

4

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MODEL NO.	MAX DELIVERY PRESSURE	DELIVERY PRESSURE GAUGE
18B	15 PSI	0-30 PSI
18	50 PSI	0-60 PSI
18L	100 PSI	0-150 PSI
18H	200 PSI	0-400 PSI
18R*	500 PSI	0-1000 PSI

*SUPPLIED WITH T-BAR HANDLE INSTEAD OF KNOB

REF ONLY FOR PDM USE ONLY	DWG NO.	MODEL NO.
	18-OL-	MREG-4400-XX-

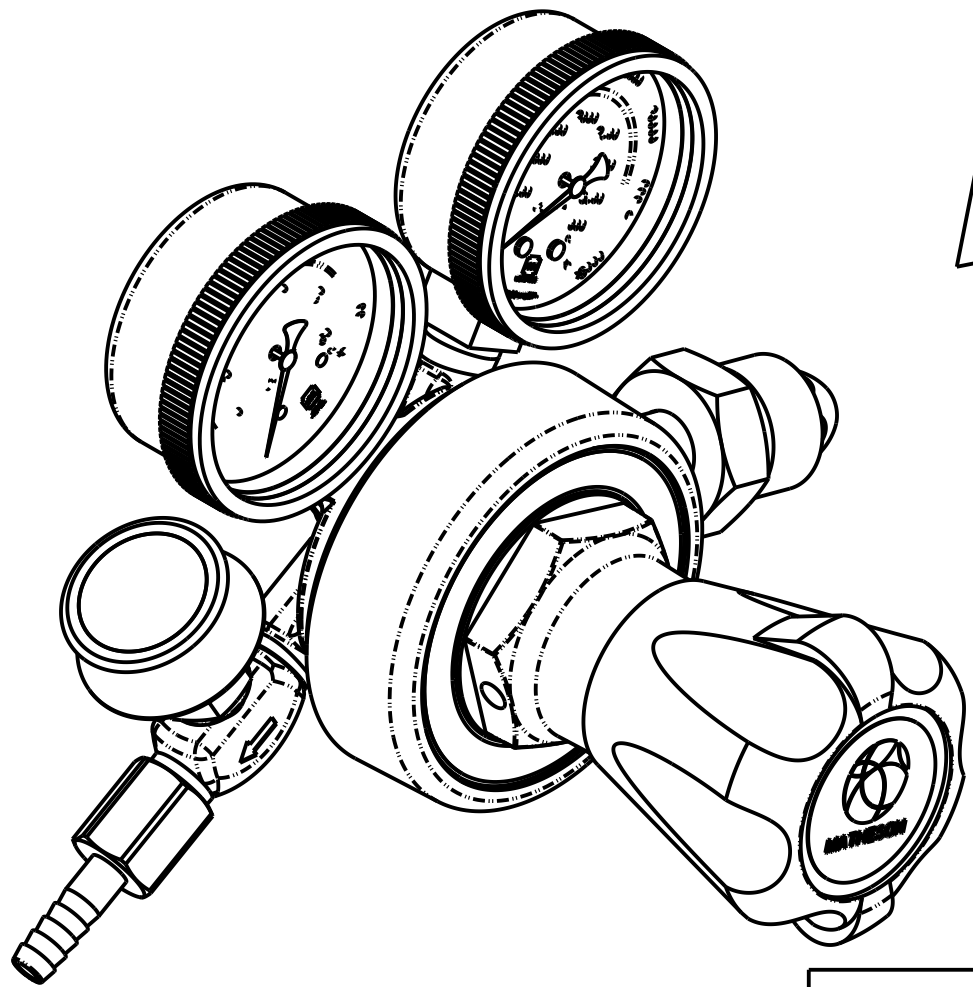
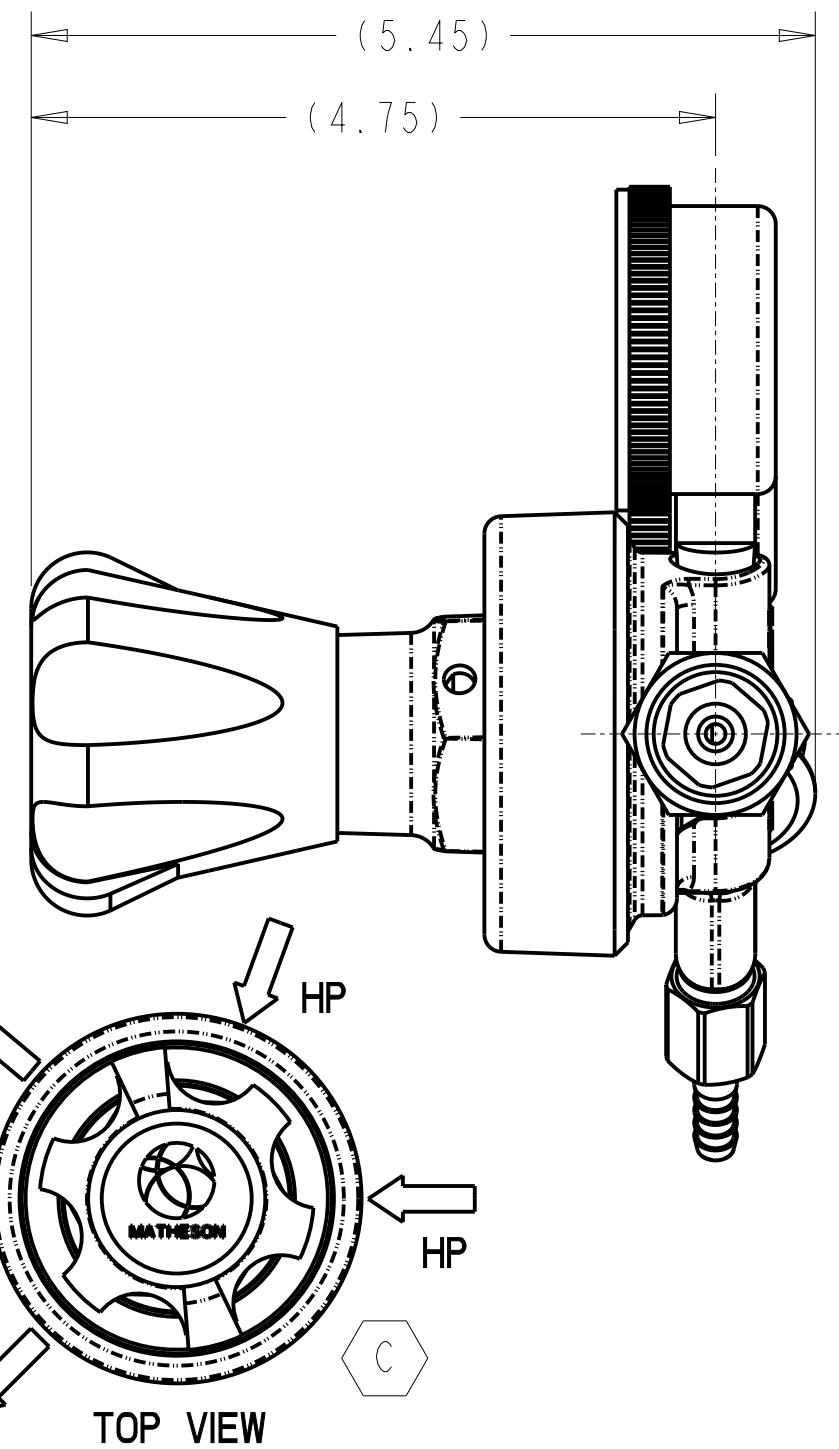
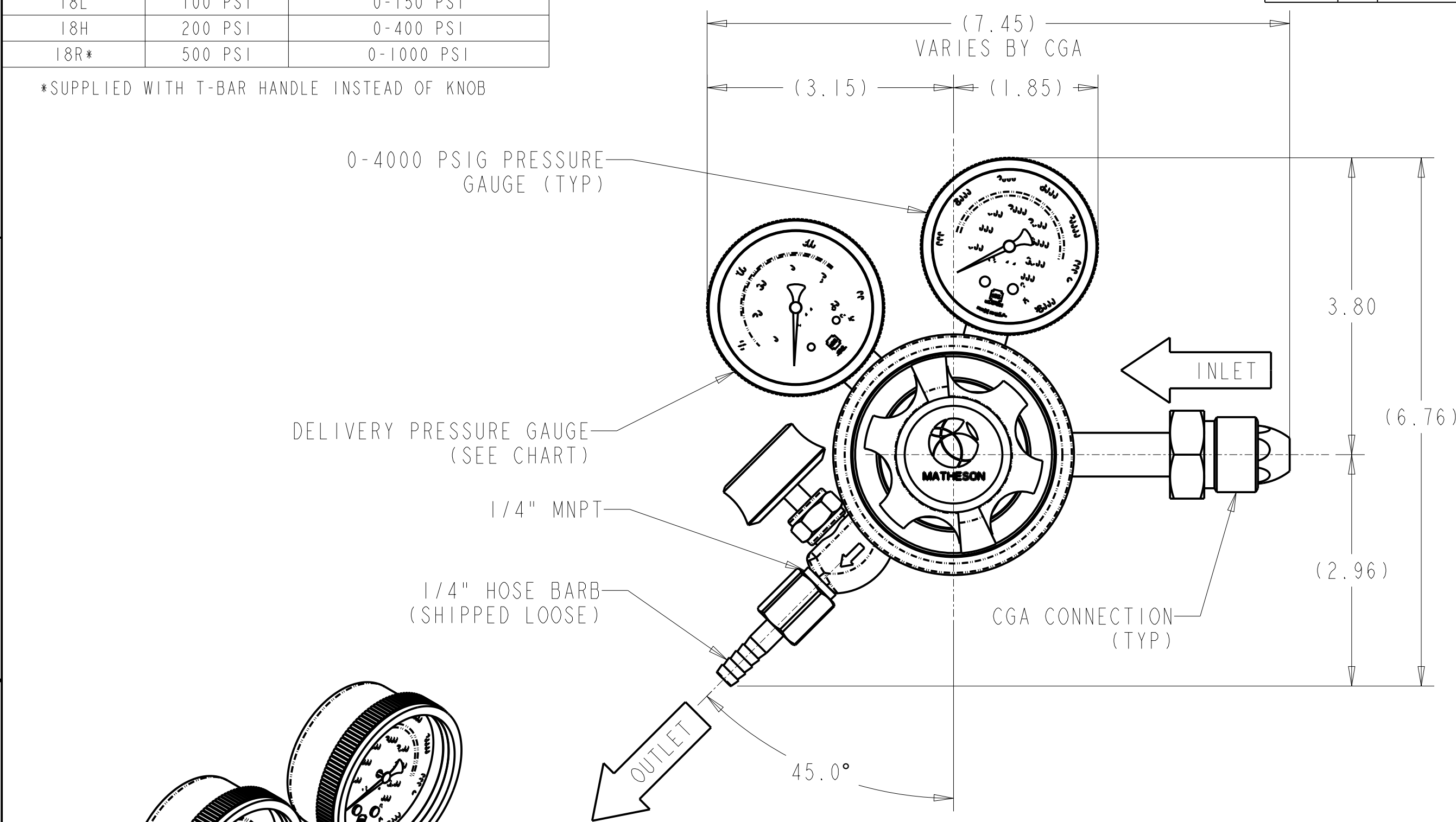
REVISIONS					
SH-ZONE	REV	DESCRIPTION	ECO NO.	BY/DATE	APVD/DATE
-	A	RELEASED FOR PRODUCTION	-	DL-1/13/20	WS-1/21/21
BI	B	REVISED CLEANING SPECIFICATION	-	DL-4/4/23	WS-4/4/23
BI	C	ADDED TOP VIEW PORT LAYOUT	-	DL-4/25/23	WS-4/24/23

