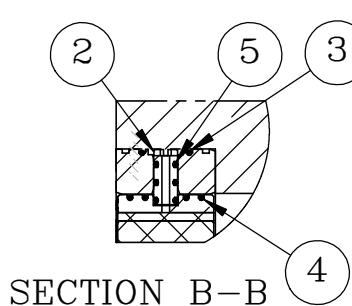


## NOTES:

1. MAXIMUM SPEED IS 30,000 RPM.
2. SUPPLY PRESSURE OPERATING RANGE 60 – 140 PSIG (413.7 – 965.3 KPA).
3. MAXIMUM CAPACITY AT 140 PSIG (965.3 KPA) AND 30,000 RPM IS 56 LBF (249.1 N).
4. TOTAL ESTIMATED FLOW CONSUMPTION OVER THE RANGE OF SPEED AND LOADING IS 16 – 25 SCFH (7.1 – 11.2 NLPM) AT 60 PSIG (413.7 KPA) WITH AIR AS THE WORKING GAS.
5. MAXIMUM OPERATING TEMPERATURE IS 212°F (100°C).
6. BOTH ENDS OF BEARING ASSEMBLY MUST BE VENTED TO GAUGE PRESSURE.
7. SHAFT RUNNING SURFACE TO HAVE A FINISH OF 16 RA MICROINCHES (0.4 RA MICROMETERS) OR BETTER.
8. FOUR 5/16"-18 UNC, 2-1/4" LONG STAINLESS STEEL SOCKET HEAD CAP SCREWS (NOT INCLUDED) ARE USED TO BOLT THE BEARING TO THE BEARING HOUSING. BEARING HOUSING REQUIRES FOUR 5/16"-18 UNC THREADED HOLES EVENLY SPACED ON A φ4.055 B.C. (103.0MM) AT A 22.5° OFFSET FROM VERTICAL, 0.75" (19MM) MINIMUM THREAD DEPTH.
9. TEMPERATURE DETECTOR (RTD) LOCATED IN ONE BOTTOM PAD. LEADS CAN BE ROUTED THRU VERTICAL GROOVE IN BOTTOM OF THE CARTRIDGE.

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CUSTOMER PRINT



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY
10	150-0002	RADIAL BEARING ASSEMBLY	316SS/GRAFITE	3
9	CUSTOMER	BEARING HOUSING	CUSTOMER SPECIFIED	1
8	80-00674	3 INCH STANDARD RADIAL BEARING DUMMY SHAFT	NYLON 6/6	1
7	90-0441	DOWEL PIN, VENTED	18-8 SS	1
6	150-0002-1	RADIAL BEARING ASSEMBLY - RTD	316SS/GRAFITE	1
5	90-0591	2-109 O-RING, .103 WIDE X 0.299 ID	VITON 75A	12
4	90-0623	2-150 O-RING, .103 WIDE X 2.862 ID	VITON 75A	4
3	90-0592	2-158 O-RING, .103 WIDE X 4.737 ID	VITON 75A	2
2	80-00638	STANDARD RADIAL BEARING AIR TRANSFER TUBE	17-4PH H900 SS	4
1	80-00673	3 INCH STANDARD RADIAL BEARING CARTRIDGE - FIXED	316 SS	1

TITLE: 2 INCH STANDARD RADIAL BEARING				NEWWAY	
DRAWN:	MWS	DATE:	07/27/23	MATERIAL:	air bearings
CHECKED:	PJM	DATE:	07/28/23	SEE BOM	
SCALE:	1:3	SHT.	1 OF 1	HEAT TREAT:	--
USED ON (NW #):	TOP LEVEL		FINISH:	DWG. #	CUSTOMER
			--	NW-RB-02-01-C	REV. -