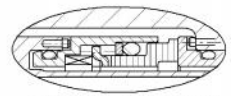
| DRAWING No. | ISSUE |
|---|---|
| HSP-39037-3 | D |

REVISIONS:
A REV EC97-1351
B REV. 10-08-EC97-03225
C 00064544 JUN06
D 00076449 APR08

## METRIC

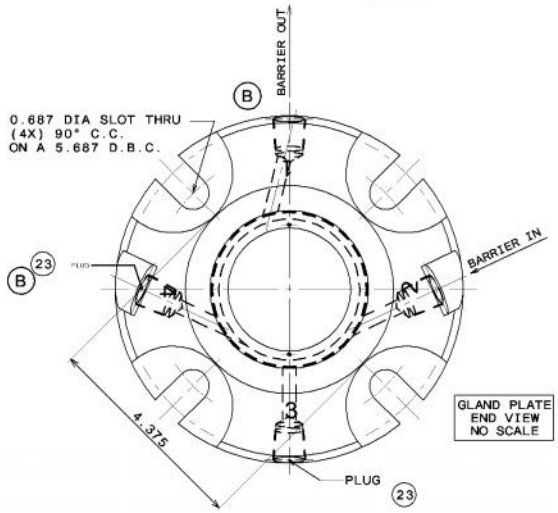
ALL DIMENSIONS ARE IN INCHES

| IN. | M.M. |
|---|---|
| .001 | .025 |
| .002 | .05 |
| .040 | 1.02 |
| .687 | 17.45 |
| .749 | 19.02 |
| 1.141 | 28.98 |
| 1.570 | 39.88 |
| 2.073 | 52.65 |
| 2.125 | 53.97 |
| 2.198 | 55.83 |
| 2.282 | 57.96 |
| 2.407 | 61.14 |
| 2.798 | 71.07 |
| 3.875 | 98.42 |
| 4.250 | 107.95 |
| 4.264 | 108.31 |
| 4.375 | 111.12 |
| 5.687 | 144.45 |
| 7.156 | 181.76 |



OPTIONAL ASSEMBLY OF ROTATING SEAL HEAD INBOARD AND/OR OUTBOARD




13. SPACER (ITEM #21) IS ONLY FOR THE PURPOSE OF PROPERLY LOCATING SEAL. AFTER GLAND PLATE, BEARING, SHAFT AND SEAL ARE LOCKED IN PLACE, SPACER MUST BE REMOVED BEFORE STARTING UNIT.

(B) 14. FOR OPTIONAL PIPING ARRANGEMENT, USE PORT #4 AS BARRIER FLUID OUTLET AND PLUG PORT #1 AFTER VENTING THE SEAL CAVITY

15. COOLING RECOMMENDATION: WHEN USED AS A TANDEM SEAL FLUSH A SUITABLE LIQUID AT THE INBOARD SEAL & CIRCULATE SUITABLE BARRIER LIQUID AT LOW PRESSURE BETWEEN THE SEALS.

WHEN USED AS A DOUBLE SEAL FLUSH A SUITABLE LIQUID AT THE INBOARD SEAL & CIRCULATE SUITABLE BARRIER LIQUID AT PRESSURE HIGHER THAN THE SEAL CHAMBER BETWEEN THE SEALS. (B)

FOR ALTERNATE ARRANGEMENTS SEE THE FOLLOWING DRAWINGS

| | |
|---|---|
| SINGLE O-RING SEAL | HSP-39034 |
| RUBBER BELLOWS SEAL | HSP-39038 |
| METAL BELLOWS SEAL | HSP-39040 |
| O-RING SEAL W/QUENCH | HSP-39035 |
| RUBBER BELLOWS W/QUENCH | HSP-39039 |
| METAL BELLOWS W/QUENCH | HSP-39041 |
| DUAL O-RING SEAL | HSP-39036 |
| DUAL METAL BELLOWS | HSP-39042 |
| DUAL METAL BELLOWS WITH PUMPING RING | HSP-39043 |
| DUAL O-RING SEAL W/PUMPING RING | HSP-39037 |

