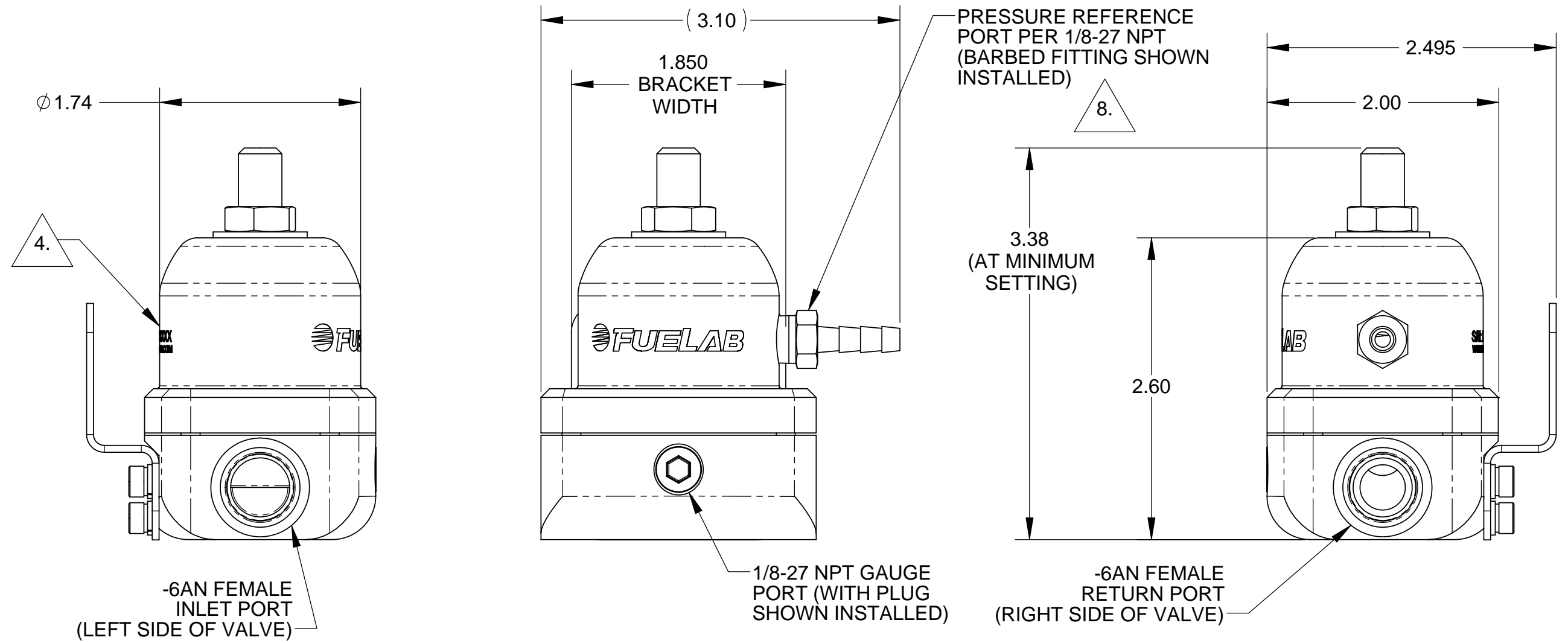
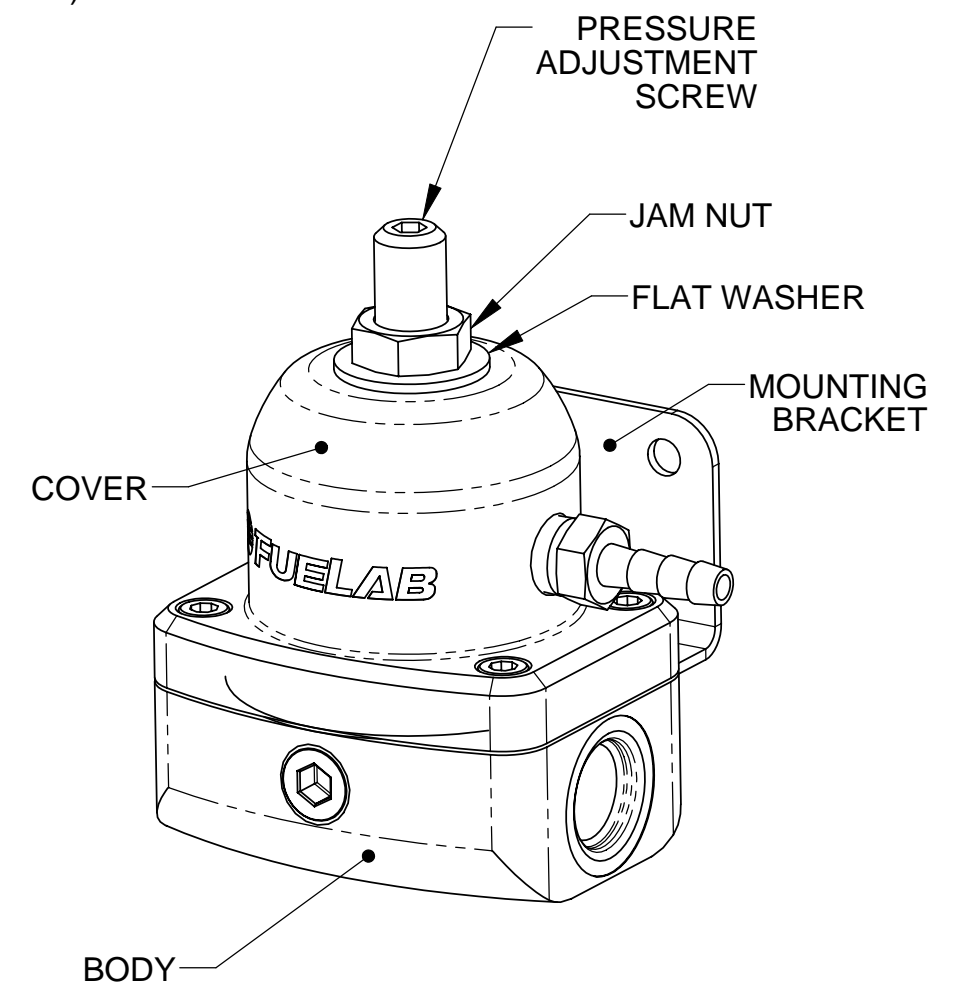
