



| DWG REF | QTY | PART NO | DESCRIPTION | MATERIALS |
|--------------------------------|-----|---------|-------------------|--|
| HOUSING SHELL | | | | |
| 1 | 1 | ----- | PRESSURE VESSEL | PLASTIC WOUND EPOXY/GLASS COMPOSITES (HEAD LOCKING GROOVES INTEGRALLY WOUND) |
| END CAP ASSEMBLY | | | | |
| 2 | 2 | 52008 | BEARING PLATE | ALUMINIUM 6061-T6 WITH ANODIZE |
| 3 | 2 | 52007 | SEALING PLATE | ENGINEERING THERMOPLASTIC |
| 4 | 2 | 52181 | PERMEATE PORT | ENGINEERING THERMOPLASTIC |
| 5 | 2 | 52200 | HEAD SEAL | EPDM-PC |
| 6 | 2 | 52027 | F/C PORT | SS 316L/CF3M |
| 7 | 2 | 52016 | F/C PORT LOCK NUT | SS 316L/CF3M |
| 8 | 2 | 52020 | F/C PORT SEAL | EPDM-PC |
| 9 | 2 | 52162 | F/C PORT WASHER | SS 316L/CF3M |
| 10 | 2 | 52035 | SEAL PLATE SEAL | EPDM-PC |
| 11 | 2 | 52055 | PORT NUT | ENGINEERING THERMOPLASTIC |
| END CAP LOCKING | | | | |
| 12 | 2 | 52055 | REMAINING RING | SS 316 FINGER PULL |
| PRESSURE VESSEL SUPPORT | | | | |
| 13 | 2 | 52066 | SADDLE ** | PV/PE MATERIAL |
| 14 | 2 | 52137 | STRAP ASSEMBLY ** | SS 316 WITH PV CUSHION-MAX100 |
| INTERNAL ASSEMBLY | | | | |
| 15 | 1 | 52078 | THRUST CONE | ENGINEERING THERMOPLASTIC |
| 16 | 2 | 52032 | MEMBRANE ADAPTER | ENGINEERING THERMOPLASTIC |
| 17 | 2 | 52042 | ADAPTER SEAL - P | EPDM-PC |
| 18 | 4 | 52041 | ADAPTER SEAL - M | EPDM-PC |

| SHELL LENGTH CODE | MODEL | 'L' MM | 'S' MM | APPROX. ASSEMBLY WEIGHT KG | PORT-PORT MM |
|-------------------|----------|--------|--------|----------------------------|--------------|
| -1 | 80S600-1 | 1520 | 676 | 28 | 1194 |
| -2 | 80S600-2 | 2536 | 1656 | 38 | 2210 |
| -3 | 80S600-3 | 3552 | 2674 | 48 | 3226 |
| -4 | 80S600-4 | 4568 | 1845X2 | 58 | 4242 |
| -5 | 80S600-5 | 5584 | 2355X2 | 68 | 5258 |
| -6 | 80S600-6 | 6600 | 2865X2 | 78 | 6274 |
| -7 | 80S600-7 | 7616 | 3300X2 | 88 | 7290 |

TECHNICAL SPECIFICATION

Design Pressure 600 PSI (41.37 Bar)
 Max Operating Temperature 49°C (120.2° F)
 Min Operating Temperature -07°C (19.40° F)
 Hydro- Test Pressure 660 PSI (45.51 Bar)
 (Hydro Test Pressure- 1.1 Times of Design Pressure as per the ASME section -X)

CAUTION :-
 1. NUMBER '15' TO BE USED ONLY AT DOWN STREAM.
 2. ADAPTER SPACERS TO BE USED ONLY AT UP STREAM. THREE SPACERS WITH EACH VESSEL(S). 3x2x2MM.

WARNING :-
 INCORRECT MAN HOLDING WILL CAUSE SEVERE LOCAL STRESS AROUND PORT AND MAY RESULT IN LEAKS AND PREMATURE FAILURE.
 TAKE EVERY PRECAUTION MENTIONED IN USER MANUAL.
 SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

TITLE :- DAX PRESSURE VESSEL

MODEL :- 80S600(8" 600PSI SIDE PORT)

PROJECT :-

CLIENT :-

DAX

Works: No-1, Jodhpur Industrial Estate, N-Vihari Village, Mumbai-Nashik- Highway, Nashik-422010
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Part No : 80S600 Dwg No :- 80S600

SHEET NO : 1 OF 1

NOTES:

- DIMENSIONS ARE IN MM.
- FOR REFERENCE ONLY NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED.
- CENTER VESSEL ON 2 / 3 SUPPORTS AT SPAN "S".
- ** 3 SUPPORTS REQUIRED FOR LENGTH - 4 ABOVE.
- INTERNAL PERMEATE PRESSURE NOT EXCEED 125 PSI.
- EXTERIOR OF MEMBRANE HOUSING COATED WITH HIGH GLOSS POLYURETHANE PAINT.

DRAWN : RSP

CHECKED : RSP

APPROVED : RSP

SCALE : NS

DATE : 02-05-22