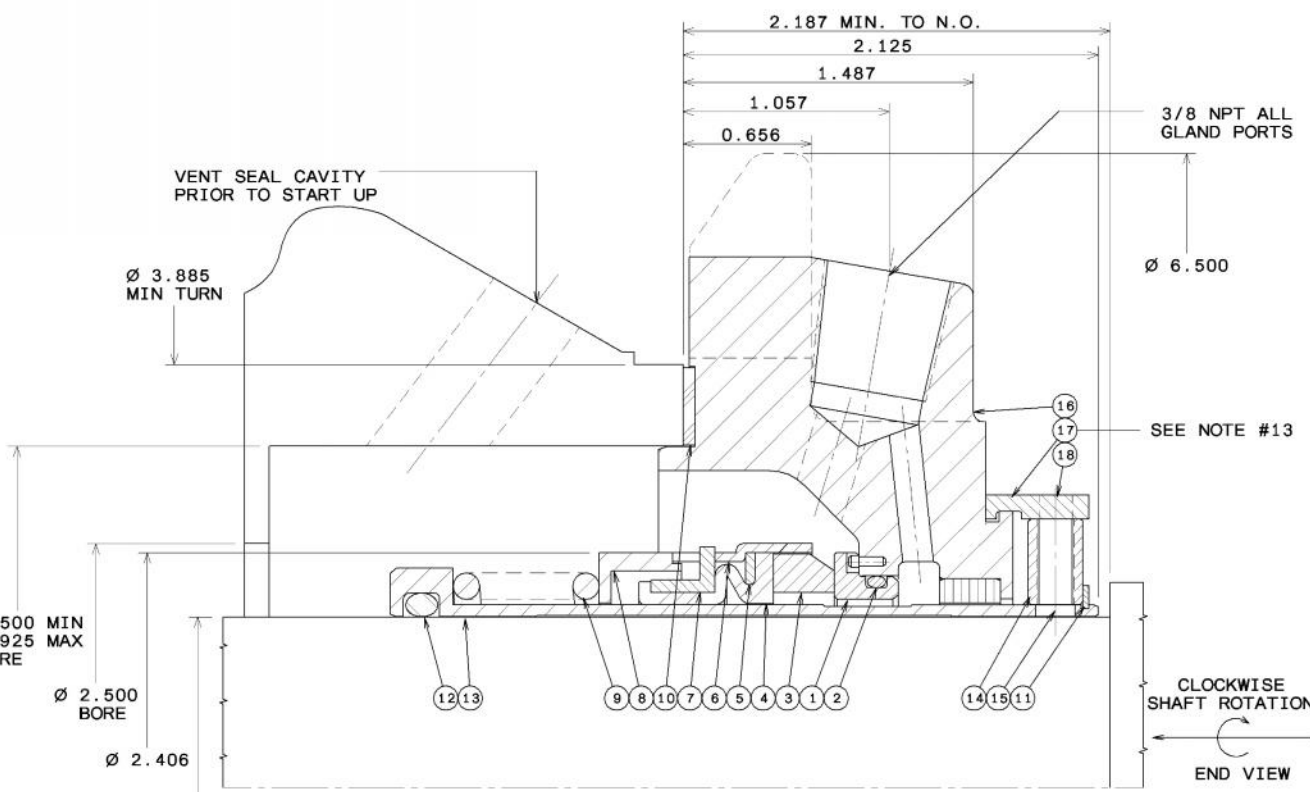


**METRIC**

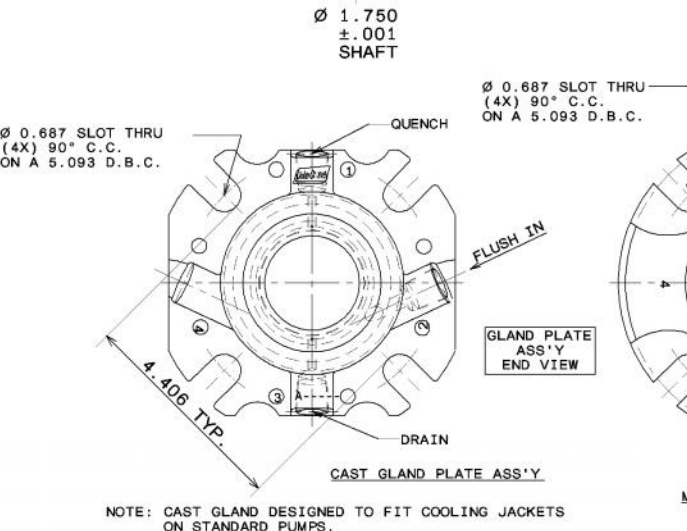
ALL DIMENSIONS ARE IN INCHES

IN.	M.M.
.001	.025
.002	.05
.040	1.02
.375	9.52
.656	16.66
.687	17.44
1.057	26.84
1.487	37.76
1.750	44.45
2.125	53.97
2.187	55.54
2.406	61.12
2.500	63.50
3.500	88.90
3.885	96.67
3.925	99.70
4.406	111.91
5.093	129.36
6.500	165.10