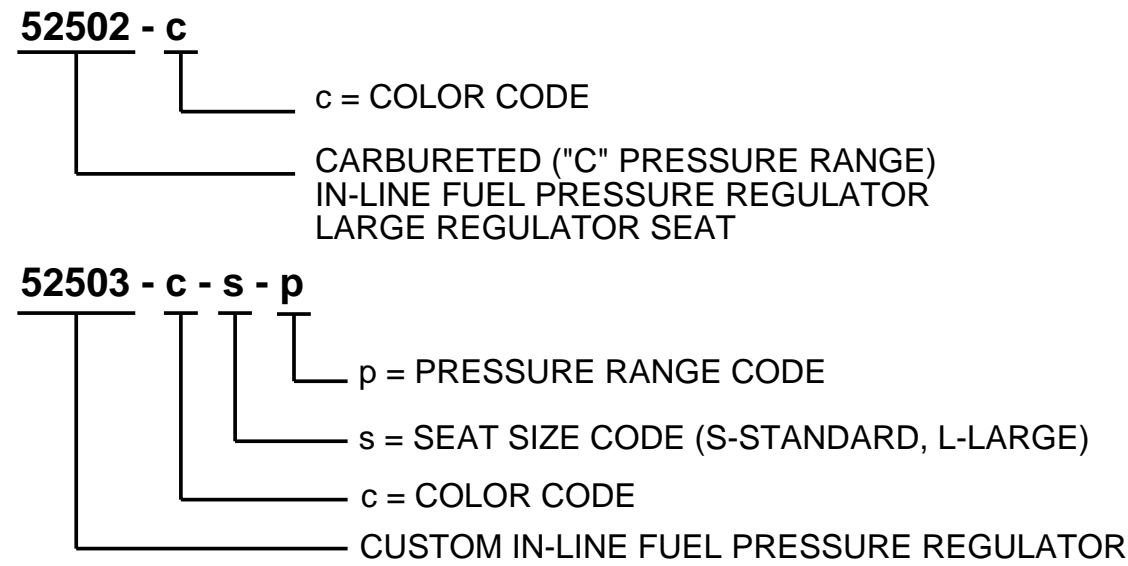
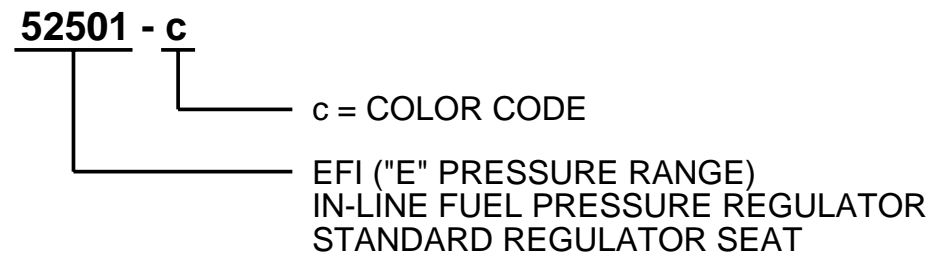


