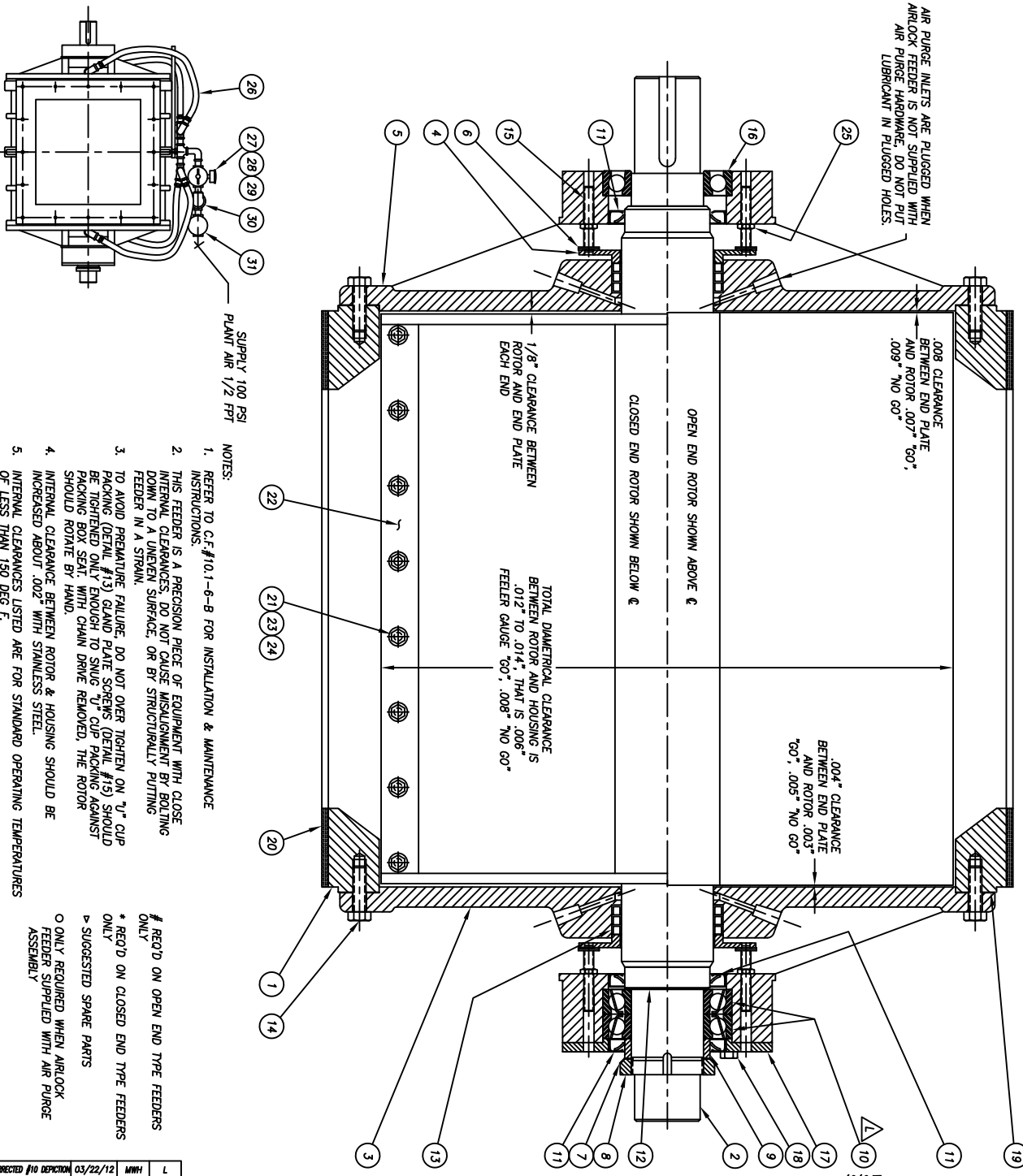


AIR PURGE INLETS ARE PLUGGED WHEN AIRLOCK FEEDER IS NOT SUPPLIED WITH AIR PURGE HARDWARE, DO NOT PUT LUBRICANT IN PLUGGED HOLES.



