



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;

**WARNING!**

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

- 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.

DESCRIPTION	DRAWING NO.	CODE	SIZE	COMPUTER CODE
CURVED SIDEPORT SEAL	23100-07-02		2.5"	10497
	23100-07-01		2"	10495
	23100-07-03		1.5"	10493
SIDE PORT PACKING WASHER	27300-04-03		2.5"	11591
	27300-04-02		2"	11590
	27300-04-01		1.5"	11571
SIDE PORT GASKET	27300-06-03		2.5"	20998
	27300-06-02		2"	20997
	27300-06-01		1.5"	20978
SIDE PORT NUT	27300-05-03		2.5"	20996
	27300-05-02		2"	20995
	27300-05-01		1.5"	20977
SIDE PORT	23100-02-02-04	T	2.5"	21084
	23100-02-01-04	S	2"	21083
	23100-02-03-04	R	1.5"	21082
SHELL	23100-01-02		2.5"	
	23100-01-01		2"	
	23100-01-03		1.5"	

DESCRIPTION	DRAWING NO.	MATERIAL	COMPUTER CODE	REMARK
BEARING PLATE 1200PSI	23120-10	ALUMINUM PLATE	20435	ASME CODE PRODUCT
	23120-10-01	ALUMINUM STICK	20435-1	

DESCRIPTION	DRAWING NO.	CODE	PERMEATE PORT SPECS	COMPUTER CODE
	23300-10-08	UF	CONNECTED WITH VICTAULIC	10605
	23300-10-09	N	NPT 1 1/2" MALE THREAD	10848
	23300-10-06	M	NPT 1 1/4" MALE THREAD	10604
	23300-10-05	S	MECHANICAL COUPLING 1"-SS	10602
	23300-10-05	V	MECHANICAL COUPLING 1"-ABS	10602
	23300-10-05	J	UNION ADAPTOR(American Standard)	10602
	23300-10-05	F	NPT 1" FEMALE THREAD	10602
	23300-10-05	G	Rp 1" FEMALE THREAD	10602
	23300-10-05	H	UNION ADAPTOR(National Standard)	10602

**TECHNICAL REQUIREMENT**

- 1.DESIGN PRESSURE 1200PSI(8.3Mpa) ;
- 2.DESIGN TEMPERATURE 149°F(65°C) ;
3. MIN ALLOWABLE TEMPERATURE 20°F(-7°C) ;
- 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.

SHELL Length Code	L Inch (mm)	P Standard Inch (mm)	S Span Inch (mm)	WEIGHT lb (kg)
-1	63.31 (1608)	47 (1194)	1@18 (450)	154.3 (70)
-1.5	83.31 (2116)	67 (1702)	1@38 (960)	174.2 (79)
-2	103.31 (2624)	87 (2210)	1@56 (1422)	194 (88)
-3	143.31 (3640)	127 (3226)	1@80 (2032)	233.7 (106)
-4	183.31 (4656)	167 (4242)	2@64 (1626)	273.4 (124)
-5	223.31 (5672)	207 (5258)	2@78 (1981)	313.1 (142)
-6	263.31 (6688)	247 (6274)	2@92 (2337)	352.8 (160)
-7	303.31 (7704)	287 (7290)	2@106 (2692)	392.5 (178)
-7.5	323.31 (8212)	307 (7798)	2@114 (2896)	412.3 (187)
-8	343.31 (8720)	327 (8306)	2@120 (3048)	432.1 (196)

ITEM	DESCRIPTION	DRAWING NO.	QTY	MATERIAL	COMPUTER CODE
26	SIDE PORT GASKET	SEE "SIDE PORT CONFIGURATIONS"	2	304	SEE THE CHART
25	ALUMINUM PLATE LABEL		2	ADHESIVE LABEL	40846
24	LOGO LABEL		1	ADHESIVE LABEL	40255
23	SERIAL NO. LABEL		1	ART/PAPER 20*53	40223
22	RETAINING BLOCK	23300-36-01	8	316	20183-1
21	SCREW	GB819-85	16	M5*14 STAINLESS STEEL	20833
20	STRAP PROTECTIVE JACKET	23300-19	2or3	SOFT PVC	10188
19	STRAP SCREW	23300-18	4or6	M8*120 STAINLESS STEEL	21059
18	STRAP NUT	23300-17	4or6	H8059-1	20123
17	STRAP	23300-16	2or3	304	20123
16	SADDLE	23300-16	2or3	LDPE	10141-1
15	EMBEDDED RING	23120-15-02	2	316L	21068
14	ADAPTOR O RING	23300-14	4	EPDM	10182
13	ADAPTOR	23300-13	2	ABS	10125
12	RETAINING RING	23120-11	2	316	20434
11	HEAD SEAL	23300-26	2	EPDM	10175
10	PERMEATE PORT(1200PSI)	SEE "PERMEATE PORT CONFIGURATIONS"	2	PP	SEE THE CHART
9	BEARING PLATE	SEE "PERMEATE PORT CONFIGURATIONS"	2	SEE "PERMEATE PORT CONFIGURATIONS"	SEE THE CHART
8	PERMEATE PORT O RING	23300-08	2	EPDM	10181
7	THRUST CONE	23300-07	1	PP	10192
6	SIDE PORT NUT	SEE "SIDE PORT CONFIGURATIONS"	2	304	SEE THE CHART
5	SIDE PORT SEAL	SEE "SIDE PORT CONFIGURATIONS"	2	EPDM	SEE THE CHART
4	CURVED SIDE PORT SEAL	SEE "SIDE PORT CONFIGURATIONS"	2	EPDM	SEE THE CHART
3	PERMEATE RETAINING RING	23300-03	2	316	20107
2	SIDE PORT	SEE "SIDE PORT CONFIGURATIONS"	2	S32750	SEE THE CHART
1	SHELL	SEE "SIDE PORT CONFIGURATIONS"	1	FIBER GLASS + EPOXY	

REVISION	DESCRIPTION	SIGNATURE	DATE
REVISION	REFERRENTIAL PLASTIC SHRINKAGE (IF NECESSARY):		
THE DIMENSIONS ARE FOR REFERENCE ONLY			
<b>WAVE CYBER (SHANGHAI) CO., LTD.</b>			
DESIGN	SCALE	MATERIAL	MODEL
INSPECTION	1:7		WAVE-1200P-8
APPROVAL	QUANTITY	SMOOTHNESS	DESCRIPTION
			1200P-8 MEMBRANE HOUSING
THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER.		PROJECTION	DRAWING NO.
		COMPUTER CODE	23120-00
			VERSION NO.
			15
DO NOT MEASURE THE DIMENSIONS.		UNIT: MM	TOTAL PAGE: 1