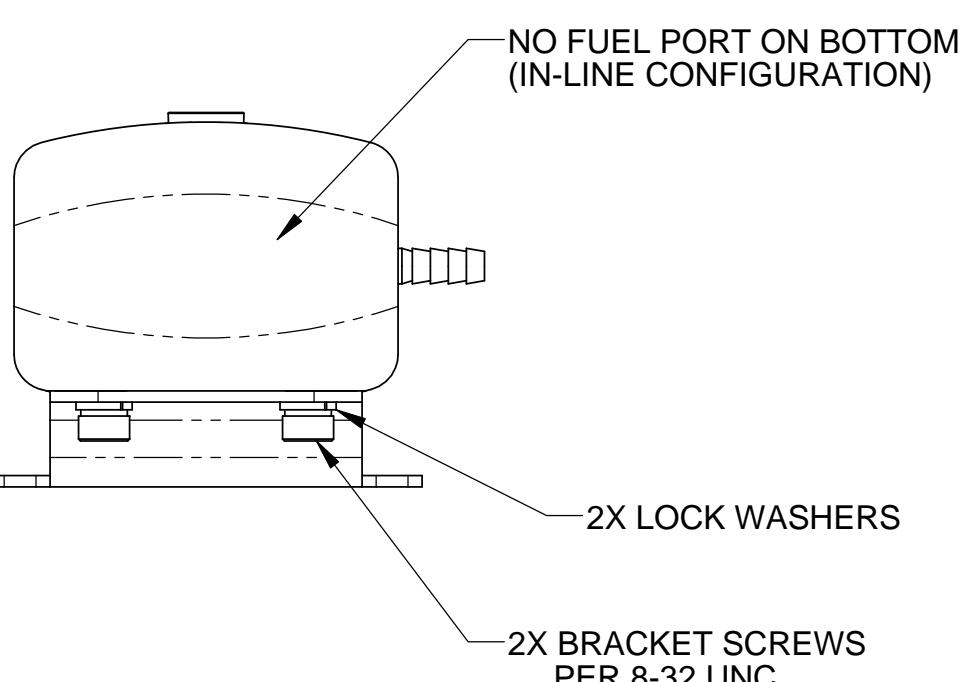
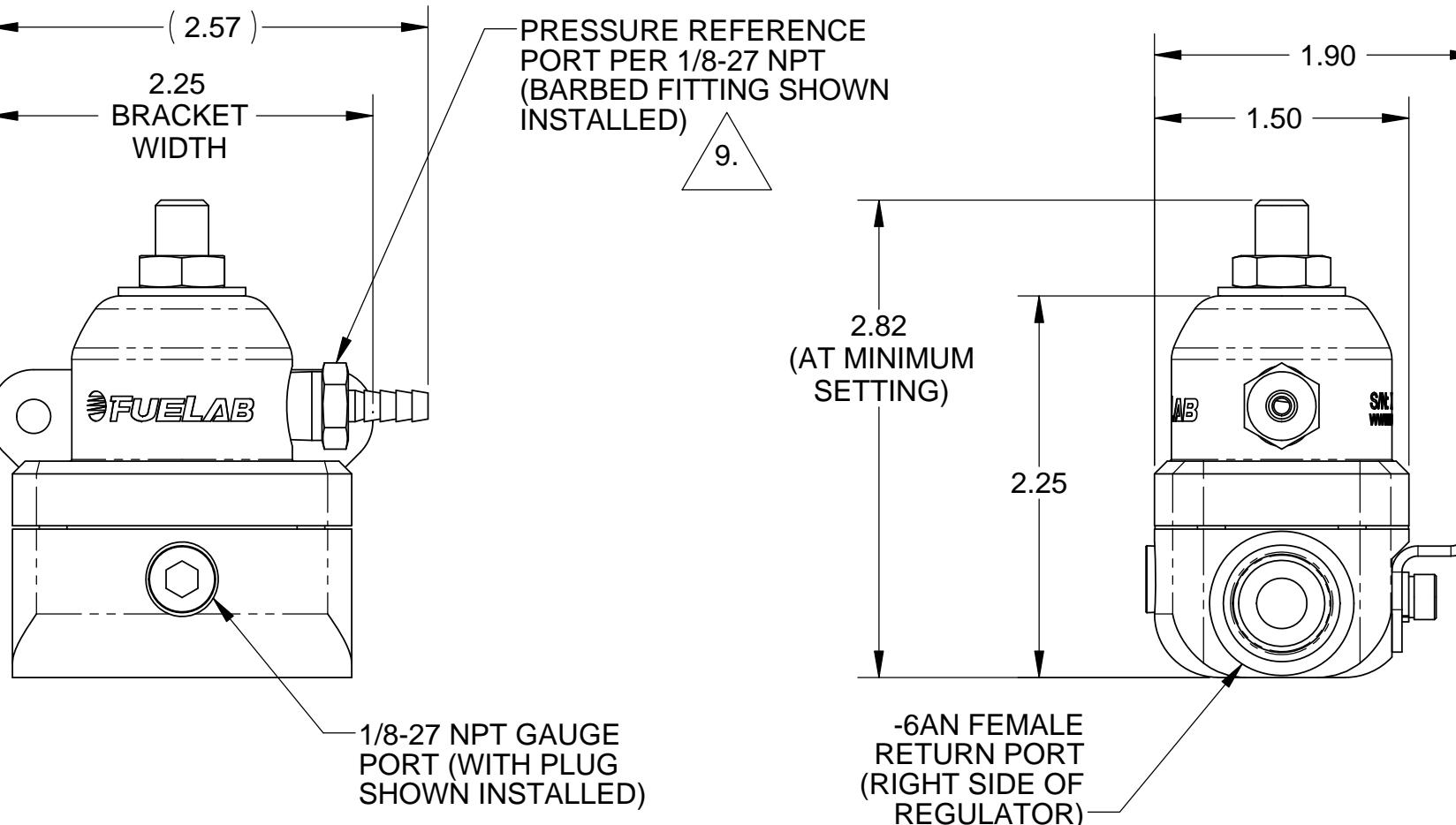
