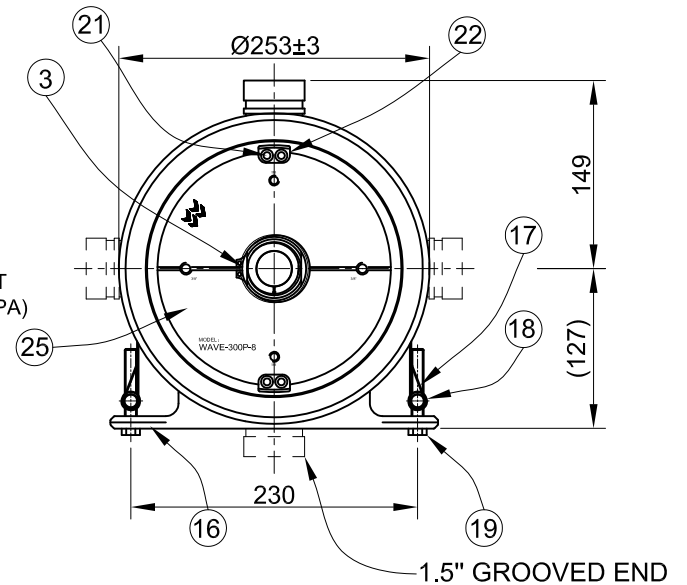
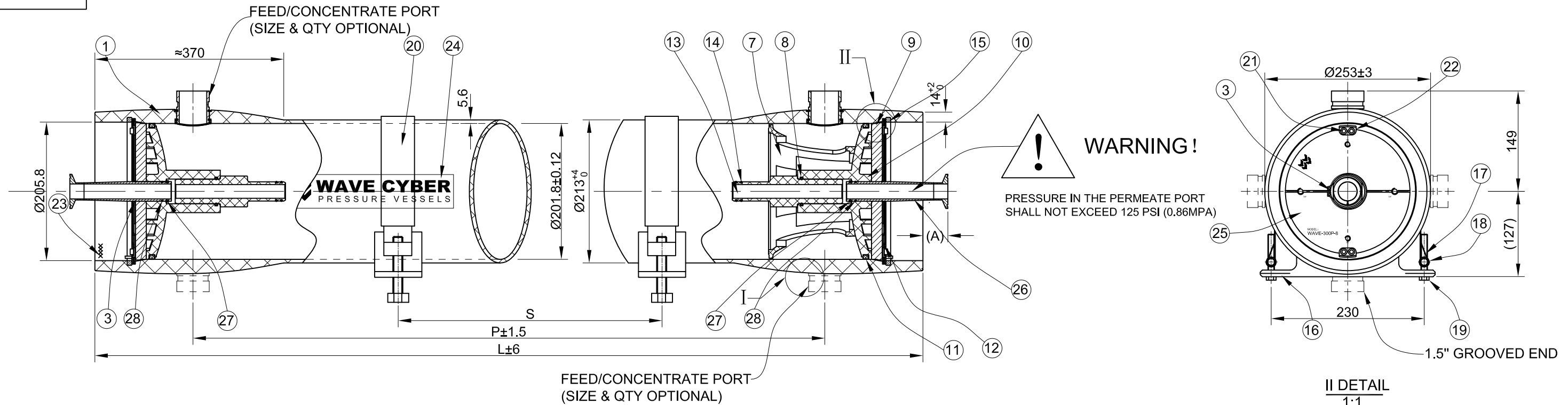
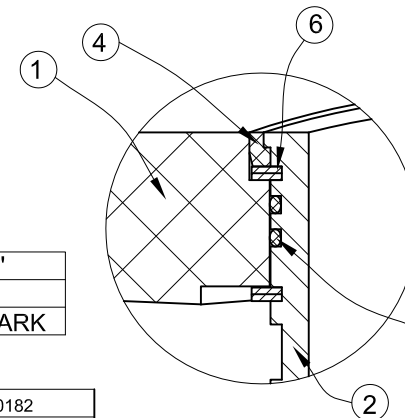
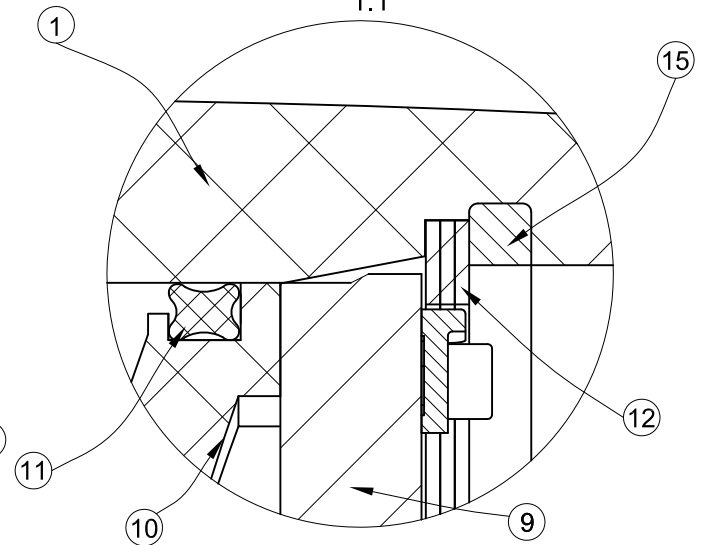


