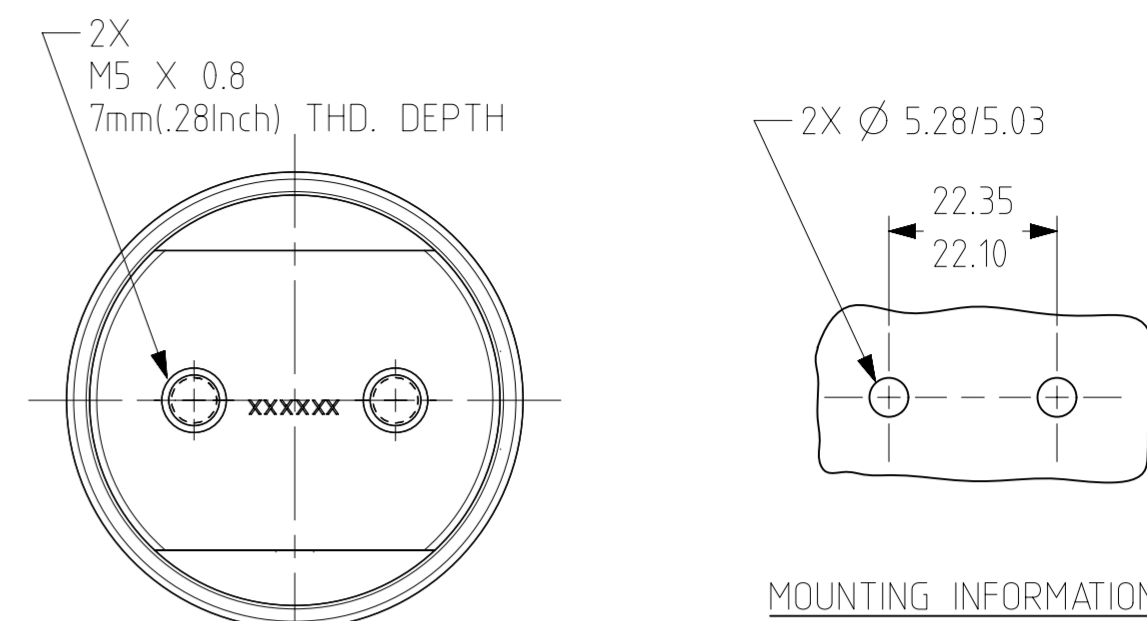
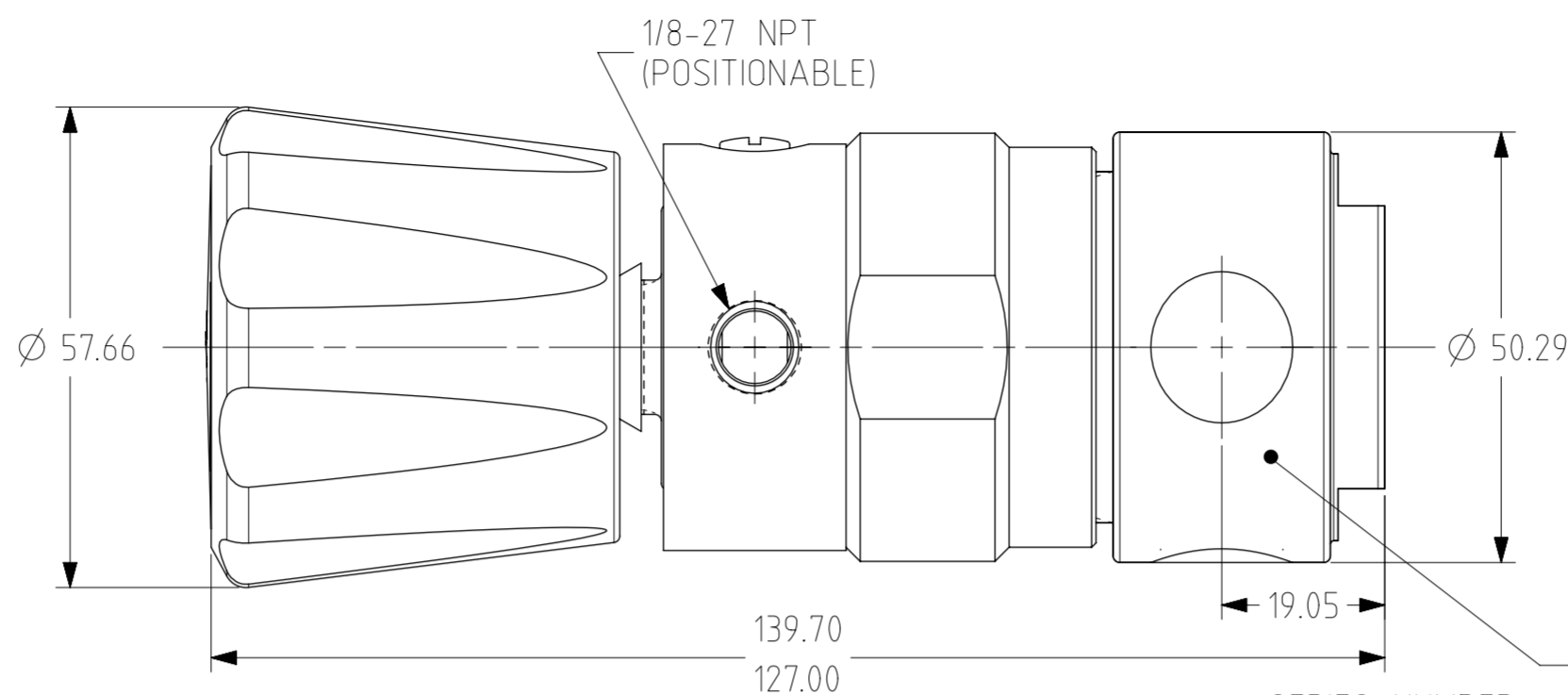
