

NOTES:

- THIS DRAWING DESCRIBES THE FUELAB 515xx SERIES FUEL PRESSURE REGULATOR.
- FEATURES INCLUDE:
 - TWO -10AN INLET PORTS (ON EITHER SIDE OF REGULATOR, FOR MODELS 51501, 51503, AND 51505), MODELS 51502, 51504 AND 51506 HAVE TWO -6AN INLET PORTS.
 - ONE -6AN RETURN PORT (ON BOTTOM 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.

- 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.

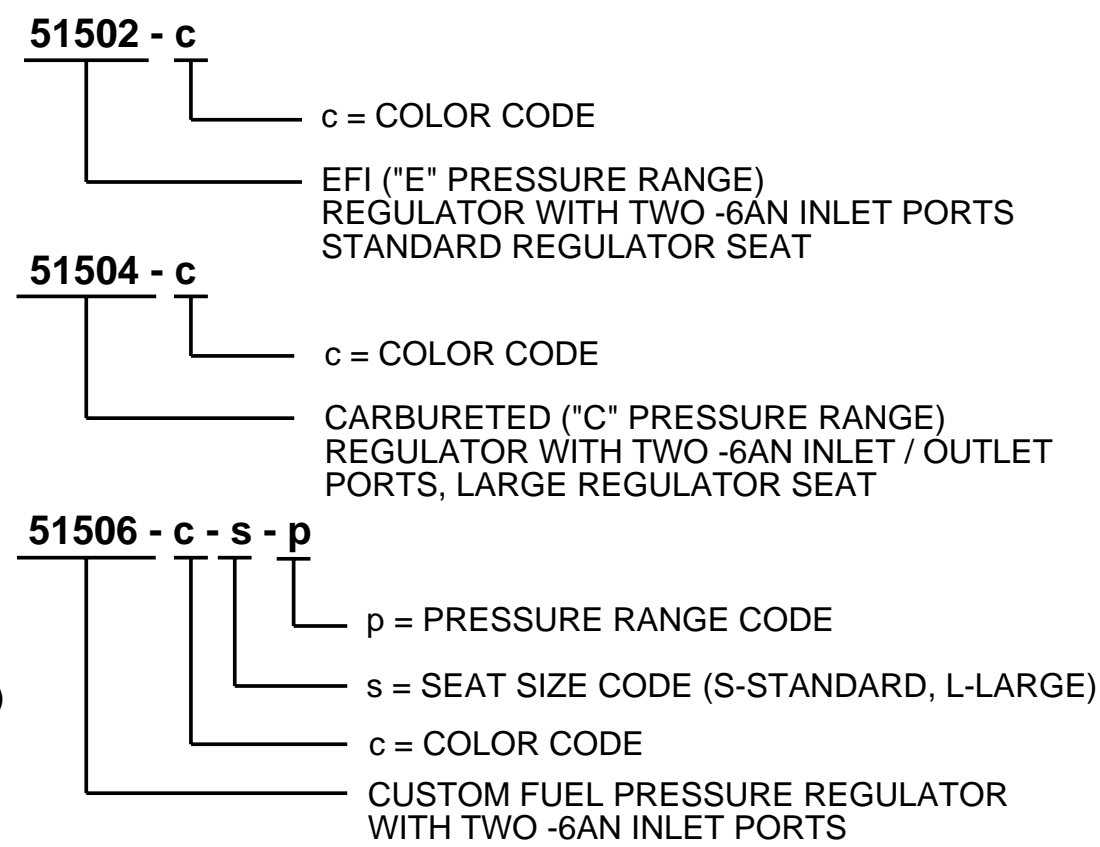
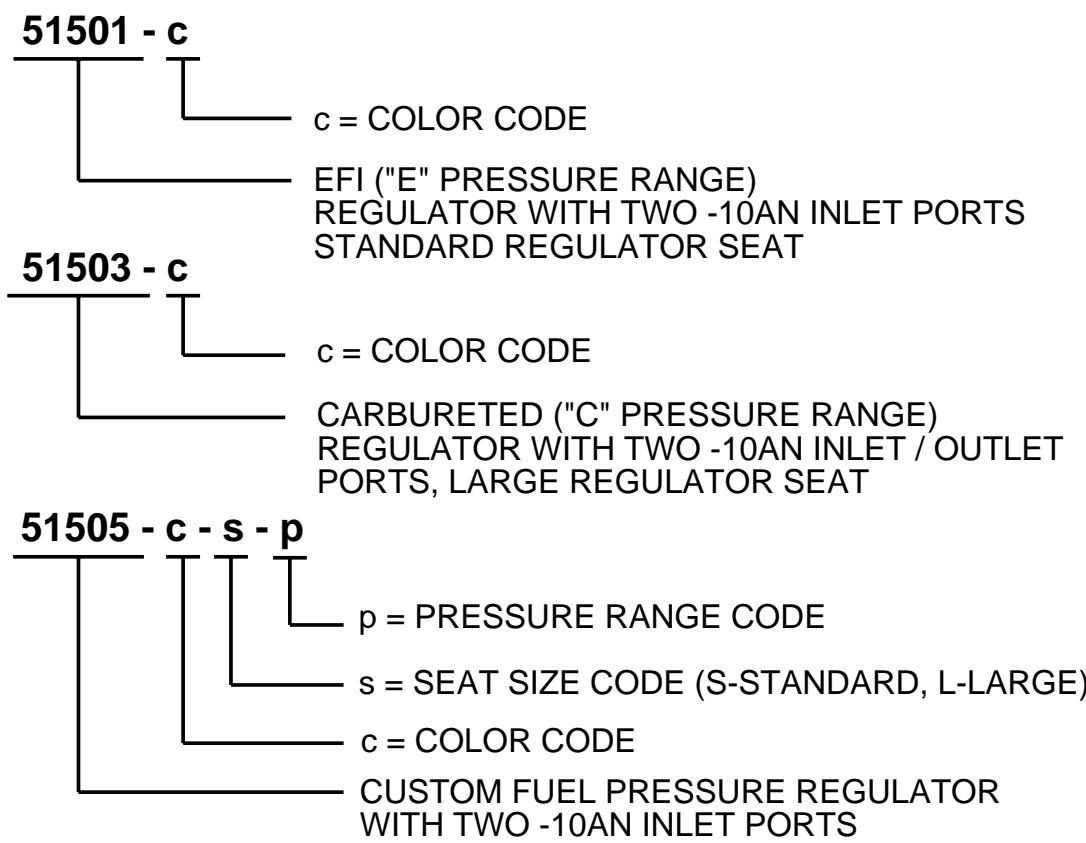
5. BRACKET, PRESSURE ADJUSTMENT HARDWARE, BRACKET MOUNTING HARDWARE, GAUGE PORT PLUG, BARBED FITTING, 3X PORT O-RINGS AND INSTRUCTIONS INCLUDED, BAGGED SEPARATELY FROM REGULATOR.