| ITEM | COMPONENT | DESCRIPTION | MATERIAL | SPARES QTY | |
|---|---|---|---|---|---|
| 1 | H 2126 283 9221 | MATING RING | SILICON CARBIDE | 2 | X |
| 2 | 0000 036 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 3 | H 2126 282 9221 | PRIMARY RING | SILICON CARBIDE | 1 | X |
| 4 | 0000 144 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 5 | H 2126 297 0550 | ANTI-EXTRUSION RING | 316 S.S. | 2 | X |
| 6 | H 2126 300 0550 | DRIVE RING | 316 S.S. | 2 | |
| 7 | 7595 | SPRING | HASTELLOY "C" | 2 | X |
| 8 | 0000 036 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 9 | H 2126 299 0550 | RETAINER | 316 S.S. | 2 | |
| 10 | H 2126 447 7510 | GASKET | G. F. CHEMLON | 1 | X |
| 11 | H 2126 448 0550 | GLAND ADAPTER ASS'Y. | 316 S.S. | 1 | |
| 12 | 0000 155 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 13 | H 2126 449 0550 | PUMPING RING ASS'Y. | 316 S.S. | 1 | |
| 14 | 0000 035 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 15 | D 2127 468 0500 | SNAP RING | 18-8 S.S. | 2 | X |
| 16 | 0000 227 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 17 | H 2126 284 0550 | SLEEVE ASS'Y. | 316 S.S. | 1 | |
| 18 | H 2126 295 0550 | COLLAR | 316 S.S. | 1 | |
| 19 | 1725 2008 000 0650 | SET SCREW | HARDENED 416 S.S. | 8 | X |
| 20 | H 2126 439 0550 | GLAND PLATE ASS'Y. | 316 S.S. | 1 | |
| 21 | D 0002 684 0570 | SPACER | SINTERED 316 S.S. | 4 | X |
| 22 | 2108 3206 000 0550 | SOCKET HEAD CAP SCREW | 316 S.S. | 4 | X |
| 23 | D 0001 536 0550 | 3/8 NPT PLUG | 316 S.S. | 2 | X |
| 24 | 0000 036 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 25 | 0000 144 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 26 | 0000 036 9549 | O-RING | FLUOROELASTOMER | 1 | X |
| 27 | H 2126 282 9055 | PRIMARY RING | CARBON | 1 | X |
| 28 | | | | | |
| 29 | | | | | |
| 30 | | | | | |
| 31 | | | | | |
| 32 | | | | | |
| 33 | | | | | |
| 34 | | | | | |
| 35 | | | | | |

*** X O58 1 X O58 H 316/HC (INB.)
X F55 1 X O58 H 316/HC (OUTB.) (C)

**** 3196 LTX BIG BORE, TAPER BORE VPE, TAPER BORE AXIAL RIBS (B)

| SEAL ASS'Y NO. | BILL OF MATERIALS NUMBER | | |
|---|---|---|---|
| IN- | COMPLETE | 1-27 | M67227 |
| OUT- | SEAL HD. | | |
| MTG.RG.ASS'Y NO. | MTG.RG. | | |
| IN- | ASS'Y. | ITEMS | NUMBER |
| OUT- | | | |

| EQUIPMENT REFERENCE: | CUSTOMER INFORMATION: |
|---|---|
| UNIT BY: GOULDS PUMPS | CUSTOMER: |
| EQUIPMENT TYPE: ☒ PUMP ☐ AGITATOR ☐ COMPRESSOR ☐ OTHER | P.O.NO. |
| | END USER: |
| | LOCATION: |
| MODEL/SIZE **** / | REQ.NO. |
| SERIAL NO. | INSTALLED AT: |

## SEAL DATA

| | |
|---|---|
| SEAL DESCRIPTION A852 | MATERIAL CODE *** |
| A.P.I. CODE | A.P.I.PLAN |

## SERVICE DATA

| | | |
|---|---|---|
| FLUID | | BARRIER FLUID |
| SEAL PRESS. | SUCT.PRESS. | VISC.AT P.T. |
| TEMPERATURE | DISCH.PRESS. | V.P.AT P.T. |
| SHAFT SPEED | SP.GR. | HAZARD CODE |

| REFERENCE DATA | DRAWN | DATE | CHK'D | APP'D | SCALE | INST CODE |
|---|---|---|---|---|---|---|
| E.P. #2267-9702 | RGL | 021997 | JMJ | MGK | 1.75:1 | |

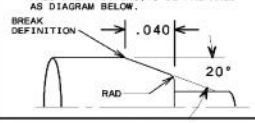
| FILE REFERENCE | CAT | DRAWING No. | ISSUE |
|---|---|---|---|
| MG-01 | D | HSP-39037-3 | D |

CAD ENGINEERED

SEAL SIZE: Ø 2.125
SEAL TYPE: T-5620-P BIG BORE VERSION

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

1. REMOVE ALL SHARP EDGES ON SHAFT &/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
4. LUBRICATE MATING RING (SEAT),SEALING MEMBER & HOUSING TO ASSIST INSTALLATION.
5. 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 OF 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. PRESSURE IN SEAL CHAMBER MUST BE MAINTAINED AT MINIMUM ABOVE MAXIMUM PRESSURE GENERATED AT INNER SEAL.
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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