ITEM	COMPONENT	DESCRIPTION	MATERIAL	SPARES QTY
1	H 1751 717 9221	MATING RING	SILICON CARBIDE	1 X
2	0000 033 9549	O-RING	FLUOROELASTOMER	1 X
3	D 1875 819 9221	PRIMARY RING	SILICON CARBIDE	1 X
4	D 1875 163 5850	BELLOWS	FLUOROELASTOMER	1 X
5	D 1875 312 0550	DISC	316 S.S.	1
6	D 1875 095 0550	RETAINER	316 S.S.	1
7	D 1875 030 0550	DRIVE BAND	316 S.S.	1
8	D 1876 849 0550	SPRING ADAPTER	316 S.S.	1
9	4090	SPRING	316 S.S.	1 X
10	H 1751 820 7510	GASKET	G.F. CHEMLON	1 X
11	4US1 87XX XX2 0500	SNAP RING	18-8 S.S.	1 X
12	0000 224 9549	O-RING	FLUOROELASTOMER	1 X
13	H 1751 758 0550	SLEEVE	316 S.S.	1
14	H 1751 734 0550	COLLAR	316 S.S.	1
15	1710 3206 000 0650	SET SCREW	HARDENED 416 S.S.	4 X
16	H 1751 824 7854	GLAND PLATE ASS'Y**	316 S.S./CARBON	1
17	D 0002 684 0570	SPACER	SINTERED 316 S.S.	4 X
18	2108 3206 000 0550	SOCKET HEAD CAP SCREW	316 S.S.	4 X
19				
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35				

\*\* H 1751 911 (MACHINED GLAND PLATE)  
 \*\*\* 3196 MTX BIG BORE, TAPER BORE VPE, TAPER BORE AXIAL RIBS



13. SPACER (ITEM #17) 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.

14. COOLING RECOMMENDATION: PROVIDE A FLUSH OF SUITABLE LIQUID TO THE SEAL

FOR ALTERNATE ARRANGEMENTS SEE THE FOLLOWING DRAWINGS

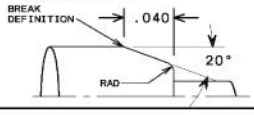
SINGLE O-RING SEAL	HSP-38067
RUBBER BELLOWS SEAL	HSP-38071
METAL BELLOWS SEAL	HSP-38073
O-RING SEAL W/QUENCH	HSP-38068
RUBBER BELLOWS W/QUENCH	HSP-38072
METAL BELLOWS W/QUENCH	HSP-38074
DUAL O-RING SEAL	HSP-38069
DUAL METAL BELLOWS	HSP-38075
DUAL METAL BELLOWS WITH PUMPING RING	HSP-38076
DUAL O-RING SEAL W/PUMPING RING	HSP-38070

SEAL ASS'Y NO.		BILL OF MATERIALS NUMBER		
IN-	D 1876 957	COMPLETE	1-18	M59937
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:		P.O. NO.		
<input checked="" type="checkbox"/> PUMP	<input type="checkbox"/> AGITATOR	END USER:		
<input type="checkbox"/> COMPRESSOR	<input type="checkbox"/> OTHER	LOCATION:		
MODEL/SIZE	***	REQ. NO.		
SERIAL NO.		INSTALLED AT:		

SEAL DATA	
SEAL DESCRIPTION A853	MATERIAL CODE X1 058 1 X 058 1 316/316
A.P.I. CODE	A.P.I. PLAN
.02	

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.#2270-9702		LFK	021997	DSC	MGK	2:1	
FILE REFERENCE	CAT	DRAWING No.		ISSUE			
MG-01	D	HSP-38072-2		C			

- THE FOLLOWING NOTES ARE IMPORTANT AND MUST BE OBSERVED FOR CORRECT SEAL INSTALLATION AND OPERATION
- REMOVE ALL SHARP EDGES ON SHAFT &/OR SLEEVE BEFORE INSTALLATION OF SEAL.
  - SURFACE OF SHAFT OR SLEEVE ON WHICH SEAL IS INSTALLED MUST BE MACHINED TO 63 RA FINISH OR BETTER.
  - LUBRICATE SHAFT/SLEEVE & SEAL ~~W/COMPATIBLE LUBRICANT~~ RING/O-RING/BELLOWS TO ASSIST INSTALLATION OF SEAL WITH COMPATIBLE LUBRICANT.
  - LUBRICATE MATING RING (SEAT), SEALING MEMBER & HOUSING TO ASSIST INSTALLATION.
  - SUITABLE LIQUID MUST BE CIRCULATED AROUND PRIMARY RING (SEAL FACE)/THROUGH MATING RING (SEAT) (AT NOT LESS THAN N/A ) IN ORDER TO REMOVE HEAT GENERATED OR FAILURE MAY OCCUR.
  - WHEN SHAFT IS SLEEVED THROUGH STUFFING BOX, SLEEVE MUST BE LIQUID TIGHT THROUGH BORE.
  - SHAFT OR SLEEVE MUST BE OF CORROSION RESISTANT MATERIAL WITH A HARDNESS OF 125 BRINELL MINIMUM & BE MACHINED TO DIMENSIONS & TOLERANCES STATED.
  - END OF SEAL CHAMBER & AXIS OF SHAFT MUST BE AT 90° TO EACH OTHER WITHIN .002 F.I.M.
  - ~~PRESSURE IN SEAL CHAMBER MUST BE MAINTAINED AT MINIMUM ABOVE MAXIMUM PRESSURE GENERATED AT SHAFTEG SEAL~~
  - BEFORE COMPLETING SEAL INSTALLATION WIPE LAPPED SURFACES OF MATING RING (SEAT) & PRIMARY RING (SEAL FACE) PERFECTLY CLEAN.
  - VENT GAS ENTRAPMENT BEFORE STARTUP.
  - ALL SHOULDERS OVER WHICH SEAL MUST PASS WHEN FITTING TO BE PREPARED AS DIAGRAM BELOW.



CAD ENGINEERED

SEAL SIZE: Ø 1.750  
 SEAL TYPE: T-5611-Q BIG BORE VERSION

**JOHN CRANE INC.**  
 International Sealing Systems  
 6400 Oakton Street  
 Morton Grove, IL 60053, U.S.A.