

NOTES:

1. THIS DRAWING DESCRIBES THE FUELAB 535xx SERIES MINI FUEL PRESSURE REGULATOR.
2. FEATURES INCLUDE:
 - TWO -6AN INLET PORTS (ON EITHER SIDE OF REGULATOR)
 - ONE -6AN RETURN PORT (ON BOTTOM OF REGULATOR)
 - AVAILABLE IN PRESSURE RANGES: "T", "E" AND "G"
 - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE DIAPHRAGM AND SEALS. PLUG AND FITTING ARE MADE OF UNPLATED BRASS.
3. FUEL COMPATIBILITY INCLUDES:
 - GASOLINE (PUMP OR RACE)
 - METHANOL
 - ETHANOL (INCLUDING E85)
 - DIESEL
4. UNIQUE SERIAL NUMBER DOES NOT CONTAIN DIRECT INFORMATION IN DETERMINING MODEL NUMBER. CONTACT FUELAB FOR DETERMINATION OF MODEL NUMBER BASED ON SERIAL NUMBER.
5. BRACKET, PRESSURE ADJUSTMENT HARDWARE, BRACKET MOUNTING HARDWARE, GAUGE PORT PLUG, BARBED FITTING, 3X -906 PORT O-RINGS AND INSTRUCTIONS INCLUDED, BAGGED SEPARATELY FROM REGULATOR.
6. REFERENCE DRAWING 1050203A1 FOR ASSEMBLY INSTRUCTIONS.
7. SEE TABLES BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER.
8. RATED FLOW CAPACITY IS A FUNCTION OF PRESSURE SETTING AS WELL AS RETURN LINE SIZE AND CONFIGURATION, THEREFORE FLOW CAPACITY MAY BE HIGHER OR LOWER, BUT REPRESENTS TYPICAL CAPACITY. REGULATION SLOPE REFERS TO CHANGES IN FUEL PRESSURE AS A FUNCTION OF CHANGES IN FLOW RATE. AS THE AMOUNT OF FUEL FLOWING THROUGH THE REGULATOR REDUCES, THE REGULATED PRESSURE WILL LOWER, SPECIFIED BY THE REGULATION SLOPE.
9. FOR TYPICAL EFI APPLICATIONS, PRESSURE REFERENCE PORT IS PLUMBED TO THE ENGINE'S INTAKE MANIFOLD. CHANGES IN AIR PRESSURE AT THIS PORT WILL RESULT IN A CHANGE IN FUEL PRESSURE AT A RATIO OF 1:1.

MODEL NUMBER SCHEME:

53501 - c
 c = COLOR CODE
 EFI ("E" PRESSURE RANGE) MINI FUEL PRESSURE REGULATOR

53502 - c - p
 p = PRESSURE RANGE CODE
 c = COLOR CODE
 CUSTOM PRESSURE MINI FUEL PRESSURE REGULATOR

PRESSURE RANGE CODE, p

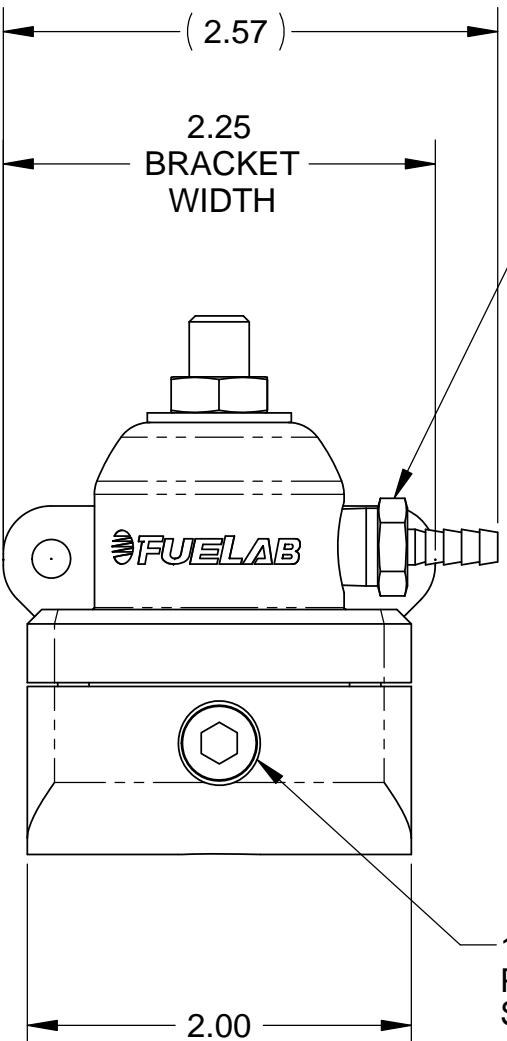
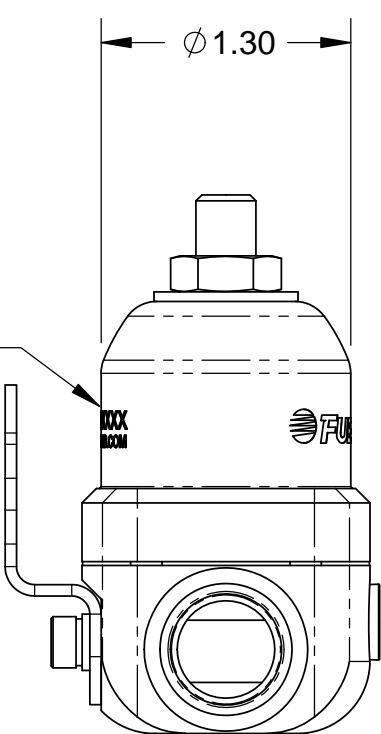
p	APPROX. PRESSURE RANGE	APPROX. FLOW CAPACITY	REGULATION SLOPE
T	10-25 PSID (.7 - 1.7 BAR)	1.25 GPM (285 LPH)	2.5 PSI/GPM
E	25-90 PSID (1.7 - 6.2 BAR)	2.5 GPM (570 LPH)	5.75 PSI/GPM
G	90-125 PSID (6.2 - 8.6 BAR)	3.7 GPM (1000 LPH)	6.5 PSI/GPM

