



44-4600 SERIES REGULATOR

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

GENERAL SPECIFICATIONS:

INLET PRESSURE: ATMOSPHERIC TO 400 PSIG
 OUTLET PRESSURE: SEE TABLE II
 DESIGN PROOF PRESSURE: 150% OF RATED PRESSURE
 DESIGN BURST PRESSURE: 400% OF RATED PRESSURE
 OPERATING TEMPERATURE: -40°F TO +165°F
 LEAKAGE: INTERNAL: BUBBLE TIGHT
 EXTERNAL: 2×10^{-8} atm cc/sec. He
 FLOW CAPACITY (Cv): .24
 WEIGHT: APPROXIMATELY 2.75 LBS.

MATERIALS CONTACTING LINE MEDIA:

SEAT: TEFLON
 SPRING (MAIN VALVE): SEE TABLE I
 SPRING (BIAS): SEE TABLE I
 BODY: SEE TABLE I
 DIAPHRAGM: SEE TABLE I
 REMAINING PARTS: SEE TABLE I

ASSEMBLY INFORMATION:

FOR ASSEMBLY OF THIS UNIT USE SPEC: A60787-01

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
 SOFT GOODS: TEFLON
 44-4660524

TABLE I	DASH NO.	BODY MATERIAL	DIAPHRAGM	SPRING (BIAS)	SPRING (MAIN-VALVE)	REMAINING PARTS
	6	316 SST	316 SST	316 SST	ELGILOY	316 SST

TABLE II	DASH NO.	OUTLET PRESSURE	PROOF PRESSURE
	0	28 IN. VACUUM TO 15 PSIG	150%

TABLE IV	DASH NO.	INLET & OUTLET PORT SIZE
	4	1/4
	6	3/8

TABLE III	DASH NO.	INLET & OUTLET PORT TYPE	"A"
	1	SAE	2.04
	2	NPT	Ø2.28

		MATERIAL:
INDUSTRIAL CONTROLS DIVISION ELK RIVER, MN USA		FINISH:
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UNLESS OTHERWISE SPECIFIED: .00 ± .020 ANGLES: ±1° .00 ± .010 .000 ± .005 SURFACE ROUGHNESS: 100/		
CORNER & FILLET RADI: .005-.020 THREADS: CLASS 2 REMOVE ALL BURRS		
REV. DATE ECO NO. BY: APPR N 10-12-11 5651-11 MKS TWL M 9-1-09 2483-09 DKD BJT L 1-11-02 1400-01 SKO TMB K 7-15-98 196-98 TWL CRN J 11-15-95 922-95 SJW JH		DRAWN BY: SJW 11-15-95 CHECKED BY: JH 11-15-95 APPROVED BY: JH 11-15-95
REVISIONS REFERENCE DRAWING(S)		NAME: INSTALLATION INFO. SCALE: 1:1 SIZE NUMBER: 44-46XXX2X CODE NO. 13669 SHT. 1 OF 1