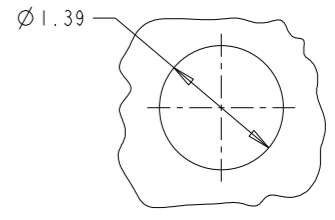
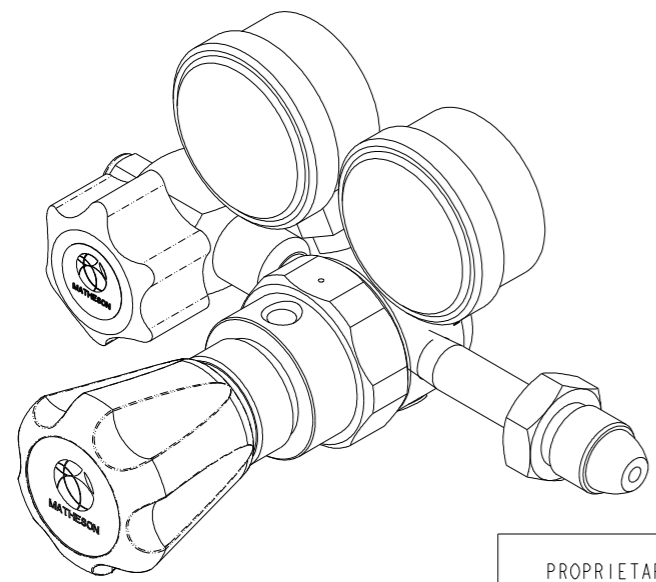
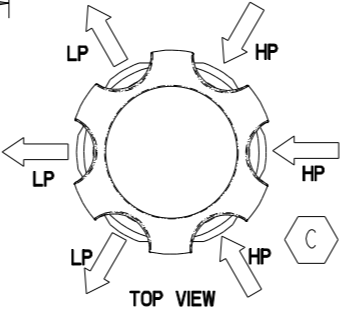
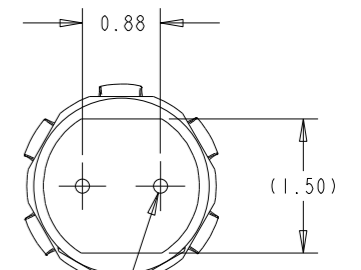
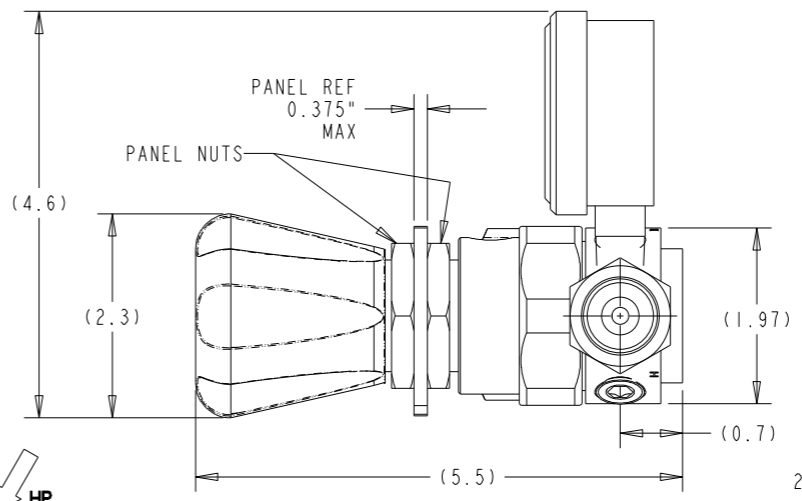
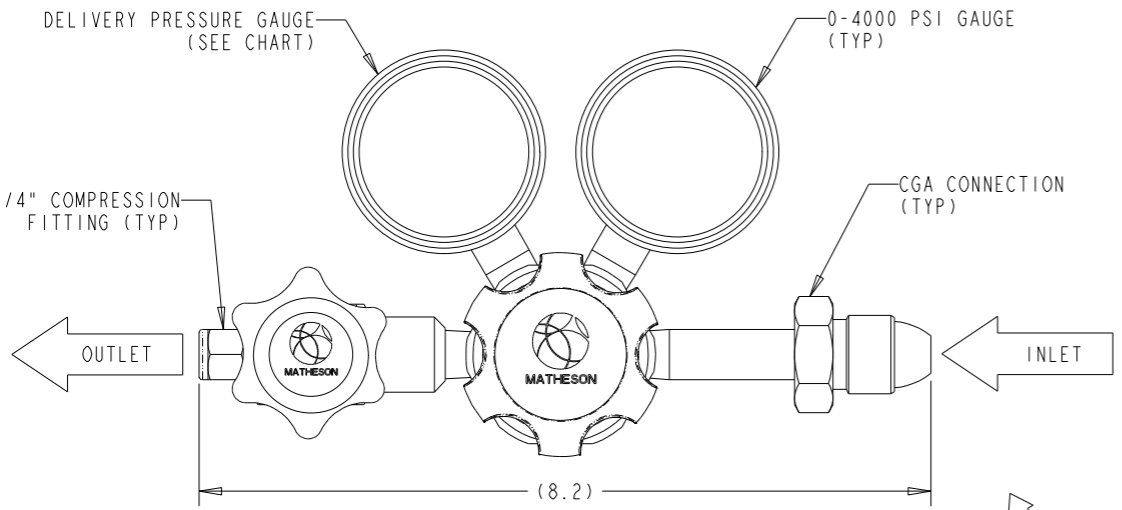


