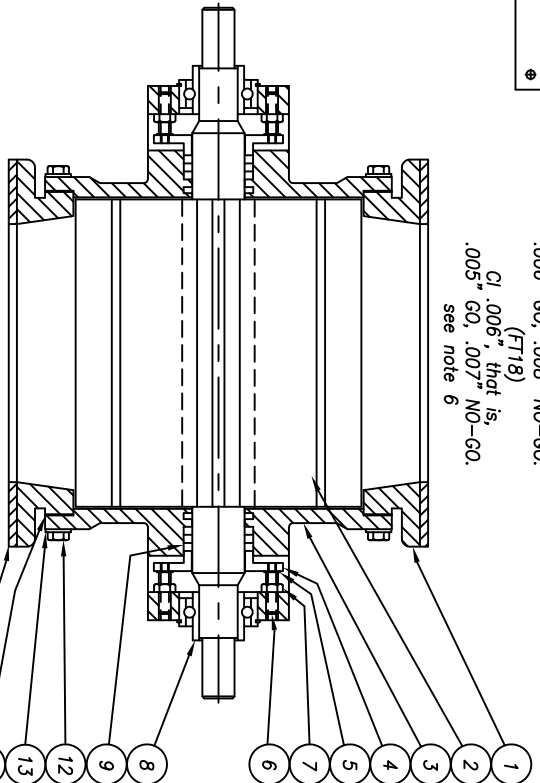


Supply 75-125 PSI plant air to 1/4" FPT for feeders under FT14, 1/2" NPT for FT14 & up

Clearance between rotor and endplate, per end measured 1-3 inches in from rotor O.D.
 (FT7 Thru FT16)
 Cl .005", that is, .004" GO, .006" NO-GO, SS .007", That is, .006" GO, .008" NO-GO, (FT18)
 Cl .006", that is, .005" GO, .007" NO-GO, see note 6



Radial clearance between rotor and housing
 (FT7 Thru FT16)
 Cl .005", That is, .004" GO, .006" NO-GO, SS .007", That is, .006" GO, .008" NO-GO, (FT18)
 Cl .006", That is, .005" GO, .007" NO-GO, see note 6

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.

Recommended spare parts

Detail #	Description	Qty.
8	Bearings	2
9	Shaft packing	1 Set (6 per set)
10	.003 Spacer shims	3
11	Flange gaskets	2

Required only when Airlock feeders supplied with Air Purge assembly

DETAIL NO.	NO. REQ.	DESCRIPTION
20	1	Regulator with Pressure gauge
19	1	Solenoid Valve
18	1	Filter
17	AR	Hose and fittings
13	12	Lock washer
12	12	Bolt
11	2	Gasket
10	AR	.003 Spacer shim
9	6	Shaft packing
8	2	Bearing
7	4	Lock nut
6	4	Gland Plate screw
5	4	Flat Washer
4	2	Gland Plate
3	2	End Plate
2	1	Rotor Assembly
1	1	Cylinder

- NOTE:
- This Feeder is a precision piece of equipment with close internal clearances. Do not cause misalignment by bolting to an uneven surface, or by structurally putting feeder in a strain.
 - If "U" cup packing is used (standard), to avoid premature failure, do not overtighten on "U" cup packing (detail 9) gland plate screws (detail 6) should be tightened only enough to snug rotate by hand, with a 2 by 4, 3 to 4 feet long. The rotor should internal radial clearance & per end clearances between rotor and housing increases about .002" when both rotor and housing are of stainless steel construction.
 - Bearings are lifetime lubricated.
 - Regulator (detail 20) should be set at 10 PSI above airlock internal pressure.
 - If feeder is built to operate at high temperature, consult factory for clearances.

CAT FILE No 10,1-6-A
 REV No 8 01/25/99
 Pg No 1 OF 1

DATE 5/16/68
 DMN. BY DMH
 SCALE NONE

DMG. NO. 52-9
 APPROVED _____

FT7 - FT18 ROTARY AIRLOCK FEEDER WITH OPEN END ROTORS SQUARE AND ROUND FLANGE HOUSINGS PARTS DRAWING

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 Kansas City, KS 66103
 Toll Free: 800.748.7000
 Fax: 913.582.7883

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