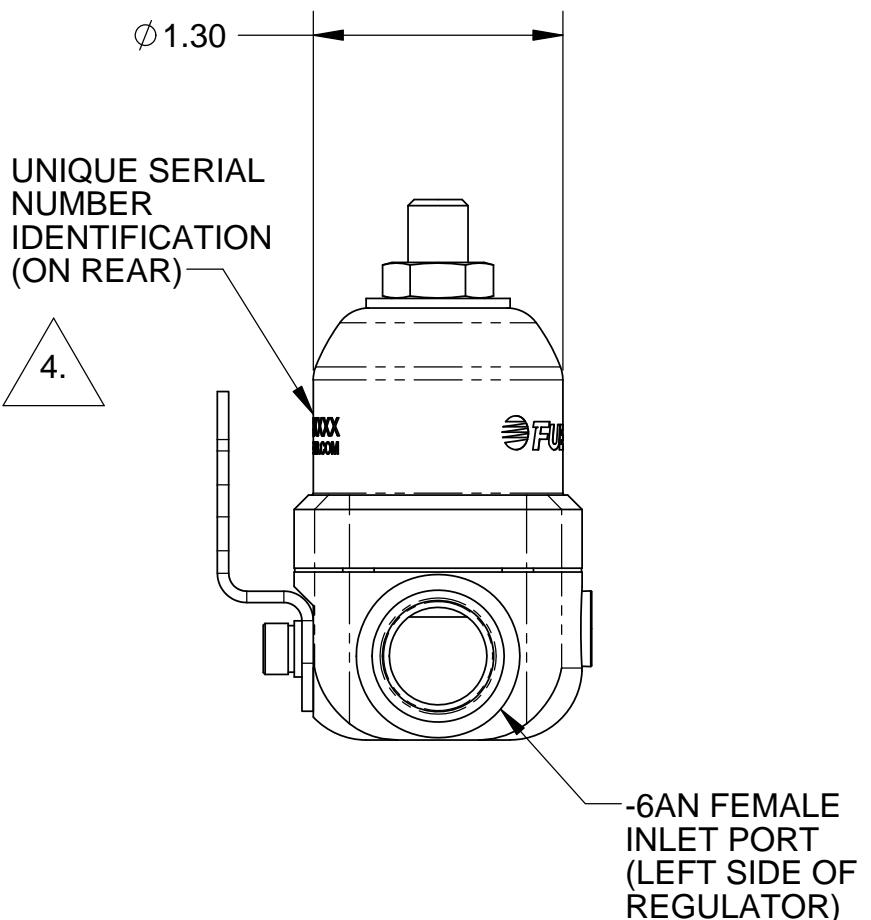