D

C

B

A



MATERIALS	
REGULATOR BODY	FORGED BRASS
REGULATOR BONNET	CHROME PLATED ZINC DIECAST
REGULATOR DIAPHRAGM	NEOPRENE
REGULATOR SEAT	PTFE TEFLON
REGULATOR SEALS	NEOPRENE
INLET FILTER	NICKEL PLATED BRONZE
OUTLET VALVE BODY	FORGED BRASS
OUTLET VALVE PACKING	PTFE
OUTLET VALVE STEM	STAINLESS STEEL
OUTLET VALVE SEAT	BRASS

SPECIFICATIONS	
MAXIMUM INLET PRESSURE	3000 PSI (20,700 kPa)
FLOW CAPACITY-REGULATOR (Cv)	0.17 WITHOUT OUTLET VALVE
FLOW CAPACITY-VALVE (Cv)	0.37
OPERATING TEMPERATURE	-20°F TO 140°F (-29°C TO 60°C)
PORTING (REGULATOR BODY)	1/4" NPT FEMALE
PORTING CONFIGURATION	2 HIGH, 2 LOW
INLET FILTER	10 MICRON - SINTERED
BONNET THREADING	N/A
CLEANING	CGA G 4.1
PRESSURE RATING	PER ANSI/ASME B31.3
TYP MAX FLOW (100 PSI DEL. PRESS.)	15 SCFM-N2 (420 SLPM)
CONFORMS TO CGA E-4 STANDARD FOR GAS PRESSURE REGULATORS	

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TOLERANCES	
INCH	METRIC
X ± .1	X ± .8
.X ± .03	.X ± .3
.XX ± .01	.XX ± .13
.XXX ± .005	
63	1.6
ANGLES ± 1/2°	

MATERIAL:

FINISH:

THIRD ANGLE PROJECTION

DO NOT SCALE DRAWING

APPROVALS	
DRAWN BY:	DATE:
DL	1/13/20
CHECKED BY:	DATE:
WS	1/21/21
ENGINEER:	DATE:
WS	1/21/21

MATHESON
ask...The Gas Professionals™

GAS EQUIPMENT TECHNOLOGY GROUP, MONTGOMERYVILLE, PA 18936

TITLE: **OUTLINE DRAWING
18 SERIES REGULATOR,
SINGLE STAGE, FORGED BRASS**

SIZE: **C**

DWG. NO.: **18-OL**

REV: **C**

CREO SCALE: NTS SHEET 1 OF 1

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