COLOR CODE, c

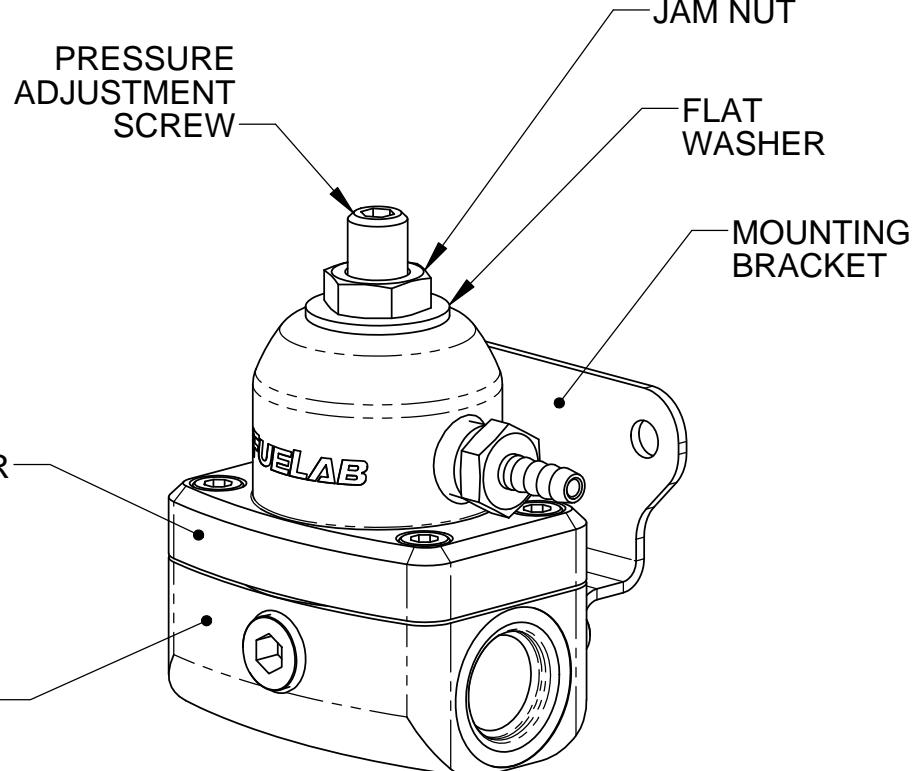
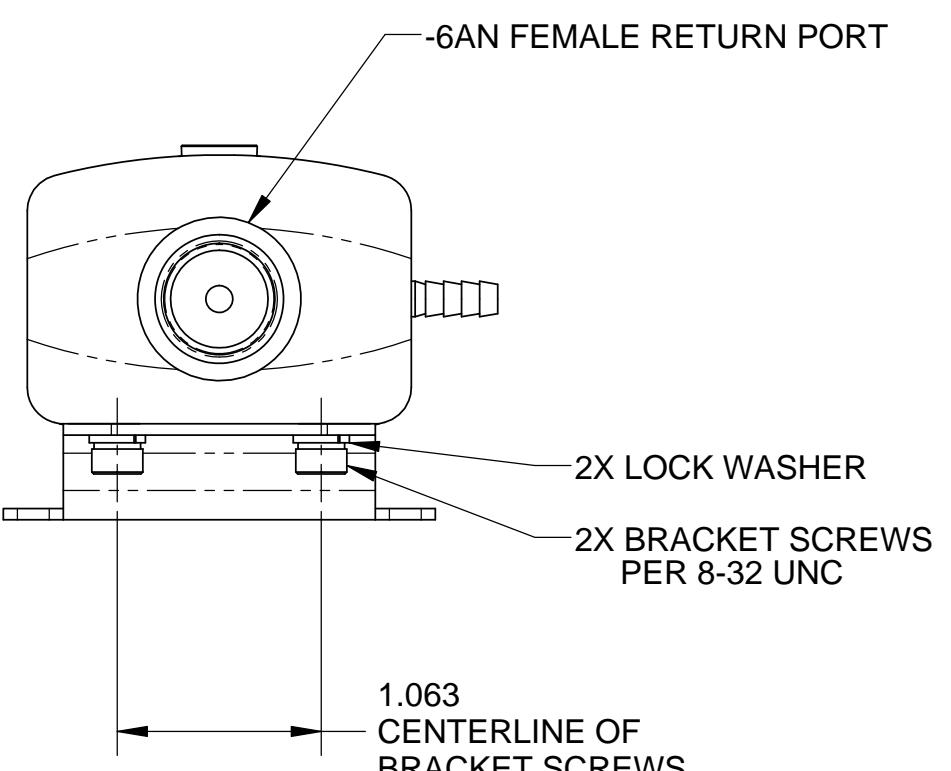
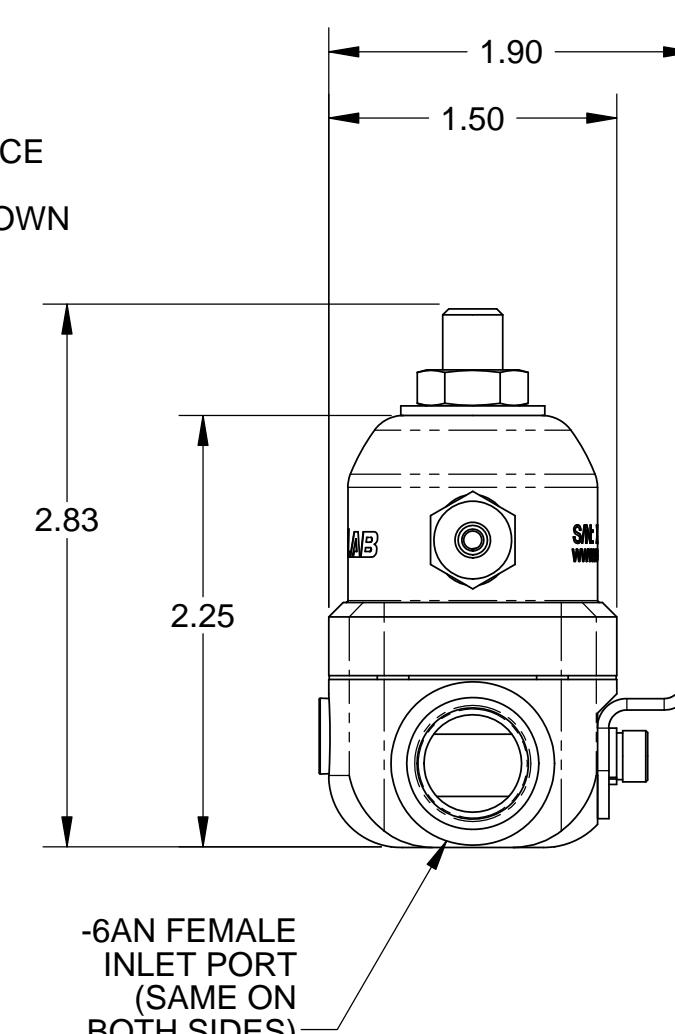
c	COVER COLOR	BODY COLOR
1	BLACK	BLACK
2	RED	CLEAR
3	BLUE	CLEAR
4	PURPLE	CLEAR
5	GOLD	BLACK
6	GREEN	CLEAR

8.

UNIQUE SERIAL NUMBER IDENTIFICATION (ON REAR)



PRESSURE REFERENCE PORT PER 1/8-27 NPT (BARBED FITTING SHOWN INSTALLED.)


**ISOMETRIC VIEW
(ALL VIEWS ARE SHOWN WITH HARDWARE INSTALLED)**

UNLESS OTHERWISE SPECIFIED:	FUELAB	
INTERPRET DWG PER ANSI Y14.5	Litchfield, Illinois	
DIMENSIONS ARE IN INCHES		
FRANGULAR: $\pm 1/64$		
ANGULAR: $\pm 1/2^\circ$		
DECIMALS: .010		
X ± 1 XX ± 0.3 XXX ± 0.10		
128		
SURFACE FINISH: $\sqrt{ } 0.005$ OR BETTER		
BREAK ALL SHARP EDGES .010 MAX		
REMOVE ALL BURRS		
THIRD ANGLE PROJECTION		
DO NOT SCALE DRAWING		
SIZE	DWG. NO.	REV
C	105020300	A
SCALE: 1/1	WEIGHT: .46 LB	sheet: 1 OF 1