**NOTES:**

1. THIS DRAWING DESCRIBES THE FUELAB 545xx SERIES IN-LINE MINI FUEL PRESSURE REGULATOR.
2. FEATURES INCLUDE:
  - ONE -6AN INLET PORT (LEFT SIDE OF REGULATOR)
  - ONE -6AN RETURN PORT (RIGHT SIDE 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 1050204A1 FOR ASSEMBLY DRAWINGS.
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 RUNNING 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:**

**54501 - c**  
 c = COLOR CODE  
 EFI ("E" PRESSURE RANGE) LIN-LINE  
 MINI FUEL PRESSURE REGULATOR

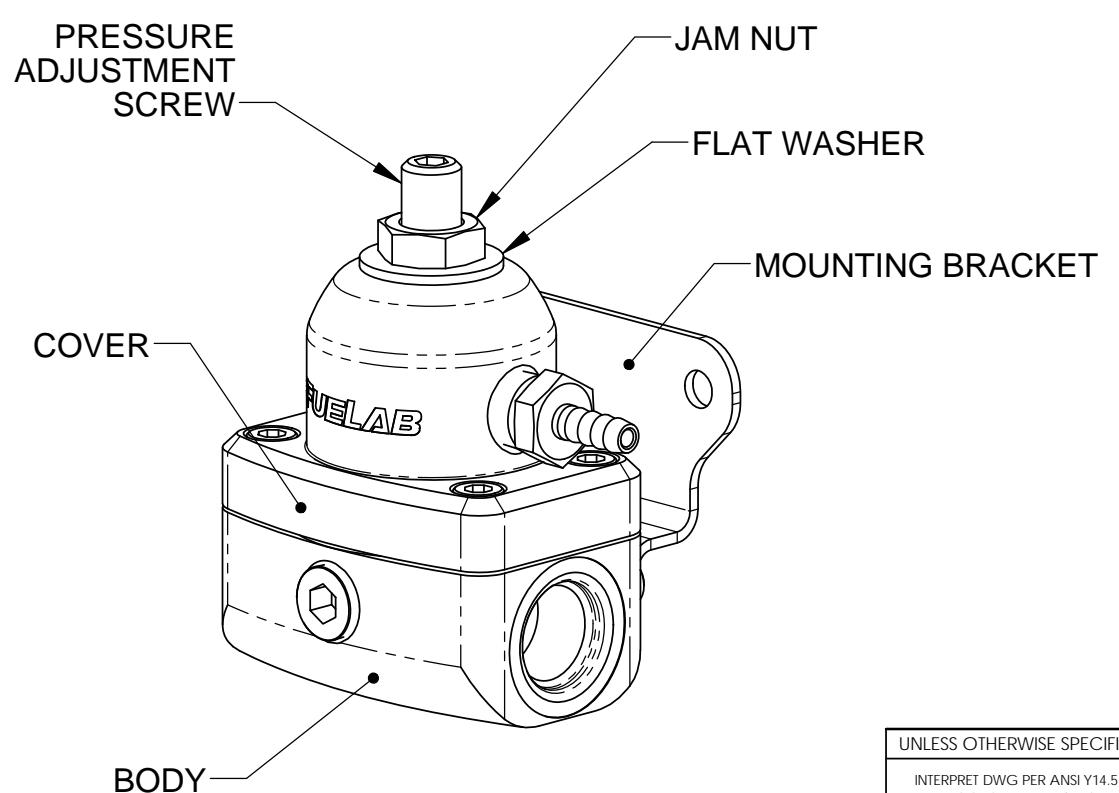
**54502 - c - p**  
 p = PRESSURE RANGE CODE  
 c = COLOR CODE  
 CUSTOM PRESSURE IN-LINE MINI  
 FUEL PRESSURE REGULATOR

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

**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

8.



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

UNLESS OTHERWISE SPECIFIED:	FUELAB	
INTERPRET DWG PER ANSI Y14.5	Digital Fuel Delivery	
DIMENSIONS ARE IN INCHES	Litchfield, Illinois	
FRONT VERTICAL $\pm 1/64$		
ANGULAR $\pm 1/2^\circ$		
DECIMALS $\pm 0.010$		
$X \pm 1$ $XX \pm 0.03$ $XXX \pm 0.010$		
128		
SURFACE FINISH $\sqrt{}$ OR BETTER		
BREAK ALL SHARP EDGES .010 MAX		
REMOVE ALL BURRS		
THIRD ANGLE PROJECTION		
DO NOT SCALE DRAWING		
SIZE	DWG. NO.	REV
C	105020400	A
SCALE: 1/1	WEIGHT: .46 LB	sheet: 1 OF 1