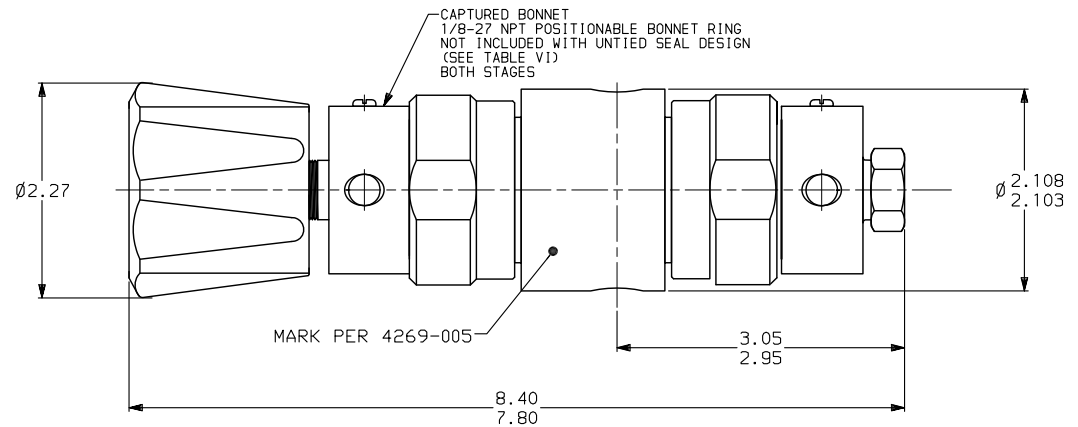


ALL DIMENSIONS REFERENCE

64-34XXXXXX-006



CAPTURED BONNET
1/8-27 NPT POSITIONABLE BONNET RING
NOT INCLUDED WITH UNTIED SEAL DESIGN
(SEE TABLE VI)
BOTH STAGES

MARK PER 4269-005

SERIES NUMBER
MODIFICATION NUMBER

64-3461KA412-006

64-3400 SERIES REGULATOR

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

MODIFICATION FEATURES:

CV= .02

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: A41607-05

KITS:

NONMETALLIC:

64-34XXXXX1X 64-34XXTX1X

XXX-XXXX XXX-XXXX

REPAIR:

64-34XXXXX1X 64-34XXTX1X

XXX-XXXX XXX-XXXX

TABLE I	DASH NO.	BODY MATERIAL	FINISH	DIAPHRAGM MATERIAL
	6	316L SST VAR	ELECTROPOLISH PER SEMI F19, HP GRADE	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
	K	PCTFE	-40°F TO +140°F
	T	TEFLON PFA (UNTIED ONLY)	-40°F TO +160°F

TABLE IV	DASH NO.	IN & OUT PORT TYPE	COMPATIBLE WITH:
	A	HPIC	VCR/VACULOK/VACUSEAL
	R	WELDED	VCR/VACULOK/VACUSEAL

TABLE V	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
	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	316L SST	Cv = .02

TABLE VII	DASH NO./LTR	INLET & OUTLET PORT SIZE	"A" ± .06
	4	1/4 (HPIC ONLY)	---
	G	1/4 MALE, SWIVEL	4.63
	H	1/4 FEMALE, SWIVEL	4.63
	L	1/2 FEMALE, SWIVEL	4.92
	A	1/4 FIXED, MALE	3.63
	N	IN PORT: 1/4 MALE, SWIVEL OUT PORT: 1/4 FEMALE	4.63
	R	IN PORT: 1/4 FEMALE OUT PORT: 1/4 MALE SWIVEL	4.63

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.
- VCR, REGISTERED TRADEMARKS OF CAJON CO.
VACULOK, REGISTERED TRADEMARK OF HOKE INC.
VACUSEAL, REGISTERED TRADEMARKS OF PARKER HANNIFIN CORP.

<p>TESCOM CORPORATION HIGH PURITY CONTROLS DIVISION ELK RIVER, MN USA</p>				<p>MATERIAL: γ</p>	
<p>INFORMATION CONTAINED ON THIS DOCUMENT IS THE PROPERTY OF TESCOM CORPORATION. NO RIGHTS ARE CONVEYED NOR IS PERMISSION TO DISCLOSE TO OTHERS GIVEN.</p>				<p>FINISH: γ</p>	
<p>UNLESS OTHERWISE SPECIFIED: .0 ± .020 ANGLES: ±1° .00 ± .010 .000 ± .005</p>				<p>SCALE: 1:1</p>	
<p>SURFACE ROUGHNESS: 100/ CORNER & FILLET RADI: .005-.020 THREADS: CLASS 2 REMOVE ALL BURRS</p>				<p>SIZE NUMBER</p>	
<p>KEY CHARACTERISTICS</p>				<p>NAME</p>	
<p>DRAWING MADE IN THIRD ANGLE PROJECTION (DO NOT SCALE DRAWING)</p>				<p>APPROVED BY:</p>	
<p>REV. DATE ECO NO. BY: APRR</p>				<p>DATE: 11-29-95</p>	
<p>REVISIONS</p>				<p>CHECKED BY: 12-1-95</p>	
<p>REFERENCE DRAWING(S)</p>				<p>APPROVED BY: 12-4-95</p>	
<p>INSTALLATION INFORMATION</p>				<p>SCALE: 1:1</p>	
<p>CODE NO. 13669</p>				<p>SHT. 1 OF 1</p>	