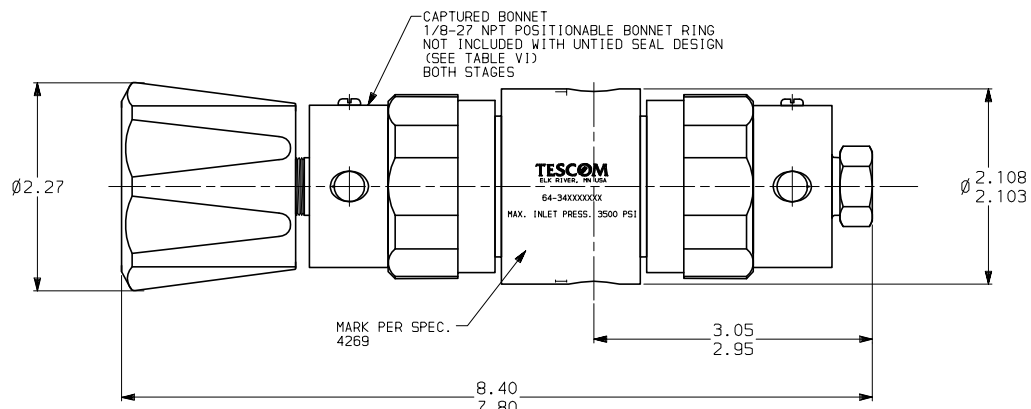
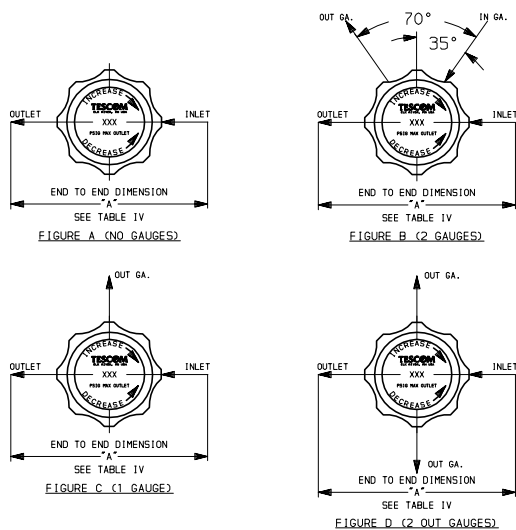


ALL DIMENSIONS REFERENCE

64-34XXXXXX



64-3400 SERIES REGULATOR

SPRING LOADED, HAND OPERATED, PRESSURE REDUCING, TWO STAGE REGULATOR, WITH METAL TO METAL SEALED DIAPHRAGMS, 10 R_a MICROINCH FINISH ON ALL WETTED SURFACES

GENERAL SPECIFICATIONS:

INLET PRESSURE: SEE TABLE VI
 OUTLET PRESSURE: SEE TABLE II
 DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE
 DESIGN BURST PRESSURE: 400% OF RATED PRESSURE
 OPERATING TEMPERATURE: SEE TABLE III
 LEAKAGE: INTERNAL: BUBBLE TIGHT
 EXTERNAL: <1 X 10⁻⁹ atm cc/sec. He PER ASTM E449

FLOW CAPACITY (Cv): SEE TABLE VI
 DECAYING INLET: .04 PSI/100 PSI
 WEIGHT: APPROXIMATELY 3 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT (1ST STAGE): SEE TABLE III
 SEAT (2ND STAGE): SEE TABLE III
 BODY: SEE TABLE I
 DIAPHRAGMS: SEE TABLE I
 REMAINING PARTS: SEE TABLE VI

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC:
 64-34XXXXX1X: A41607-01
 64-34XXXXX2X: A41607-02
 64-34XXXXX3X: A41607-03
 64-34XXXXX4X: A41607-04
 64-34XXXXX5X: A41607-02

KITS:

NONMETALLIC:

64-34XXKXX1X 64-34XXKXX2X 64-34XXKXX3X 64-34XXKXX4X 64-34XXKXX5X
 389-3694 389-3695 389-3696 389-3702 389-3697

REPAIR:

64-34XXKXX1X 64-34XXKXX2X 64-34XXKXX3X 64-34XXKXX4X 64-34XXKXX5X
 389-3698 389-3699 389-3700 389-3703 389-3701

TABLE I	DASH NO.	BODY MATERIAL	DIAPHRAGM
4		316L SST ELECTROPOLISHED	316L SST
6		316L SST INTERNAL EP (E5500-B)	316L SST

TABLE II	DASH NO.	OUTLET PRESSURE
0		0-30 PSI
1		0-60 PSI
2		0-100 PSI
3		0-150 PSI

TABLE III	DASH NO.	SEAT MATERIAL	OPERATING TEMPERATURE
V		VEPEL	-40°F TO +350°F
K		PCTFE	-40°F TO +140°F
T		TEFLON PFA (UNTIED ONLY)	-40°F TO +160°F