I DETAIL  
1:1II DETAIL  
1:1

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|                     |             |                |               |    |        |
|---------------------|-------------|----------------|---------------|----|--------|
| SANITARY CONNECTION | 23151-08-01 | SA-213, TP316L | 20604         | 94 | 1.5"   |
| DESCRIPTION         | 23151-08    | SA-213, TP316L | 20596         | 43 | 1"     |
|                     | DRAWING NO. | MATERIAL       | COMPUTER CODE | A  | REMARK |

|      |                          |                                          |      |                                  |               |
|------|--------------------------|------------------------------------------|------|----------------------------------|---------------|
| 28   | O RING                   | 23300-14                                 | 2    | EPDM                             | 10182         |
| 27   | RETAINING RING           |                                          | 2    | SA-312, TP316L                   | 20126         |
| 26   | SANITARY CONNECTION      | SEE "SANITARY CONNECTION CONFIGURATIONS" | 2    | SA-213, TP316L                   | SEE THE CHART |
| 25   | ALUMINUM PLATE LABEL     |                                          | 2    | ADHESIVE LABEL                   | 40843         |
| 24   | LOGO LABEL               |                                          | 2    | ADHESIVE LABEL                   | 40255         |
| 23   | SERIAL NO. LABEL         |                                          | 1    | ARTPAPER 20"53                   | 40425         |
| 22   | RETAINING BLOCK          | 23300-36-01                              | 4    | 316                              | 20183-1       |
| 21   | SCREW                    | GB819-85                                 | 8    | M5*14 STAINLESS STEEL            | 20833         |
| 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                     | 4or6 | Hpb51-9                          | 20123         |
| 17   | STRAP                    | (23300-17)EC30-08-17                     | 2or3 | A666, 304                        | 20123         |
| 16   | SADDLE                   | (23300-16)EC30-08-16                     | 2or3 | TPU (S60D)                       | 10141         |
| 15   | EMBEDDED RING            | 23450-15                                 | 2    | SA-312, TP316L                   | 20073         |
| 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           | (23300-12)EC30-08-12                     | 2    | SA-479, 316                      | 20025         |
| 11   | HEAD SEAL                | 23300-26                                 | 2    | EPDM                             | 10175         |
| 10   | PERMEATE PORT(150PSI)    | 23151-04                                 | 2    | PF062-3                          | 10315         |
| 9    | BEARING PLATE            | 23450-09-02                              | 2    | SB-211,6061-T6                   | 20845         |
| 8    | PERMEATE PORT 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    | SIDE PORT O-RING         | SEE "SIDE PORT CONFIGURATIONS"           | 4    | EPDM                             | SEE THE CHART |
| 4    | CURVED SIDE PORT SEAL    | SEE "SIDE PORT CONFIGURATIONS"           | 2    | EPDM                             | SEE THE CHART |
| 3    | PERMEATE RETAINING RING  | 23151-07                                 | 2    | A580, 316                        | 20023         |
| 2    | SIDE PORT                | SEE "SIDE PORT CONFIGURATIONS"           | 2    | SA-213, TP316L                   | SEE THE CHART |
| 1    | SHELL                    | SEE "SIDE PORT CONFIGURATIONS"           | 1    | FIBER GLASS + EPOXY              |               |
| ITEM | DESCRIPTION              | DRAWING NO.                              | QTY  | MATERIAL                         | COMPUTER CODE |

## TECHNICAL REQUIREMENT

- MANUFACTURED IN CONFORMITY TO 《ASME BOILER&PRESSURE VESSEL CODE》  
SECTION X: 《FIBER REINFORCED PLASTIC PRESSURE VESSELS》-CLASS I VESSELS;
  - MAX OPERATING PRESSURE: 450Psi (3.1MPa),  
ALLOWABLE TEMPERATURE RANGE: 20°F(-7°C) ~ 120°F(49°C),  
NOT APPLICABLE TO CORROSIVE LIQUID;
  - LEAKAGE TEST: HYDRO TEST, TESTED AT 1.1 TIMES ITS OPERATING PRESSURE,  
I.E.: 495Psi (3.41MPa), SAMPLE RATE: 100%;
- NOTE: DIMENSIONS IN PARENTHESIS ARE REFERENCE ONLY.