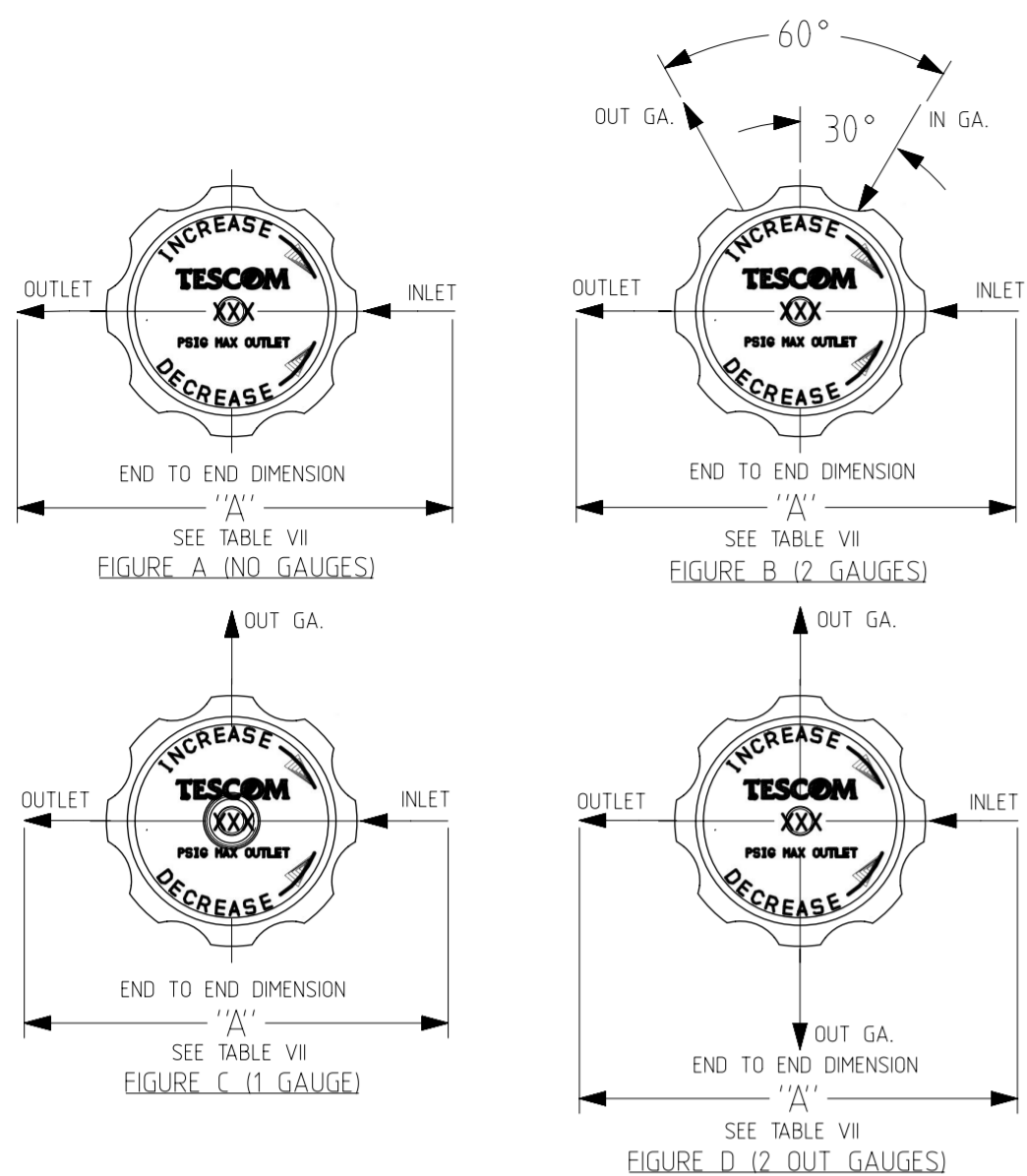


