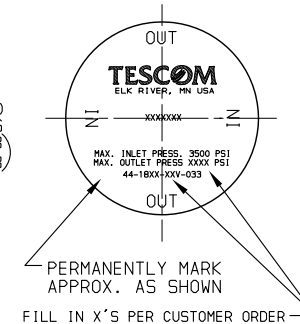
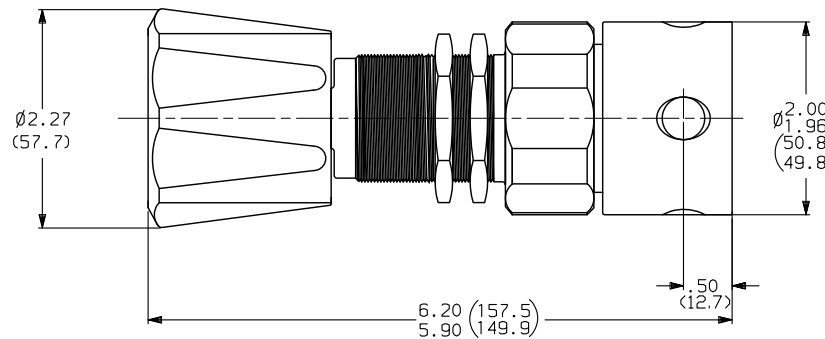
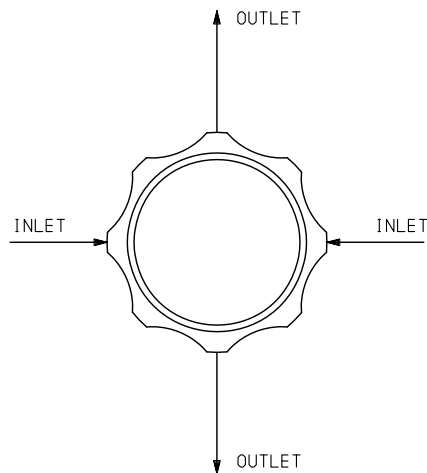


PANEL CUT-OUT

44-1800 SERIES REGULATOR

SPRING LOADED, HAND OPERATED, PISTON SENSED
SELF VENTING, PRESSURE REDUCING REGULATOR

MODIFICATION FEATURES:

PORTING: 4 PORTS AT 90°
BONNET: LONG FULL TH'D
BLANK HOLE PLUG
INLET PRESSURE: 3500 PSIG (241 BAR)
OUTLET PRESSURE: SEE TABLE II

GENERAL SPECIFICATIONS:

INLET PRESSURE: 3500 PSIG (241 BAR) MAX.
OUTLET PRESSURE: SEE TABLE I
DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE
DESIGN BURST PRESSURE: 400% OF RATED PRESSURE
OPERATING TEMPERATURE: -15°F TO +165°F
-26°C TO +74°C

LEAKAGE: BUBBLE TIGHT

FLOW CAPACITY (Cv): .15

WEIGHT: APPROXIMATELY 2 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT: VESPEL
SEAT VENT: VESPEL
O-RING: VITON
FRICTION SLEEVE (INNER): PTFE
FRICTION SLEEVE (OUTER):
BODY:
DIAPHRAGM:
REMAINING PARTS:

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC: A40834-05

SERIES NUMBER
SELF VENTING
MODIFICATION NUMBER

44-1812-24 V -033

TABLE I	DASH NO.	BODY MATERIAL
	1	BRASS
	6	316 SST

TABLE II	DASH NO.	OUTLET PRESSURE	PROOF PRESSURE
	2	0-1000 PSI (69 BAR)	150%
	3	0-2000 PSI (138 BAR)	

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

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

NOTES:

- REGULATOR INCORPORATES AN ADJUSTABLE STOP WHICH ALLOWS THE MAXIMUM OUTLET PRESSURE TO BE LIMITED TO ANY VALUE BETWEEN THE MAXIMUM RATED VALUE AND 50% OF THE MAXIMUM RATED VALUE.

- TEMPERATURE RATINGS LISTED ARE RECOMMENDATIONS BASED ON FIELD AND TEST HISTORY FOR MOST APPLICATIONS OF THIS COMPONENT. ACTUAL MATERIAL RATINGS ARE NOT APPLICABLE TO SOME APPLICATIONS OR MEDIA TYPES. CUSTOMERS ARE RESPONSIBLE FOR MATERIAL SELECTIONS BASED ON THEIR APPLICATION.

- MATERIAL TO BE VITON OR FKM FLOURIOELASTOMER PER ASTM D1418.

- MATERIAL TO BE VESPEL OR POLYIMIDE PER ASTM D6456 TYPE 1.

NA	3-2-18	1639-18	DRM	JTR
N	12-23-11	5812-11	MKS	JDC
M	1-17-12	5036-12	DRM	JDC
L	6-14-06	1428-06	SKO	DP
K	7-20-05	1492-05	DKD	DP
J	3-23-01	785-01	SKO	MKS
H	11-30-99	1160-99	JLS	MKS
G	2-16-96	582-96	JLS	MKS
F	7-28-95	699-95	JLS	MKS
REV.	DATE	ECO NO.	BY:	APPR
REVISIONS				
REFERENCE DRAWING(S)				

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. 00301

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

MATERIAL:	X		
FINISH:	X		
DRAWN BY:	CHECKED BY:	APPROVED BY:	
JLS 10-2-95	MKS 10-5-95	MKS 10-5-95	
NAME			
INSTALLATION INFORMATION			
SCALE: 1:1	SIZE	NUMBER	
CODE NO. 13669	C	44-18XX-XXV-033	
	SHT	1	OF 1