- NOTES:
1. REFER TO C.F.#10.1-6-B FOR INSTALLATION & MAINTENANCE INSTRUCTIONS.
 2. THIS FEEDER IS A PRECISION PIECE OF EQUIPMENT WITH CLOSE INTERNAL CLEARANCES. DO NOT CAUSE MISALIGNMENT BY BOLTING FEEDER IN A STRAIN.
 3. TO AVOID PREMATURE FAILURE, DO NOT OVER TIGHTEN ON "U" CUP PACKING (DETAIL #13) GLAND PLATE SCREWS (DETAIL #15) SHOULD BE TIGHTENED ONLY ENOUGH TO SQUEEZE "U" CUP PACKING AGAINST PACKING BOX SEAT. WITH CHAIN DRIVE REMOVED, THE ROTOR SHOULD ROTATE BY HAND.
 4. INTERNAL CLEARANCE BETWEEN ROTOR & HOUSING SHOULD BE INCREASED ABOUT .002" WITH STAINLESS STEEL.
 5. INTERNAL CLEARANCES LISTED ARE FOR STANDARD OPERATING TEMPERATURES OR LESS THAN 150 DEG. F.

- # RECD. ON OPEN END TYPE FEEDERS ONLY
- * RECD. ON CLOSED END TYPE FEEDERS ONLY
- ▷ SUGGESTED SPARE PARTS
- ONLY REQUIRED WHEN AIRLOCK FEEDER SUPPLIED WITH AIR PURGE ASSEMBLY

WHEN ASSEMBLING BEARINGS, STAMPED BEARING NUMBERS SHOULD FACE EACH OTHER.

WARNING
 DESIGN ENGINEERS, TECHNICIANS & INSTALLERS
 THE INLET AND OUTLET OF THE ROTARY VALVE MUST HAVE PROPER ATTACHMENTS TO PREVENT ANYONE FROM BEING ABLE TO INSERT THEIR HANDS OR ANY OTHER BODY PARTS INTO THE VALVE WHEN IN OPERATION.

QTY	REV. NO.	DESCRIPTION	COMPONENT PART NO.
1	1	FT18/22 NON DRIVE SHAFT GUARD	52-181-4
1	1	1/2" Flange	A30-020
1	1	1/2" 2in N184 Seal Shimrod	V10-080
1	1	0-60 PSI Pressure Gauge	A30-050
1	1	1/4" x 1/8" Pilot Hex Reducer	F80-440
1	1	1/2" Regulator	A30-040
4	4	1/2" Push-On Hose	P80-110
4	4	3/8-16 Pilot Hx Jam Nut	F12-050
80	80	3/8" Pilot Spr Lock Washer	F14-110
160	160	5/16 STD Pilot Flat Washer	F14-020
10	10	500 Brinell Abrasion Resistant Tip	53-17-7
80	80	3/8-16x1.0 Pudding Bolt	F10-120
2	2	FT22 1/4 Ocell Bagg Ringoakt	R10-070
4	4	.003" Plastic Shim# 105-7	S11-070
4	4	3/8-16x1.25 Pudding Bolt	F10-130
1	1	FT22 Div End Bearer	1059-10-1
1	1	FT22 Bearing Cap Part	B20-080
4	4	3/8-16x2.5 Fulling Socket Scribe	F17-080
6	6	1/2-1.3x2.0 Pilot Hex Bolt	F11-040
1	1	3.5x4.25x3/8 Nylon Hex Clamp	P40-040
1	1	FT22 200 Thk./002 Iner Laminated shim	S11-190
3	3	Bearing Seal	P40-120
2	2	FT22 Non-Dv End Bearer	B20-100
1	1	FT22 Start Bushing Part	1058-5-1
1	1	Bearing Nut	B20-110
1	1	Bearing Washer	B20-120
8	8	1/4 S&E Pilot Flat Washer	F14-010
1	1	FT22-1 Drive End Plate Assy	105-9-2
1	1	FT18/22 Grand Plate Part	105-21-1
1	1	FT22-1 Nondrv End Plate Assy	105-9-1
1	1	FT22-2 Rtr Assy (10 Vane Closed End)	1058-7-1
1	1	FT22-1 Rtr Assy (10 Vane Open End)	1058-4-1
1	1	FT22-1 Ovl Assy	105-20-1

NO.	BY	DATE	REVISION
L	MWH	03/22/12	CORRECTED #10 DEPICTION
K	MWH	07/28/10	Add Shaft Guard#32
J	DH	08/08/08	Add Note 5
H	DES	12/21/99	Det12 to Qty 1/AR
G	BSIE	2/12/97	Corrected Part's
F	JLG	04/07/94	REV'D CLEARANCES
E	WRE	11/01/91	REVISED
D	JLE	3/26/91	REV TO ACAD
C	JLE	3/26/91	BOLT WAS 2" LONG
B	A	4/25/84	ITEM 11 WAS QTY 2
A	KH	2/14/84	REMOVED LOCKNUT

MAGNUM
 SYSTEMS

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FT22 ROTARY AIRLOCK FEEDER
 OPEN & CLOSED END ROTOR
 CUSTOMER ASSEMBLY

DATE: 5/17/75
 DWN BY: DD
 DWG NO.: 1058-2
 APPROVED: [Signature]