REVISIONS					
SH-ZONE	REV	DESCRIPTION	ECO NO.	BY/DATE	APVD/DATE
-	A	RELEASED FOR PRODUCTION	-	DL-11/12/20	WS-12/17/20
B1	B	REVISED CLEANING SPECIFICATION	-	DL-4/6/23	WS-4/6/23
B2	C	ADDED TOP VIEW PORT LAYOUT	-	DL-4/24/23	WS-4/24/23

MODEL NO.	MAX DELIVERY PRESSURE	DELIVERY PRESSURE GAUGE
3511A	15 PSI	30" VAC-0-30 PSI
3513A	50 PSI	30" VAC-0-100 PSI
3510A	125 PSI	30" VAC-0-200 PSI
3516A	250 PSI	0-400 PSI
3517A	500 PSI	0-1000 PSI



PANEL CUT-OUT



SPECIFICATIONS	
MAXIMUM INLET PRESSURE	3000 PSI (20,700 kPa)
REGULATOR FLOW CAPACITY (Cv)	0.08
OPERATING TEMPERATURE	-40°F TO 140°F (-40°C TO 60°C)
PORTING (REGULATOR BODY)	1/4" NPT FEMALE
PORTING CONFIGURATION	3 HIGH, 3 LOW
INLET FILTER	10 MICRON - SINTERED
BONNET THREADING	1-3/8"-12
BONNET VENT HOLE	1/8" NPT
VALVE FLOW CAPACITY (Cv)	0.13
LEAK TEST	1 x 10 ⁻⁵ SCCM-HE
CLEANING	CGA G 4.1
PRESSURE RATING	PER ANSI/ASME B31.3
TYP MAX FLOW (100 PSI DEL. PRESS.)	8 SCFM-N2 (230 SLPM)
CONFORMS TO CGA E-4 STANDARD FOR GAS PRESSURE REGULATORS	

MATERIALS	
REGULATOR BODY	316L STAINLESS STEEL BARSTOCK
REGULATOR BONNET	CHROME PLATED BRASS BARSTOCK
REGULATOR DIAPHRAGM	316L STAINLESS STEEL
REGULATOR SEAT	TEFLON
REGULATOR SEALS	METAL TO METAL
INLET FILTER	316L STAINLESS STEEL
VALVE BODY	316L STAINLESS STEEL
VALVE DIAPHRAGM	316L STAINLESS STEEL
VALVE SEAT	PCTFE

PROPRIETARY STATEMENT THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO MATHESON TRI-GAS, INC. AND SHALL NOT BE REPRODUCED OR DISCLOSED TO THIRD PARTIES WITHOUT PRIOR WRITTEN CONSENT FROM MATHESON TRI-GAS.

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	11/12/20
CHECKED BY:	DATE:
WS	12/17/20
ENGINEER:	DATE:
WS	12/17/20



GAS EQUIPMENT TECHNOLOGY GROUP, MONTGOMERYVILLE, PA 18936

TITLE:
**OUTLINE DRAWING
MODEL 3510A SERIES,
SINGLE STAGE REGULATOR, STAINLESS STEEL**

SIZE	DWG. NO.	REV
C	3510A-OL	C
CREO	SCALE: NTS	SHEET 1 OF 1