|                      |                           |      |      |               |
|----------------------|---------------------------|------|------|---------------|
| SIDE PORT            | 23450-02-02               | T    | 2.5" | 20088         |
|                      | 23450-02-01               | S    | 2"   | 20087         |
|                      | 23450-02-03               | R    | 1.5" | 20089         |
| SIDEPORT O RING      | Ø70(I.D.)*Ø2              |      | 2.5" | 10425         |
|                      | Ø55(I.D.)*Ø2              |      | 2"   | 10424         |
|                      | Ø42(I.D.)*Ø2              |      | 1.5" | 10423         |
| SHELL                | (23450-01-02)EC45-08-01/2 |      | 2.5" |               |
|                      | (23450-01-01)EC45-08-01/1 |      | 2"   |               |
|                      | (23450-01-03)EC45-08-01/3 |      | 1.5" |               |
| CURVED SIDEPORT SEAL | 23300-04-02-01            |      | 2.5" | 10614         |
|                      | 23300-04-01-01            |      | 2"   | 10613         |
|                      | 23300-04-03-01            |      | 1.5" | 10615         |
| RETAINING RING       | (23300-06-02)EC30-08-06/2 |      | 2.5" | 20112         |
|                      | (23300-06-01)EC30-08-06/1 |      | 2"   | 20111         |
|                      | (23300-06-03)EC30-08-06/3 |      | 1.5" | 20113         |
| DESCRIPTION          | DRAWING NO.               | CODE | SIZE | COMPUTER CODE |

| SHELL Length Code | L Inch (mm)  | P Standard Inch (mm) | S Span Inch (mm) | WEIGHT lb (kg) |
|-------------------|--------------|----------------------|------------------|----------------|
| -1                | 58.7 (1491)  | 47 (1194)            | 1@28 (711)       | 57.2 (26)      |
| -1.5              | 78.7 (1999)  | 67 (1702)            | 1@42 (1067)      | 67.1 (30.5)    |
| -2                | 98.7 (2507)  | 87 (2210)            | 1@56 (1422)      | 74.8 (34)      |
| -3                | 138.7 (3523) | 127 (3226)           | 1@80 (2032)      | 92.4 (42)      |
| -4                | 178.7 (4539) | 167 (4242)           | 2@64 (1626)      | 110 (50)       |
| -5                | 218.7 (5555) | 207 (5258)           | 2@78 (1981)      | 127.6 (58)     |
| -6                | 258.7 (6571) | 247 (6274)           | 2@92 (2337)      | 145.2 (66)     |
| -7                | 298.7 (7587) | 287 (7290)           | 2@106 (2692)     | 162.8 (74)     |
| -7.5              | 318.7 (8095) | 307 (7798)           | 2@114 (2896)     | 172.7 (78.5)   |
| -8                | 338.7 (8603) | 327 (8306)           | 2@120 (3048)     | 180.4 (82)     |

|                                                                                                  |                                       |                                 |                                |                                                           |
|--------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------|--------------------------------|-----------------------------------------------------------|
| 2                                                                                                | 10182 REPLACED 10331;                 |                                 |                                | 13/07/03                                                  |
| REVISION                                                                                         | DESCRIPTION                           | SIGNATURE                       | DATA                           |                                                           |
| REFERENTIAL PLASTIC SHRINKAGE (IF NECESSARY):                                                    | THE DIMENSIONS ARE FOR REFERENCE ONLY |                                 |                                |                                                           |
| SIGNATURE                                                                                        |                                       | WAVE CYBER (SHANGHAI) CO., LTD. |                                |                                                           |
| DESIGN                                                                                           | NAME                                  | DATE                            | SCALE                          | MATERIAL                                                  |
| INSPECTION                                                                                       |                                       |                                 | 1:6                            | MODEL WAVE-450P-8                                         |
| APPROVAL                                                                                         |                                       |                                 | QUANTITY                       | DESCRIPTION 450P-8 MEMBRANE HOUSING (SANITARY CONNECTION) |
| THIS PRODUCT DRAWING CAN NOT BE COPIED AND/OR USED WITHOUT PRIOR WRITTEN APPROVAL OF WAVE CYBER. |                                       |                                 | PROJECTION                     | SMOOTHNESS                                                |
|                                                                                                  |                                       |                                 | COMPUTER CODE                  | DRAWING NO. 23450-00-02                                   |
|                                                                                                  |                                       |                                 | DO NOT MEASURE THE DIMENSIONS. | VERSION NO. 2                                             |
|                                                                                                  |                                       |                                 | UNIT: MM                       | TOTAL PAGE: 1                                             |