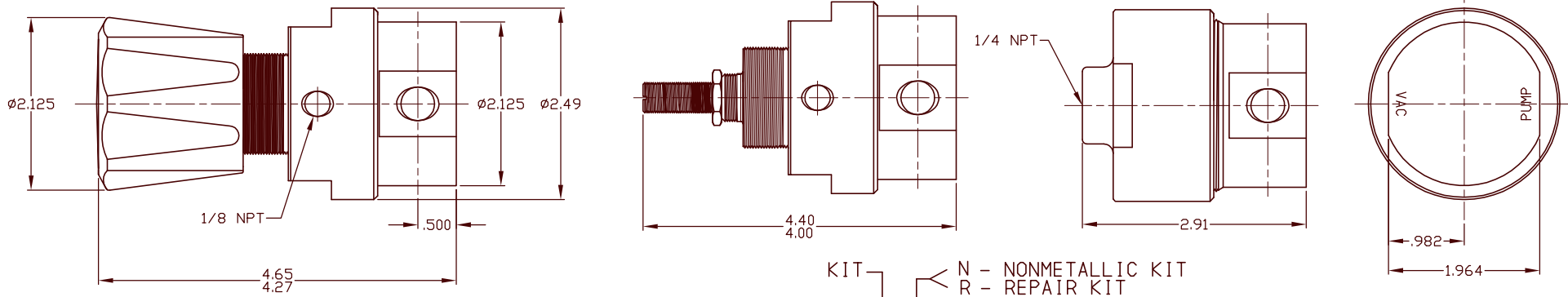


ALL DIMENSIONS REFERENCE

DVXXXXXXXXXX



SPRING LOADED. HAND OPERATED
VACUUM BACK PRESSURE REGULATOR

GENERAL SPECIFICATIONS:

CONTROL PRESSURE: SEE TABLE III
 DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE
 PRESSURE RATING, PER CRITERIA OF ANSI/ASME B31.3
 OPERATING TEMPERATURE: -65°F TO +165°F W/BUNA-N
 -60°F TO +250°F W/E.P.
 -15°F TO +400°F W/VITON
 LEAKAGE: INTERNAL; BUBBLE TIGHT
 FLOW CAPACITY (Cv): Cv = .25

MATERIALS CONTACTING LINE MEDIA:

O-RING SEAL: SEE TABLE VI
 BODY: SEE TABLE II
 DIAPHRAGM: SEE TABLE VI
 REMAINING PARTS: 300 SST & BRASS

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC:

- A60999-01 - HANDKNOB & SCREWDRIVER ADJ.
- A60999-02 - DOME LOADED

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.

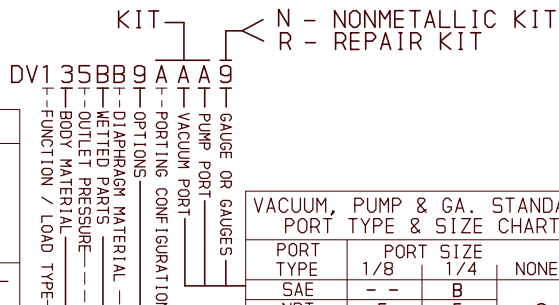
FUNCTION / LOAD TYPE	
TABLE I	STANDARD VACUUM NO BLEED
	1 - HANDKNOB ADJUSTING
	2 - SCREWDRIVER ADJUSTING
	3 - CAPT. BONNET/HAND
	4 - CAPT. BONNET/SCREW
5 - DOME LOADED	
TABLE II	STANDARD VACUUM W/CONSTANT BLEED
	A - HANDKNOB ADJUSTING
	B - SCREWDRIVER ADJUSTING
	C - CAPT. BONNET/HAND
D - CAPT. BONNET/SCREW	

BODY MATERIAL	
TABLE II	1 - BRASS
	3 - ALUMINUM

CONTROLLED VACUUM PRESSURE (INCHES Hg)	
TABLE III	5 0-28" Hg (0-71 cm Hg)
	0-25" Hg (0-64 cm Hg) W/ CONSTANT BLEED
	9 -4 PSIG (0 in hg)
	(ONLY USED W/ CONSTANT BLEED)

VALVE PARTS	
TABLE IV	B - BRASS

O-RING & DIAPHRAGM MATERIAL	
TABLE VI	B - BUNA-N
	E - ETHYLENE PROPYLENE
	V - VITON



VACUUM, PUMP & GA. STANDARD PORT TYPE & SIZE CHART			
PORT TYPE	PORT SIZE		NONE
	1/8	1/4	
SAE	-	B	9
NPT	E	F	
MS33649	-	J	

STANDARD PORTING CONFIGURATION	
A - NO GAUGE PORTS	
B - GAUGE PORTS @ 60°	
F - OUT GAUGE @ 90°	
G - IN GAUGE @ 90°	
L - GAUGE PORTS @ 90°	

REV.	DATE	ECO NO.	BY	APPR
R	7-28-06	1493-06	DKD	DP
P	2-17-06	114-06	DKD	DP
N	5-21-03	1-03	SKO	MKS
M	3-30-03	1210-03	JLS	MKS
L	9-22-99	1024-99	JLS	MKS

TESCOM CORPORATION
 INDUSTRIAL CONTROLS DIVISION
 BELK 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. 80301

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

MATERIAL: χ		
FINISH: χ		
DRAWN BY: JLS	CHECKED BY: MKS	APPROVED BY: MKS
9-22-99	6-2-00	6-2-00
NAME: INSTALLATION INFO.		
SCALE: 1:1	SIZE: C	NUMBER: DVXXXXXXXXXX
CODE NO. 13669	SHT. 1	OF 1