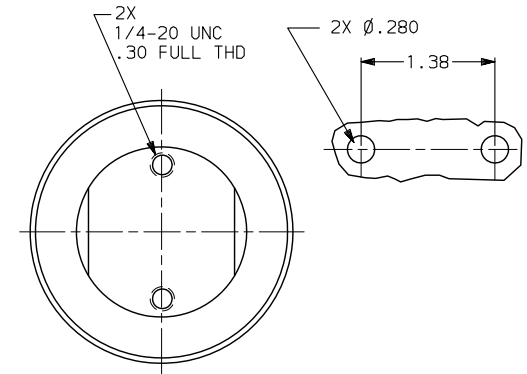
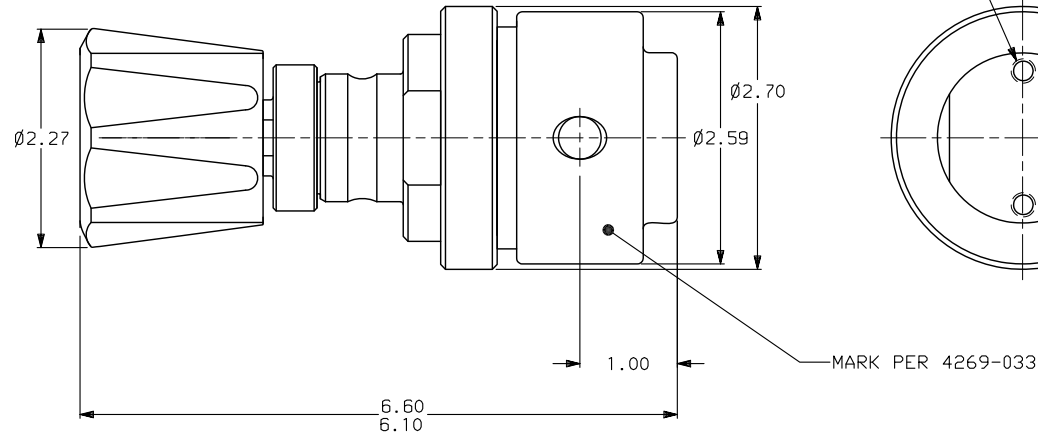
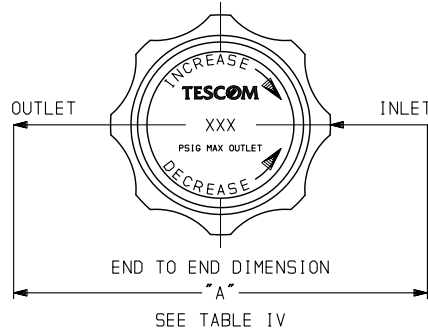


ALL DIMENSIONS REFERENCE

44-32XXXXX-498



44-3200 SERIES REGULATOR

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

MODIFICATION FEATURES:

FOR HELIUM & HYDROGEN SERVICE
LOW DROOP BONNET

GENERAL SPECIFICATIONS:

INLET PRESSURE: SEE TABLE V
OUTLET PRESSURE: SEE TABLE II
DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE
DESIGN BURST PRESSURE: 400% OF RATED PRESSURE
OPERATING TEMPERATURE: PCTFE: -40°F TO +140°F
LEAKAGE: INTERNAL: BUBBLE TIGHT
EXTERNAL: $<2 \times 10^{-8}$ atm cc/sec. He
FLOW CAPACITY (Cv): SEE TABLE V
WEIGHT: APPROXIMATELY 3.50 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT: (44-32XXJXX1): PCTFE
(44-32XXHXX3): PTFE
SEAL: TEFLON, SPRING ENERGIZED LIP SEAL
SEAT RETAINER: NITRONIC 60
BODY: SEE TABLE I
DIAPHRAGM: SEE TABLE I
REMAINING PARTS: SEE TABLE I

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS
UNIT USE SPEC: A7568-39 - (44-32XXJXX1)
A7568-40 - (44-32XXHXX3)

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.

SERIES NUMBER
MODIFICATION NUMBER
44-3263JRK1-498

TABLE I	DASH NO.	BODY MATERIAL	DIAPHRAGM	SPRING	REMAINING PARTS
6		316L SST	HASTELLOY	316 SST	316 SST
ELECTROPOLISH PER ASTM B 912					

TABLE II	DASH NO.	OUTLET PRESSURE
	0	0-25 PSI
	1	0-50 PSI
	2	0-100 PSI
	3	0-150 PSI
	4	0-200 PSI

TABLE VI	DASH	SEAT	VALVE TYPE
	LTR.	MATERIAL	
	H	PTFE	
	J <td>PCTFE<td>BALANCED</td></td>	PCTFE <td>BALANCED</td>	BALANCED

TABLE V	DASH NO.	MAX. INLET PRESSURE	FLOW CAPACITY
1		3000 PSI	Cv = 1.0
3		500 PSI	Cv = 1.0

TABLE IV	DASH NO./LTR	INLET & OUTLET PORT SIZE	"A" ± .06
K	1/2 MALE, SWIVEL		5.42
W	1/2 FEMALE, SWIVEL		5.59
U	1/2 MALE, SWIVEL		5.59
8	1/2 TUBE		6.42
9	1/2 FEMALE, ULTRASEAL		7.88
	1/2 MALE, ULTRASEAL		

TABLE III	DASH NO.	IN & OUT PORT TYPE	COMPATIBLE WITH:
T	TUBE		
R	WELDED		VCR/VACULOK/VACUSEAL
9	WELDED		ULTRASEAL

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				FINISH:	
AA 8-26-19 4225-19 DRM WRE REV. DATE ECO NO. BY: APPR REVISIONS REFERENCE DRAWING(S)		DRAWN BY: DRM 8-26-19 CHECKED BY: DRM 8-26-19 APPROVED BY: WRB 8-27-19 NAME INSTALLATION INFORMATION SCALE: 1:1 SIZE NUMBER 44-32XXXXX-498 CODE NO. 13669 C SHT. 1 OF 1			