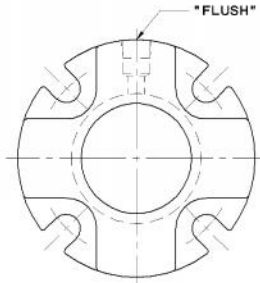


DRAWING No. HSP-1033878-1  
 ISSUE A  
 REVISION: A ORIGINAL ISSUE

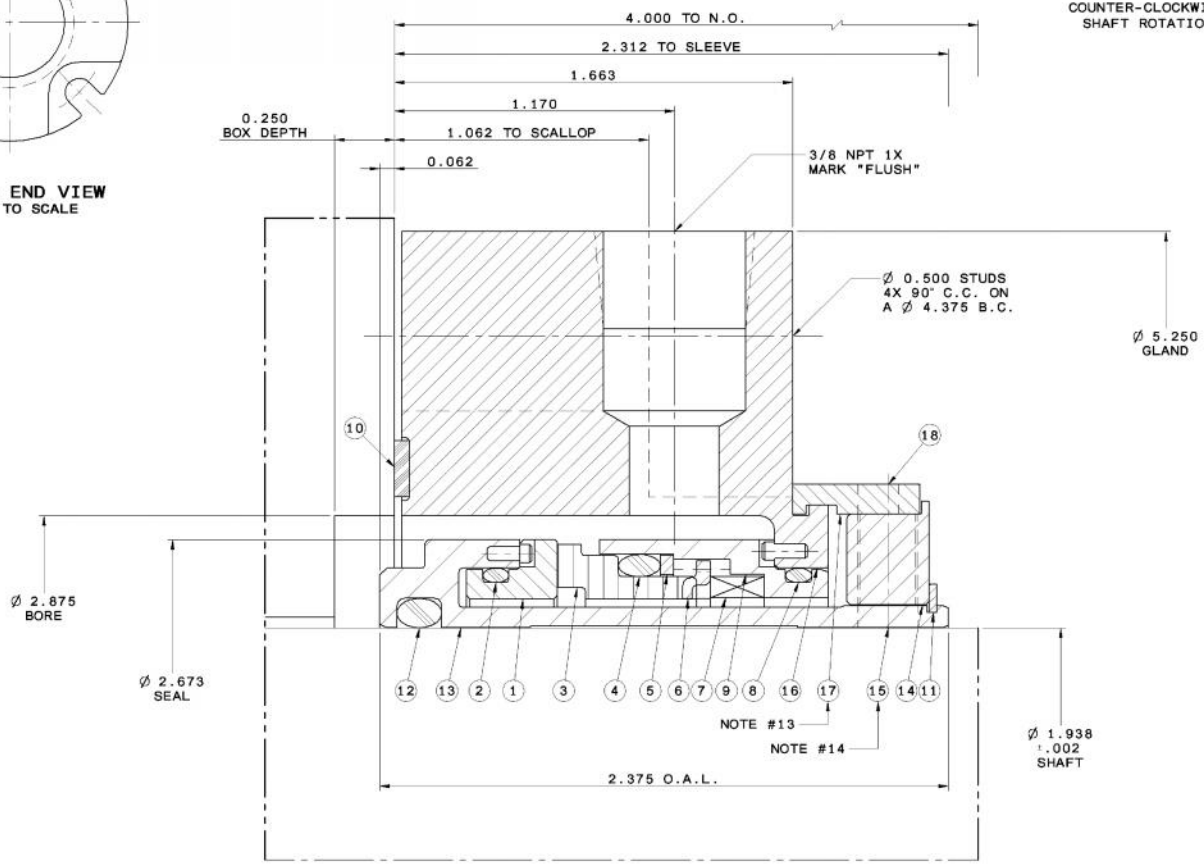


GLAND END VIEW  
 NOT TO SCALE

VERTICAL INSTALLATION TOP



COUNTER-CLOCKWISE  
 SHAFT ROTATION



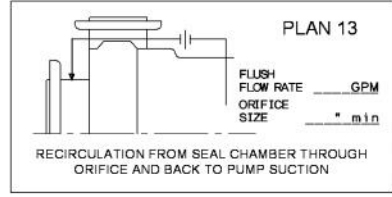
| ITEM | COMPONENT          | DESCRIPTION         | MATERIAL        | SPARES QTY |
|------|--------------------|---------------------|-----------------|------------|
| 1    | H 2001 784 9221    | MATING RING         | SILICON CARBIDE | 1 X        |
| 2    | 0000 035 9549      | O-RING              | FLUOROELASTOMER | 1 X        |
| 3    | H 2001 783 9055    | PRIMARY RING        | CARBON          | 1 X        |
| 4    | 0000 142 9549      | O-RING              | FLUOROELASTOMER | 1 X        |
| 5    | H 2001 786 0550    | ANTI-EXTRUSION RING | 316 S.S.        | 1 X        |
| 6    | H 2001 794 0550    | DRIVE RING          | 316 S.S.        | 1          |
| 7    | 7632               | SPRING              | HASTELLOY *C*   | 1 X        |
| 8    | 0000 035 9549      | O-RING              | FLUOROELASTOMER | 1 X        |
| 9    | H 2001 793 0550    | RETAINER            | 316 S.S.        | 1          |
| 10   | H 3002 186 7500    | GASKET              | CHEMLON         | 1 X        |
| 11   | D 2002 919 0500    | SNAP RING           | 18-8 S.S.       | 1          |
| 12   | 0000 226 9549      | O-RING              | FLUOROELASTOMER | 1 X        |
| 13   | H 1937 182 0550    | SLEEVE ASS'Y        | 316 S.S.        | 1          |
| 14   | H 2001 790 0550    | COLLAR              | 316 S.S.        | 1          |
| 15   | 1725 2008 000 0650 | SET SCREW           | 416 S.S.        | 8 X        |
| 16   | H 1937 1245 0550   | GLAND PLATE ASS'Y   | 316 S.S.        | 1          |
| 17   | D 0002 684 0570    | SPACER              | SINT. 316L S.S. | 4          |
| 18   | 2108 3206 000 0550 | SOC. HD. CAP SCREW  | 316 S.S.        | 4          |
| 19   |                    |                     |                 |            |
| 20   |                    |                     |                 |            |
| 21   |                    |                     |                 |            |
| 22   |                    |                     |                 |            |
| 23   |                    |                     |                 |            |
| 24   |                    |                     |                 |            |
