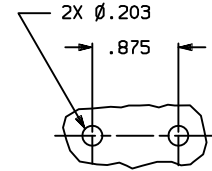
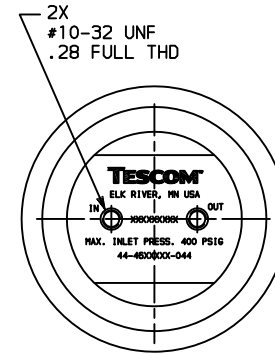
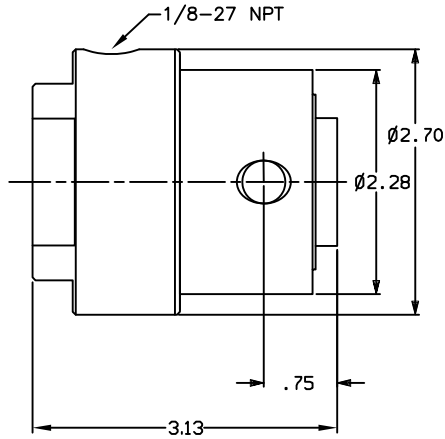
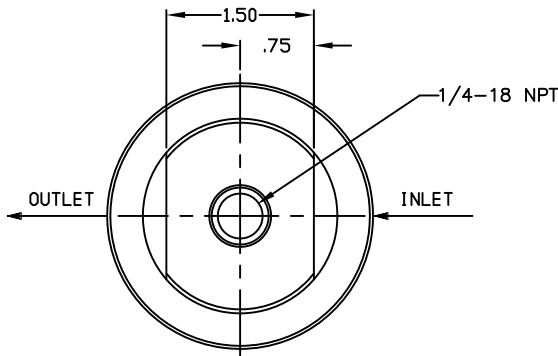


ALL DIMENSIONS REFERENCE

44-46XXX2X-044



44-4600 SERIES REGULATOR

SPRING LOADED, HAND OPERATED, NEGATIVE BIAS, PRESSURE REDUCING REGULATOR, WITH METAL TO METAL SEALED DIAPHRAGM.

MODIFICATION FEATURES:

DOME LOAD  
DOME PORT: 1/4-18 NPT

GENERAL SPECIFICATIONS:

REF. PRESSURE: 150 PSI MAX.  
INLET PRESSURE: ATMOSPHERIC TO 400 PSIG  
OUTLET PRESSURE: (REF. PRESS. MINUS (-) 60 PSI) SEE TABLE II  
DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE  
PRESSURE RATING: PER CRITERIA OF ANSI/ASME B31.3  
OPERATING TEMPERATURE: -40°F TO +140°F  
LEAKAGE: INTERNAL: BUBBLE TIGHT  
EXTERNAL: <math>2 \times 10^{-8}</math> atm cc/sec. He  
FLOW CAPACITY (CV): .06  
WEIGHT: APPROXIMATELY 2.75 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT: PTFE  
SPRING (MAINVALVE): SEE TABLE I  
SPRING (BIAS): SEE TABLE I  
BODY: SEE TABLE I  
DIAPHRAGM: SEE TABLE I  
REMAINING PARTS: SEE TABLE I

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC: A60787-15

NOTES:

- NEGATIVE BIAS OF 45 PSI PRODUCED BY DIAPHRAGM.

SERIES NUMBER  
SOFT GOODS: TEFLON  
MODIFICATION NUMBER  
44-4660524-044

TABLE I	DASH NO.	BODY MATERIAL	DIAPHRAGM	SPRING (BIAS)	SPRING (MAIN-VALVE)	REMAINING PARTS
	6	316 SST	ELGILOY	316 SST	ELGILOY	316 SST

TABLE II	DASH NO.	OUTLET PRESSURE	PROOF PRESSURE
	0	28 IN. VACUUM TO 90 PSIG MAX	150%

TABLE III	DASH NO.	IN & OUT PORT TYPE	COMPATIBLE WITH:
	2	NPT	----

TABLE IV	DASH NO./LTR	INLET & OUTLET PORT SIZE
	4	1/4
	8	1/2

REV.	DATE	ECO NO.	BY:	APPR
GA	8-27-19	50720-19	MGM	WRB
G	8-18-03	1524-03	SKO	TMB
F	4-2-03	1262-02	SKO	TMB
E	7-24-97	840-97	JLS	JD
D	8-15-96	906-96	SJW	JH

**TESCOM CORPORATION**  
INDUSTRIAL CONTROLS DIVISION  
ELK RIVER, MN USA

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UNLESS OTHERWISE SPECIFIED:  
.0 ± .020 ANGLES: ±1°  
.00 ± .010  
.000 ± .005  
SURFACE ROUGHNESS: 100/  
CORNER & FILLET RADI: .005-.020  
THREADS: CLASS 2  
REMOVE ALL BURRS  
MFG. SPEC. 60301

REVISIONS  
REFERENCE DRAWING(S)

DRAWING MADE IN THIRD ANGLE PROJECTION  
(DO NOT SCALE DRAWING)

MATERIAL:  $\infty$

FINISH:  $\infty$

DRAWN BY: SJW	CHECKED BY: JH	APPROVED BY: JH
8-15-96	8-19-96	8-19-96

NAME  
**INSTALLATION INFORMATION**

SCALE: 1:1	SIZE C	NUMBER 44-46XXX2X-044
CODE NO. 13669	SHT. 1	OF 1