



PERMEATE PORT
OPTION M---NPT 1 1/4" MALE THREAD

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. MPV is not designed for negative pressures.

| PERMEATE PORT | DESCRIPTION | DRAWING NO. | CODE | PERMEATE PORT SPECS | COMPUTER CODE |
|---------------|-------------|-------------|----------------------------------|---------------------|---------------|
| 24300-03-09 | | N | NPT 1 1/2" MALE THREAD | | 11157 |
| 24300-03-06 | | M | NPT 1 1/4" MALE THREAD | | 10111 |
| 24300-03-03 | | S | MECHANICAL COUPLING 1"-SS | | 10096 |
| 24300-03-03 | | V | MECHANICAL COUPLING 1"-ABS | | 10096 |
| 24300-03-03 | | J | UNION ADAPTOR(American Standard) | | 10096 |
| 24300-03-03 | | F | NPT 1" FEMALE THREAD | | 10096 |
| 24300-03-03 | | G | Rp 1" FEMALE THREAD | | 10096 |
| 24300-03-03 | | H | UNION ADAPTOR(National Standard) | | 10096 |

TECHNICAL REQUIREMENT

1. DESIGN PRESSURE 600Psi(4.1MPa);
 2. DESIGN TEMPERATURE 150°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) | S Span Inch (mm) | EMPTY WEIGHT lb (kg) |
|-------------------|--------------|------------------|----------------------|
| -1 | 63.7 (1618) | 1@28 (711) | 80 (36) |
| -1.5 | 83.7 (2126) | 1@42 (1067) | 100 (42) |
| -2 | 103.7 (2634) | 1@56 (1422) | 105 (48) |
| -3 | 143.7 (3650) | 1@80 (2032) | 135 (61) |
| -4 | 183.7 (4666) | 2@64 (1626) | 160 (73) |
| -5 | 223.7 (5682) | 2@78 (1981) | 190 (86) |
| -6 | 263.7 (6698) | 2@92 (2337) | 215 (98) |
| -7 | 303.7 (7714) | 2@106 (2692) | 245 (111) |
| -7.5 | 323.7 (8222) | 2@114 (2896) | 260 (118) |
| -8 | 343.7 (8730) | 2@120 (3048) | 275 (125) |

| ITEM | DESCRIPTION | DRAWING NO. | QTY | MATERIAL | COMPUTER CODE |
|------|-------------------------|------------------------------------|------|-----------------------|---------------|
| 24 | ALUMINUM PLATE LABEL | | 2 | ADHESIVE LABEL | 40248 |
| 23 | LOGO LABEL | | 2 | ADHESIVE LABEL | 40255 |
| 22 | SERIAL NO. LABEL | | 1 | ART PAPER 20*33 | 40425 |
| 21 | SCREW | GB819-85 | 12 | M3*14 STAINLESS STEEL | 20833 |
| 20 | RETAINING BLOCK | 23300-38-01 | 6 | 316L | 20183-1 |
| 19 | END PORT RETAINING RING | (24600-05)ED60-08-06 | 2 | 316L | 20120 |
| 18 | BEARING PLATE | (24600-05)ED60-08-05 | 2 | ALUMINUM ALLOY | 20068 |
| 17 | HEAD SEAL | 23300-26 | 2 | EPDM | 10175 |
| 16 | FEED PORT O RING | (24300-04)ED25-08-04 | 4 | EPDM | 10180 |
| 15 | STRAP PROTECTIVE JACKET | (23300-19)EC30-08-19 | 2or3 | SOFT PVC | 10188 |
| 14 | STRAP NUT | (23300-18)EC30-08-18 | 4or6 | Hpb59-1 | 20123 |
| 13 | STRAP | (23300-17)EC30-08-17 | 2or3 | 304 | 20123 |
| 12 | SADDLE | (23300-16)EC30-08-16 | 2or3 | LDPE | 10141-1 |
| 11 | STRAP SCREW | | 4or6 | M8*90 STAINLESS STEEL | 20129 |
| 10 | PERMEATE RETAINING RING | (23300-03)EC30-08-03 | 2 | 316L | 20107 |
| 9 | EMBEDDED RING | 23450-15 | 2 | 316L | 20073 |
| 8 | RETAINING RING | (23300-12)EC30-08-12 | 2 | 316L | 20025 |
| 7 | PERMEATE PORT | SEE "PERMEATE PORT CONFIGURATIONS" | 2 | PP | SEE THE CHART |
| 6 | PERMEATE PORT O RING | (23300-08)EC30-08-08 | 2 | EPDM | 10181 |
| 5 | THRUST CONE | (24300-07)ED25-08-07 | 1 | PP | 10193 |
| 4 | ADAPTOR(Ø29.1) | (23300-13)EC30-08-13 | 2 | ABS | 10125 |
| 3 | ADAPTOR O RING | (23300-14)EC30-08-14 | 4 | EPDM | 10182 |
| 2 | END PORT | (24600-02)ED60-08-02 | 2 | S31803 | 20103 |
| 1 | SHELL | (24600-01)ED60-08-01 | 1 | FIBER GLASS + EPOXY | |

| REVISION | DESCRIPTION | SIGNATURE | DATE |
|--|-------------|--|-------------------|
| REFERENTIAL PLASTIC SHRINKAGE (IF NECESSARY): | | THE DIMENSIONS ARE FOR REFERENCE ONLY. | |
| SIGNATURE | | WAVE CYBER (SHANGHAI) CO., LTD. | |
| DESIGN | NAME | SCALE | MATERIAL |
| INSPECTION | DATE | 1:6 | MODEL WAVE-600E-8 |
| APPROVAL | | QUANTITY | SMOOTHNESS |
| THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER. | | DESCRIPTION | |
| | | 600E-8 MEMBRANE HOUSING | |
| | | PROJECTION | COMPUTER CODE |
| DO NOT MEASURE THE DIMENSIONS. | | UNIT: MM | TOTAL PAGE: 1 |