



12" OD CONFLAT FLANGE  
NON-ROTATABLE

12" CONFLAT FLANGE  
ROTATABLE

FORMED BELLOWS  
(NOT EDGE WELDED)

MATERIAL: 304/304L SSTL

- 1.) TO PROVIDE SPRING RATE OF BELLOWS PROPOSED.
- 2.) TO BE LEAK TIGHT TO  $< 1 \times 10^{-9}$  MBAR-L/S
- 3.) TO BE CLEANED AND PACKAGED FOR UHV SERVICE.
- 4.) MAX. TEMP. = 350° F
- 5.) DESIGN AXIAL COMPRESSION = 0.3"

10 REQ'D.

**PROPRIETARY AND CONFIDENTIAL**

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ±  
ANGULAR MACH ±0°-30° BEND ±2°  
TWO PLACE DECIMAL ± .010  
THREE PLACE DECIMAL ± .005  
FINISHED SURFACE RMS  
BREAK CORNERS IN OUT  
REMOVE ALL BURRS  
DO NOT SCALE THIS DWG  
USED ON  
NEXT ASSY: V0494011

REV	DESCRIPTION	CHKD	DRWN	DATE	DEO#
0	ISSUED FOR PURCHASE				
P1	ISSUED FOR QUOTES				
		<i>D. Miller</i>	<i>CEL</i>	PV 4/25/97	0427
				BAR 2/1/97	



**PROCESS SYSTEMS INTERNATIONAL, INC.**  
20 WALKUP DR. WESTBOROUGH, MASSACHUSETTS 01581 USA

TURBO PUMP VIBRATION BELLOWS ASSEMBLY  
10" OD TUBE X 12" OD C.F.  
LIGO VACUUM EQUIPMENT

CAD FILE V0494197	SIZE B	DWG NO V049-4-197	REV 0
SCALE NONE	SHEET 1 OF 1		

ISSUE DESCRIPTION

1 LIGO-D970370-00-V