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:

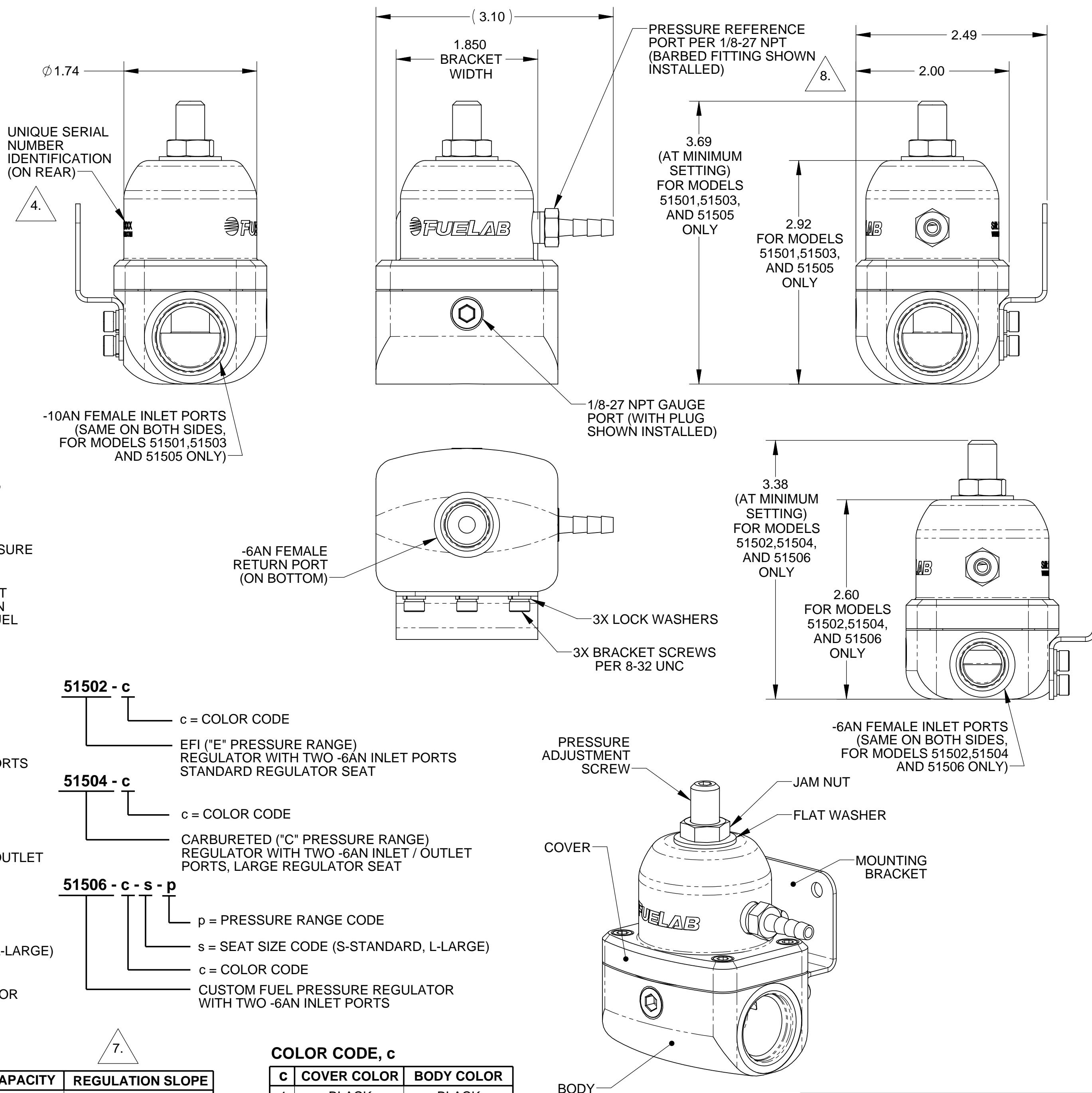


PRESSURE RANGE CODE WITH SEAT SIZE, p - s

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



ISOMETRIC VIEW (ALL VIEWS SHOWN WITH HARDWARE INSTALLED)

UNLESS OTHERWISE SPECIFIED:
 INTERPRET DWG PER ANSI Y14.5
 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL: ±1/64"
 ANGULAR: ±1/2°
 DECIMALS:
 X=1 .XX±.03 .XXX±.010
 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, 515xx SERIES

SIZE	DWG. NO.	REV
C	105020100	

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