| 25   |                    |                     |                 |            |
| 26   |                    |                     |                 |            |
| 27   |                    |                     |                 |            |
| 28   |                    |                     |                 |            |
| 29   |                    |                     |                 |            |
| 30   |                    |                     |                 |            |
| 31   |                    |                     |                 |            |
| 32   |                    |                     |                 |            |
| 33   |                    |                     |                 |            |
| 34   |                    |                     |                 |            |
| 35   |                    |                     |                 |            |

**Warranty Applies to Dimensional Data Only Complete Service Data was not supplied**

|  |  |
|--|--|
| SEAL ASS'Y NO. IN-OUT-   | BILL OF MATERIALS NUMBER               |
| MTG. RG. ASS'Y NO. IN-OUT-   | COMPLETE                               |
|  | SEAL HD.                               |
|  | MTG. RG.                               |
|  | ASS'Y ITEMS NUMBER                     |
| EQUIPMENT REFERENCE  | CUSTOMER INFORMATION:                  |
| UNIT BY: GOULDS  | CUSTOMER: PUMP DYNAMICS                |
| EQUIPMENT TYPE:  | P.O. NO.                               |
| <input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AGITATOR | END USER: PUMP DYNAMICS                |
| <input type="checkbox"/> COMPRESSOR <input type="checkbox"/> OTHER         | LOCATION: MERAUX, LA                   |
| MODEL / SIZE VIT   | REG. NO.                               |
| SERIAL NO.   | INSTALLED AT:                          |
| SEAL DATA  |  |
| A.P.T. PLAN 13   | MATERIAL CODE: X F55 1 X O58 H 316/HC  |
| A.P.T. CODE B S P F N  |  |
| SERVICE DATA   |  |
| FLUID: COOLING TOWER WATER   | BARRIER FLUID                          |
| SEAL PRESSURE  | SUCT. PRESS. VISC. AT P.T.             |
| TEMPERATURE  | DISCH. PRESS. V.P. AT P.T.             |
| SHAFT SPEED  | SP. GR.                                |
| REFERENCE DATA   | DRAWN DATE CHK'D APP'D SCALE INST CODE |
| PROJECT# 102040-BRO REF.# HSP-41801  | DVM 052208 JH CCM 2.5:1                |
| FILE REFERENCE CAT   | DRAWING No. HSP-1033878-1              |
| CAD ENGINEERED US62EN  | ISSUE A                                |

