



**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;

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 300 PSI	23300-09-01	ALUMINUM PLATE	20315	ASME CODE PRODUCT
	23300-09	ALUMINUM STICK	20059	
DESCRIPTION	DRAWING NO.	MATERIAL	COMPUTER NO.	REMARK

PERMEATE PORT 300 PSI	23300-10-08	UF	VICTAULIC 1.5"	11519
	23300-10-09	N	NPT 1 1/2" MALE THREAD	11525
	23300-10-06	M	NPT 1 1/4" MALE THREAD	11513
	23300-10-05	S	MECHANICAL COUPLING 1"-SS	11494
	23300-10-05	V	MECHANICAL COUPLING 1"-ABS	11494
	23300-10-05	J	UNION ADAPTOR 1"(1.32")	11494
	23300-10-05	F	NPT 1" FEMALE THREAD	11494
	23300-10-05	G	Rp 1" FEMALE THREAD	11494
23300-10-05	H	UNION ADAPTOR 1"(32mm)	11494	
DESCRIPTION	DRAWING NO.	CODE	PERMEATE PORT SPECS	COMPUTER CODE

SHELL Length Code	L Inch (mm)	P Inch (mm)	S Inch (mm)
-1	61.2 (1555)	47 (1194)	1@22 (550)
-1.5	81.2 (2063)	67 (1702)	1@42 (1067)
-2	101.2 (2571)	87 (2210)	1@56 (1422)
-3	141.2 (3587)	127 (3226)	1@80 (2032)
-4	181.2 (4603)	167 (4242)	2@64 (1626)
-5	221.2 (5619)	207 (5258)	2@78 (1981)
-6	261.2 (6635)	247 (6274)	2@92 (2337)
-7	301.2 (7651)	287 (7290)	2@106 (2692)
-7.5	321.2 (8159)	307 (7798)	2@114 (2896)
-8	341.2 (8667)	327 (8306)	2@120 (3048)

27	SIDE PORT GASKET	23100-46-05	2	304	20465
26	SIDE PORT NUT	23100-44-05	2	304	20464
25	ALUMINUM PLATE LABEL		2	ADHESIVE LABEL	40232
24	LOGO LABEL		2	ADHESIVE LABEL	40255
23	SERIAL NO LABEL		1	ART PAPER 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	M5*90 STAINLESS STEEL	20129
18	STRAP NUT	(23300-18)EC30-08-18	4or6	H9059-1	20123
17	STRAP	(23300-17)EC30-08-17	2or3	304	20123
16	SADDLE	(23300-16)EC30-08-16	2or3	LDPE	10141-1
15	EMBEDDED RING	(23300-15)EC30-08-15	2	316L	20072
14	ADAPTOR O RING	(23300-14)EC30-08-14	4	EPDM	10182
13	ADAPTOR(Ø29.1)	(23300-13)EC30-08-13	2	ABS	10125
12	RETAINING RING	(23300-12)EC30-08-12	2	316	20025
11	HEAD SEAL	23300-26	2	PP	10175
10	PERMEATE PORT(300PSI)	SEE "PERMEATE PORT CONFIGURATIONS"	2	PP	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	PP	10192
6	SIDE PORT SEAL	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	316	20107
3	SIDE PORT O RING	Ø108*Ø3.5	4	EPDM	10563
2	SIDE PORT	23300-02-06	2	316L	20477
1	SHELL	23300-01-05	1	FIBER GLASS + EPOXY	
ITEM	DESCRIPTION	DRAWING NO.	QTY	MATERIAL	COMPUTER CODE

TECHNICAL REQUIREMENT  
 1. DESIGN PRESSURE 300PSI(2.1Mpa) ;  
 2. DESIGN TEMPERATURE 150°F(65℃) ;  
 3. MIN ALLOWABLE TEMPERATURE 20°F(-7℃) ;  
 4. WORKING MEDIUM, WATER pH RANGE 3-10;  
 5. PLEASE OPERATE IN ACCORDANCE WITH USER MANUAL;  
 6. SPARE PARTS FORM JUST FOR REFERENCE, SPECIFIC FORM OF THE SPARE PART DRAWING PREVAIL;  
 7. SUBJECT TO CHANGE WITHOUT NOTICE.

REVISION	DESCRIPTION	SIGNATURE	DATA
REFERENTIAL PLASTIC SHRINKAGE (IF NECESSARY):	THE DIMENSIONS ARE FOR REFERENCE ONLY		
SIGNATURE		<b>WAVE CYBER (SHANGHAI) CO., LTD.</b>	
DESIGN	NAME	DATE	SCALE: 1:7
INSPECTION			MATERIAL
APPROVAL			MODEL WAVE-300P-8
THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER.		QUANTITY	SMOOTHNESS
		PROJECTION	COMPUTER CODE
		DRAWING NO.	VERSION NO.
DO NOT MEASURE THE DIMENSIONS.		UNIT: MM	TOTAL PAGE: 1