TABLE IV	DASH NO./LTR	INLET & OUTLET PORT SIZE	A ± .06	
			HPIC	WELDED-TUBES
A4	1/4		----	----
RG	1/4 MALE, SWIVEL		----	4.63
RH	1/4 FEMALE, SWIVEL		----	4.63
RL	1/2 FEMALE, SWIVEL		----	4.92
RK	1/2 MALE, SWIVEL		----	4.92
RA	1/4 FIXED, MALE		----	3.63
RN	IN PORT: 1/4 MALE, SWIVEL OUT PORT: 1/4 FEMALE		----	4.63
RR	IN PORT: 1/4 FEMALE OUT PORT: 1/4 MALE SWIVEL		----	4.63
RB	1/4 FIXED, MALE		----	3.51
RT	1/4 FEMALE SWIVEL		----	3.70
RM	1/4 MALE FIXED		----	3.70
T4	1/4 TUBE		----	3.00
SG	1/4 MALE, SWIVEL		----	3.83
RU	1/2 MALE, SWIVEL		----	5.59
RV	IN PORT: 1/4 FEMALE OUT PORT: 1/4 FIXED MALE		----	3.70
RE	1/4 FIXED, MALE		----	3.37
RC	1/4 MALE SWIVEL		----	4.50
T8	1/2 TUBE		----	3.70
HT	1/4 FEMALE SWIVEL (HI FLOW)		----	3.70

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.

SERIES NUMBER

64-3462KA420

TABLE V	GAUGE PORT OPTION			
	DASH NO.	GAUGE PORT TYPE	NUMBER OF GAUGE PORTS	GAUGE PORT LOCATION
0	NONE		0	SEE FIGURE A
1	1/4 HPIC-A		1	SEE FIGURE C
2	1/4 HPIC-A		2	SEE FIGURE B
3	1/4 HPIC-A		2	SEE FIGURE D
4	1/4 MALE, SWIVEL		2	SEE FIGURE D
5	1/4 MALE, SWIVEL		1	SEE FIGURE C
6	1/4 MALE, SWIVEL		2	SEE FIGURE B
7	1/4 FEMALE, SWIVEL		2	SEE FIGURE D
8	1/4 FEMALE, SWIVEL		1	SEE FIGURE C
9	1/4 FEMALE, SWIVEL		2	SEE FIGURE B
N	1/4 TUBE STUB		2	SEE FIGURE B
P	1/4 TUBE STUB		1	SEE FIGURE C
R	1/4 TUBE STUB		2	SEE FIGURE D
S	1/4 FIXED, MALE		2	SEE FIGURE B
T	1/4 FIXED, MALE		1	SEE FIGURE C
U	1/4 FIXED, MALE		2	SEE FIGURE D

TABLE VI	DASH NO.	SEAL DESIGN	MAX. INLET PRESSURE	STEM MAT'L.	REMAINING PARTS MAT'L.	VALVE SPRING	FLOW CAPACITY
1	UNTIED		3500 PSI	316 SST	316 SST	316 SST	Cv = .06
2	TIED		3500 PSI	316 SST	316 SST	316 SST	Cv = .06
3	TIED		3500 PSI	316 SST	316 SST	316 SST	Cv = .15
4	TIED		3500 PSI	HASTELLOY	316 SST	HASTELLOY	Cv = .15
5	TIED		3500 PSI	HASTELLOY	316 SST	HASTELLOY	Cv = .06

				<p>TESCOM CORPORATION HIGH PURITY CONTROLS DIVISION ELK RIVER, MN USA</p>		MATERIAL: X	
INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF TESCOM CORPORATION. NO RIGHTS ARE CONVEYED NOR IS PERMISSION TO DISCLOSE TO OTHERS GIVEN.				FINISH: X		UNLESS OTHERWISE SPECIFIED: .0 ± .020 ANGLES: ±1° .00 ± .010 .000 ± .005 SURFACE ROUGHNESS: 100 CORNER & FILLET RADII: .005-.020 THREADS: CLASS 2 REMOVE ALL BURRS (X) KEY CHARACTERISTICS	
REVISIONS REFERENCE DRAWING(S)				DRAWN BY: TY 10-27-95 CHECKED BY: DRM 10-27-95 APPROVED BY: DL 10-30-95		NAME INSTALLATION INFORMATION	
SCALE: 1:1 CODE NO. 13669				SIZE NUMBER C		NUMBER 64-34XXXXXX SHT. 1 OF 1	