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ALL DIMENSIONS REFERENCE



64-2800 SERIES REGULATOR

SPRING LOADED, HAND OPERATED, POSITIVE SEAL DESIGN, PRESSURE REDUCING REGULATOR WITH METAL TO METAL SEALED DIAPHRAGM, 0.2 Ra MICROMETER 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:  $<1 \times 10^{-9}$  atm cc/sec. PER ASTM E449  
 FLOW CAPACITY (Cv): SEE TABLE VI  
 WEIGHT: APPROXIMATELY 2 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT: SEE TABLE III  
 BODY: SEE TABLE I  
 DIAPHRAGM: SEE TABLE VI  
 REMAINING PARTS: SEE TABLE VI

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC:  
 A41271-01 -- 64-28XXXXX1X 64-28XXXXX4X  
 A41271-02 -- 64-28XXXXX2X 64-28XXXXX3X

KITS:

NONMETALLIC: (64-28XXKXX1X) (64-28XXKXX4X)  
 NONE AVAILABLE NONE AVAILABLE  
 (64-28XXKXX2X) (64-28XXKXX3X)  
 NONE AVAILABLE NONE AVAILABLE

REPAIR:

(64-28XXKXX1X) (64-28XXKXX4X)  
 389-3631 NONE AVAILABLE  
 (64-28XXKXX2X) (64-28XXKXX3X)  
 389-3632

SERIES NUMBER  
 64-2861KR922

DASH NO.	BODY MATERIAL	FINISHING
6	316L SST VAR	ELECTROPOLISH PER SEMI F19 HP GRADE
4	316L SST	ELECTROPOLISH PER ASTM B 912

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

DASH NO.	SEAT MATERIAL	OPERATING TEMPERATURE
K	PCTFE	-40°F TO +140°F
V	VESPEL	-40°F TO +350°F

DASH NO.	IN & OUT PORT TYPE	COMPATIBLE WITH:
A	HPIC	VCR/VACUSEAL
H	WELDED HI-FLOW	VCR/VACUSEAL
R	WELDED	VCR/VACUSEAL
T	WELDED	- - - - -

DASH NO./LTR	INLET & OUTLET PORT SIZE	"A" ± 0.06(Inch)	
		HPIC	WELD-TUBE
4	1/4	- - -	3.00
6	3/8	- - -	3.00
8	1/2	- - -	3.00
G	1/4 MALE, SWIVEL	- - -	4.50
H	1/4 FEMALE, SWIVEL	- - -	4.50
K	1/2 MALE, SWIVEL	- - -	4.75
L	1/2 FEMALE, SWIVEL	- - -	4.75
A	1/4 FIXED, MALE	- - -	3.51
N	IN PORT: 1/4 MALE, SWIVEL OUT PORT: 1/4 FEMALE	- - -	4.50
Q	1/4 FEMALE, SWIVEL	- - -	4.29
R	IN PORT: 1/4 FEMALE OUT PORT: 1/4 MALE SWIVEL	- - -	4.50
M	1/4 MALE, SWIVEL	- - -	3.70
P	1/4 MALE, SWIVEL	- - -	5.34
T	1/4 FEMALE, SWIVEL	- - -	3.70
U	IN PORT: 1/4 MALE(SHORT NUT) OUT PORT: 1/4 FEMALE SWIVEL	- - -	3.70
B	1/4 FIXED, MALE	- - -	3.38
9	1/4 MALE, SWIVEL	- - -	4.65
C	1/4 FIXED, MALE	- - -	4.08
V	IN PORT: 1/4 FEMALE SWIVEL OUT PORT: 1/4 MALE(SHARP NUT)	- - -	3.70

GAUGE PORT OPTION			
DASH NO.		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
V	1/4 MALE, SWIVEL @ 12 O'CLOCK 1/4 FEMALE, SWIVEL @ 6 O'CLOCK	2	SEE FIGURE D

DASH NO.	MAX. INLET PRESSURE	DIAPHRAGM MATERIAL	WETTED PARTS MATL.	FLOW CAPACITY
1	3500 PSI	316L SST	316 SST	Cv = 0.06
2	1000 PSI	316L SST	316 SST	Cv = 0.15
3	1000 PSI	HASTELLOY	316 SST/3	Cv = 0.15
4	3500 PSI	HASTELLOY	316 SST/3	Cv = 0.06

SCD: REFER TO SOURCE CONTROL TABLE CATALOG PRODUCTS

NOTES:

1. 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.

2. VCR, REGISTERED TRADEMARKS OF SWAGelok CO.  
 VACUSEAL, REGISTERED TRADEMARK OF PARKER HANNIFIN IN CORP.  
 MATERIAL TO BE HASTELLOY OR EQUIVALENT PER ASTM B 574.



UNLESS OTHERWISE SPECIFIED TOLERANCE: ± 0.25 ANGLES: ± 1° SURFACE FINISH: 2.5 Ra BREAK SHARP CORNERS: 0.5 MAX DO NOT SCALE THIS DWG		 © 1996 2015 UNITS: MILLIMETERS ASME Y14.5M	INSTALLATION INFORMATION		
REVISION	ECRN NO 50717-15 CHANGES - APV BY wrbock 04-Jun-2015		PROJECT: DWN niki.qi 02-May-2013 CHK nina.xu 06-May-2013 APV	SHEET: 1 OF 1	SCALE: 1:1
REDRAWN AND CONVERTED FROM INCH TO METRIC		DRAWING		REV	
		64-28XXXXXX		BR	