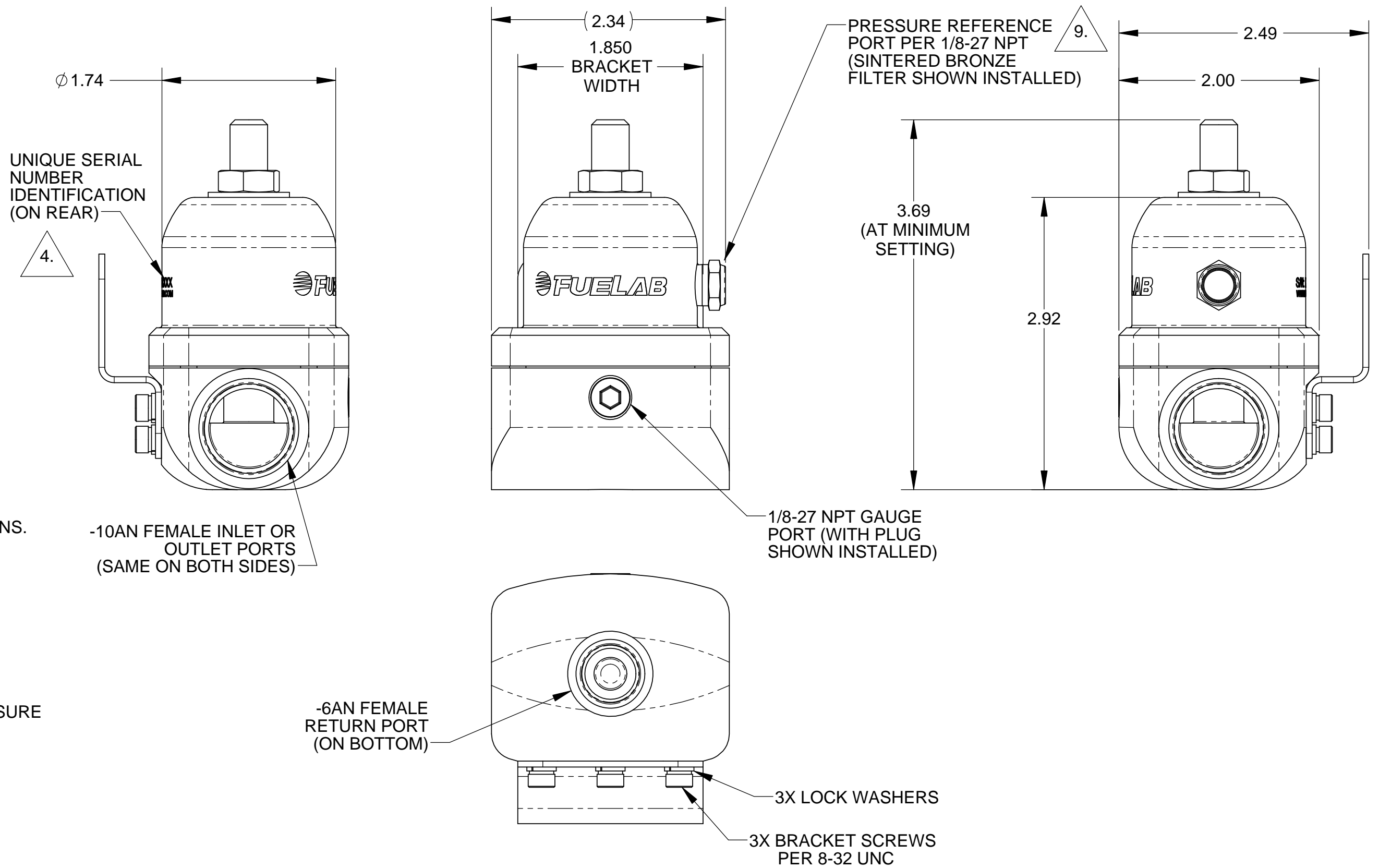


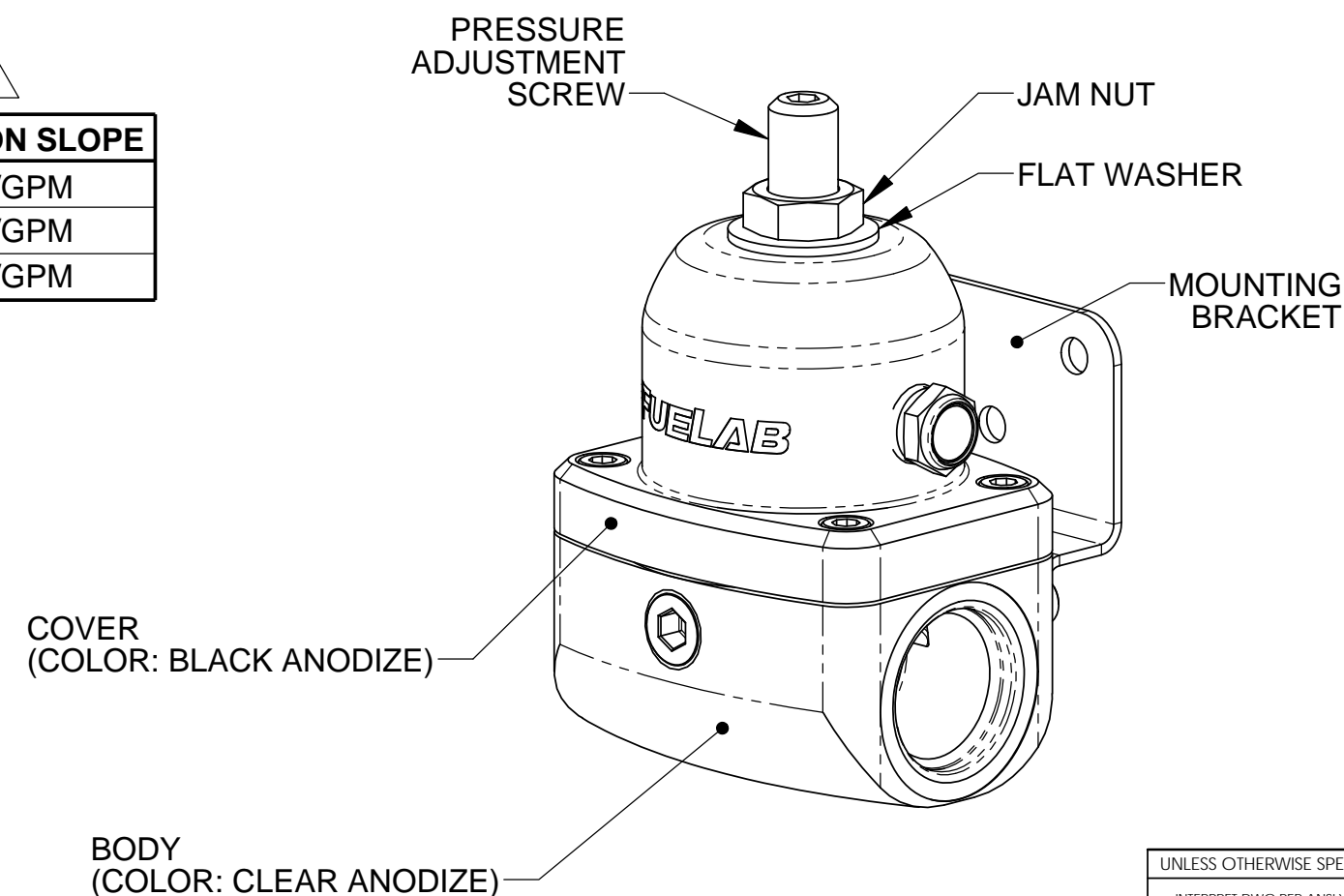
NOTES:

1. THIS DRAWING DESCRIBES THE FUELAB 501xx SERIES FUEL PRESSURE REGULATOR.
2. FEATURES INCLUDE:
 - TWO -10AN INLET PORTS (ON EITHER SIDE OF REGULATOR)
 - ONE -6AN RETURN PORT (ON BOTTOM OF REGULATOR)
 - AVAILABLE IN PRESSURE RANGES (SEE TABLE)
 - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE DIAPHRAGM AND SEALS. PLUG AND FITTING ARE MADE OF UNPLATED BRASS OR BROZE.
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, FILTER FITTING, 3X PORT O-RINGS AND INSTRUCTIONS INCLUDED, BAGGED SEPARATELY FROM REGULATOR.
6. REFERENCE DRAWING 1052201A1 FOR ASSEMBLY INSTRUCTIONS.
7. SEE TABLE 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. CHANGES IN AIR PRESSURE AT THIS PORT WILL RESULT IN A CHANGE IN FUEL PRESSURE AT A RATIO OF 1:1. SINTERED BRONZE FILTER IS INCLUDED. DO NOT PLUG PORT.



MODEL SPECIFICATION TABLE:

MODEL	APPROX. PRESSURE RANGE	SEAT SIZE	APPROX. FLOW CAPACITY	REGULATION SLOPE
50101	4-12 PSID (0.28 - 0.82 BAR)	LARGE	3.3 GPM (750 LPH)	0.5 PSI/GPM
50102	10-25 PSID (0.7 - 1.7 BAR)	LARGE	5.0 GPM (1100 LPH)	0.9 PSI/GPM
50103	25-90 PSID (1.7 - 6.2 BAR)	STANDARD	2.5 GPM (570 LPH)	3.0 PSI/GPM



**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±0.03 .XXX±0.010
 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,
 501xx SERIES**

SIZE	DWG. NO.	REV
C	105220100	A

SCALE: 1/1 WEIGHT: .84 LB SHEET: 1 OF 1