.6 (1666)	1@42 (1067)	114 (52)
-2	98.4 (2501)	85.6 (2174)	1@56 (1422)	121 (55)
-3	138.4 (3517)	125.6 (3190)	1@80 (2032)	134 (61)
-4	178.4 (4533)	165.6 (4206)	2@64 (1626)	147 (67)
-5	218.4 (5549)	205.6 (5222)	2@78 (1981)	160 (73)
-6	258.4 (6565)	245.6 (6238)	2@92 (2337)	173 (79)
-7	298.4 (7581)	285.6 (7254)	2@106 (2692)	187 (85)
-7.5	318.4 (8089)	305.6 (7762)	2@114 (2896)	193 (88)
-8	338.4 (8597)	325.6 (8270)	2@120 (3048)	200 (91)

27	SIDE PORT GASKET	23100-46-05	2	SA-213, TP316L	20465
26	SIDE PORT NUT	23100-44-05	2	316L	20464
25	ALUMINUM PLATE LABEL		2	ADHESIVE LABEL	40232
24	LOGO LABEL		2	ADHESIVE LABEL	40225
23	SERIAL NO LABEL		1	ARTPAPER 20"53	40425
22	SCREW	GB819-85	8	M5*14 STAINLESS STEEL	20833
21	RETAINING BLOCK	23300-36-01	4	316	20183-1
20	STRAP PROTECTIVE JACKET	(23300-19)EC30-08-19	2or3	SOFT PVC	10188
19	STRAP SCREW		4or6	M8*90 STAINLESS STEEL, GRADE 8.8	20129
18	STRAP NUT	(23300-18)EC30-08-18	2or3	Hpb51-9	20123
17	STRAP	(23300-17)EC30-08-17	2or3	A666 304	20123
16	SADDLE	(23300-16)EC30-08-16	2or3	TPU(S80D)	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, 750	10125
12	RETAINING RING	(23300-12)EC30-08-12	2	SA-479, 316	20025
11	HEAD SEAL	23300-26	2	EPDM	10175
10	PERMEATE PORT(300PSI)	SEE "PERMEATE PORT CONFIGURATIONS"	2	PF062-3	SEE THE CHART
9	BEARING PLATE	SEE "BEARING PLATE CONFIGURATIONS"	2	SEE "BEARING PLATE CONFIGURATIONS"	SEE THE CHART
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 SEAL GASKET	23300-05-06	2	EPDM	10564
5	CURVED SIDE PORT SEAL	23300-04-06	2	EPDM	10565
4	PERMEATE RETAINING RING	(23300-03)EC30-08-03	2	A580 316	20107
3	SIDE PORT O RING	Ø108(LD) Ø3.5	4	EPDM	10563
2	SIDE PORT	23300-02-06	2	SA-213, TP316L	20477
1	SHELL	23300-01-06	1	FIBER GLASS + EPOXY	
ITEM	DESCRIPTION	DRAWING NO.	QTY	MATERIAL	COMPUTER CODE

2	ADD THE NOTES:			2013/02/05
1	RETAINING BLOCK AND SCREW CHANGED: HEAD SEAL CHANGED:			2012/09/05
0	FIRST ISSUE:			2011/11/16
REVISION	DESCRIPTION	SIGNATURE	DATE	
REFERENTIAL PLASTIC SHRINKAGE (IF NECESSARY):		THE DIMENSIONS ARE FOR REFERENCE ONLY		
SIGNATURE		WAVE CYBER (SHANGHAI) CO., LTD.		
DESIGN	NAME	DATE	SCALE 1:7	MATERIAL
INSPECTION			QUANTITY	SMOOTHNESS
APPROVAL			PROJECTION	COMPUTER CODE
THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER.		DRAWING NO. 23300-00-10		VERSION NO. 2
DO NOT MEASURE THE DIMENSIONS.		UNIT: MM		TOTAL PAGE: 1