**NOTES:**

1. THIS DRAWING DESCRIBES THE FUELAB 525xx SERIES IN-LINE 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: "L", "C", "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 PORT O-RINGS AND INSTRUCTIONS INCLUDED, BAGGED SEPARATELY FROM REGULATOR.
6. SEE TABLES BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER.
7. 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.
8. 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:**



**PRESSURE RANGE CODE WITH SEAT SIZE, p - s**

| P | APPROX. PRESSURE RANGE      | S | SEAT SIZE | APPROX. FLOW CAPACITY | REGULATION SLOPE |
|---|-----------------------------|---|-----------|-----------------------|------------------|
| L | 1-3 PSID (0.1 - 0.22 BAR)   | L | LARGE     | 1.25 GPM (285 LPH)    | 0.7 PSI/GPM      |
| C | 4-12 PSID (0.28 - 0.82 BAR) | L | LARGE     | 2.5 GPM (570 LPH)     | 0.8 PSI/GPM      |
| T | 10-25 PSID (0.7 - 1.7 BAR)  | S | STANDARD  | 2.5 GPM (570 LPH)     | 0.9 PSI/GPM      |
| T | 10-25 PSID (0.7 - 1.7 BAR)  | L | LARGE     | 3.2 GPM (725 LPH)     | 0.9 PSI/GPM      |
| E | 25-90 PSID (1.7 - 6.2 BAR)  | S | STANDARD  | 2.5 GPM (570 LPH)     | 3.0 PSI/GPM      |
| E | 25-90 PSID (1.7 - 6.2 BAR)  | L | LARGE     | 3.7 GPM (1000 LPH)    | 3.0 PSI/GPM      |
| G | 90-125 PSID (6.0 - 8.6 BAR) | S | STANDARD  | 3.7 GPM (1000 LPH)    | 5.75 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      |

UNLESS OTHERWISE SPECIFIED:  
 INTERPRET DWG PER ANSI Y14.5  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL: ±1/64"  
 ANGULAR: ±1/2°  
 DECIMALS:  
 X±1 XX±0.03 XXX±0.10  
 SURFACE FINISH 128 OR BETTER  
 BREAK ALL SHARP EDGES .010 MAX  
 REMOVE ALL BURRS  
 THIRD ANGLE PROJECTION  
 DO NOT SCALE DRAWING

**FUELAB**  
 DIGITAL FUEL DELIVERY  
 Litchfield, Illinois

TITLE:  
**REGULATOR,  
 525xx SERIES**

SIZE DWG. NO. REV  
**C 105020200**

SCALE: 1/1 WEIGHT: SHEET: 1 OF 1