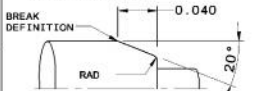
ADDITIONAL NOTES:

1. REMOVE ALL SHARP EDGES ON SHAFT AND/OR SLEEVE BEFORE INSTALLATION OF SEAL.
2. SURFACE OF SHAFT OR SLEEVE ON WHICH SEAL IS INSTALLED MUST BE MACHINED TO 63 RA FINISH OR BETTER.
3. LUBRICATE SHAFT/SLEEVE & SEAL WEDGE RING/O-RING/BELLOWS TO ASSIST INSTALLATION OF SEAL WITH OIL.
4. LUBRICATE MATING RING (SEAT), SEALING MEMBER AND HOUSING TO ASSIST INSTALLATION.
5. LIQUID MUST BE CIRCULATED AROUND PRIMARY RING (SEAL FACE)/THROUGH MATING RING (SEAT) (AT NOT LESS THAN ) IN ORDER TO REMOVE HEAT GENERATED, OR FAILURE MAY OCCUR.
6. WHEN SHAFT IS SLEEVED THROUGH STUFFING BOX, SLEEVE MUST BE LIQUID TIGHT THROUGH BORE.
7. SHAFT OR SLEEVE MUST BE CORROSION RESISTANT MATERIAL WITH A HARDNESS OF 125 BRINELL MINIMUM & BE MACHINED TO DIMENSIONS & TOLERANCES STATED.
8. END OF SEAL CHAMBER & AXIS OF SHAFT MUST BE AT 90° TO EACH OTHER WITHIN .002 F.I.M.
- 9.
10. BEFORE COMPLETING SEAL INSTALLATION WIPE LAPPED SURFACES OF MATING RING (SEAT) & PRIMARY RING (SEAL FACE) PERFECTLY CLEAN.
11. VENT GAS ENTRAPMENT BEFORE STARTUP.
12. ALL SHOULDERS OVER WHICH SEAL MUST PASS WHEN FITTING, TO BE PREPARED AS DIAGRAM BELOW.



THE FOLLOWING NOTES ARE IMPORTANT AND MUST BE OBSERVED FOR CORRECT SEAL INSTALLATION AND OPERATION

1. REMOVE ALL SHARP EDGES ON SHAFT AND/OR SLEEVE BEFORE INSTALLATION OF SEAL.
2. SURFACE OF SHAFT OR SLEEVE ON WHICH SEAL IS INSTALLED MUST BE MACHINED TO 63 RA FINISH OR BETTER.
3. LUBRICATE SHAFT/SLEEVE & SEAL WEDGE RING/O-RING/BELLOWS TO ASSIST INSTALLATION OF SEAL WITH OIL.
4. LUBRICATE MATING RING (SEAT), SEALING MEMBER AND HOUSING TO ASSIST INSTALLATION.
5. LIQUID MUST BE CIRCULATED AROUND PRIMARY RING (SEAL FACE)/THROUGH MATING RING (SEAT) (AT NOT LESS THAN ) IN ORDER TO REMOVE HEAT GENERATED, OR FAILURE MAY OCCUR.
6. WHEN SHAFT IS SLEEVED THROUGH STUFFING BOX, SLEEVE MUST BE LIQUID TIGHT THROUGH BORE.
7. SHAFT OR SLEEVE MUST BE CORROSION RESISTANT MATERIAL WITH A HARDNESS OF 125 BRINELL MINIMUM & BE MACHINED TO DIMENSIONS & TOLERANCES STATED.
8. END OF SEAL CHAMBER & AXIS OF SHAFT MUST BE AT 90° TO EACH OTHER WITHIN .002 F.I.M.
- 9.
10. BEFORE COMPLETING SEAL INSTALLATION WIPE LAPPED SURFACES OF MATING RING (SEAT) & PRIMARY RING (SEAL FACE) PERFECTLY CLEAN.
11. VENT GAS ENTRAPMENT BEFORE STARTUP.
12. ALL SHOULDERS OVER WHICH SEAL MUST PASS WHEN FITTING, TO BE PREPARED AS DIAGRAM BELOW.



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SEAL SIZE:  $\phi$ 1.937  
 SEAL TYPE: 5610 SINGLE CARTRIDGE

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