

NOTES:

1.

THIS DRAWING DESCRIBES THE FUELAB 414xx SERIES ELECTRONIC FUEL PUMP. UNLESS OTHERWISE SPECIFIED, ALL VIEWS ARE MODELS 41401-c, 41402-c OR 41403-c.
2.

FEATURES INCLUDE:
  - THREE PHASE DC BRUSHLESS MOTOR WITH NEODYMIUM MAGNETS
  - INTEGRATED ELECTRONICS WITH SPEED CONTROL
  - WET MOTOR DESIGN, WITHOUT DYNAMIC SHAFT SEALS
  - BILLET ALUMINUM, STAINLESS STEEL CONSTRUCTION WITH FLUOROSILICONE SEALS
  - STANDARD T-BOLT STAINLESS STEEL BRACKETS INCLUDED
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.

TWO (2) T-BOLT STAINLESS STEEL BRACKETS, O-RINGS, INSTRUCTIONS AND PERFORMANCE CERTIFICATION INCLUDED, BAGGED SERPARATELY FROM PUMP.
6.

8-18 VOLT OPERATING RANGE, USE ONLY 12 VOLT (6 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITH OR WITHOUT CHARGING SYSTEM, OR 16 VOLT (8 CELL LEAD ACID BATTERY) VEHICLE SYSTEMS WITHOUT CHARGING SYSTEM.
7.

MODEL 41404-c SAME AS 41403-c, EXCEPT HAVING EXTERNAL BYPASS VALVE WITHIN OUTLET CAP. MAXIMUM PRESSURE RATING FOR MODEL 41404-c IS A DEAD HEAD CONDITION (ZERO FLOW). ALL OTHER PUMP MODELS REQUIRE BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION.
8.

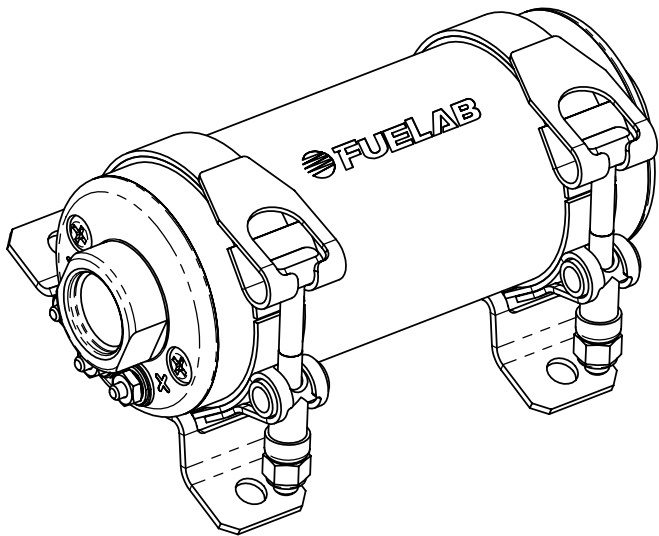
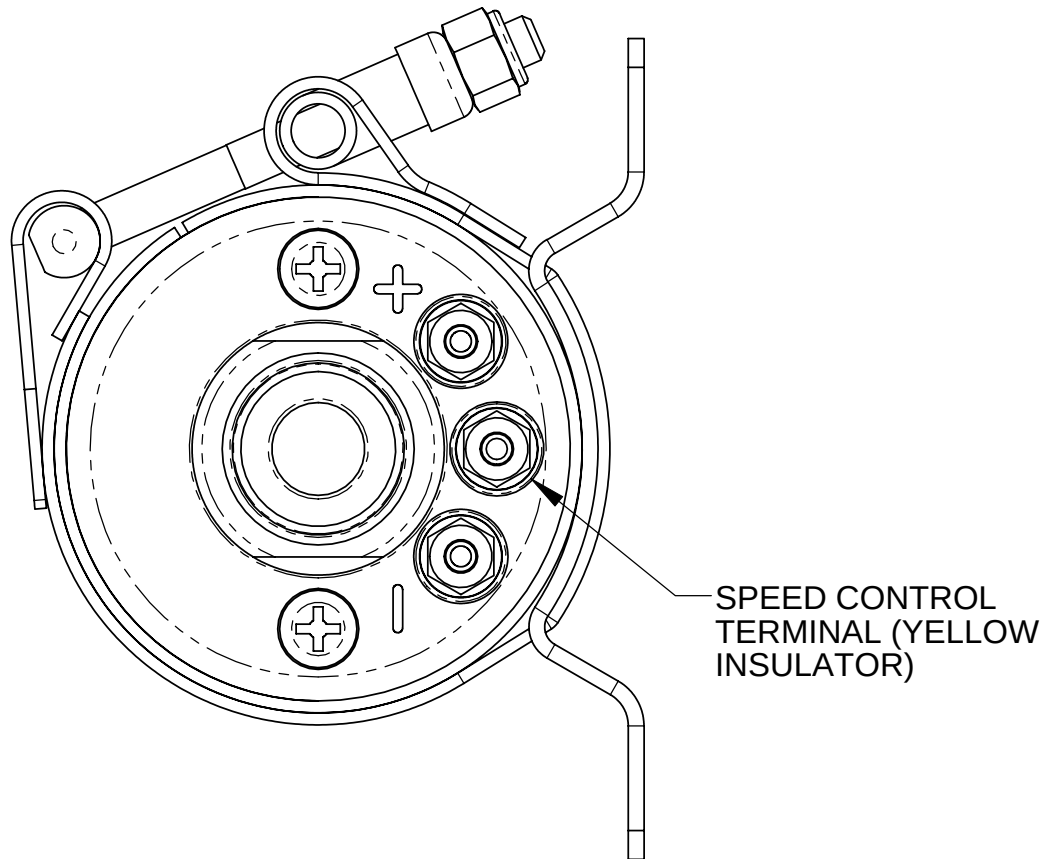
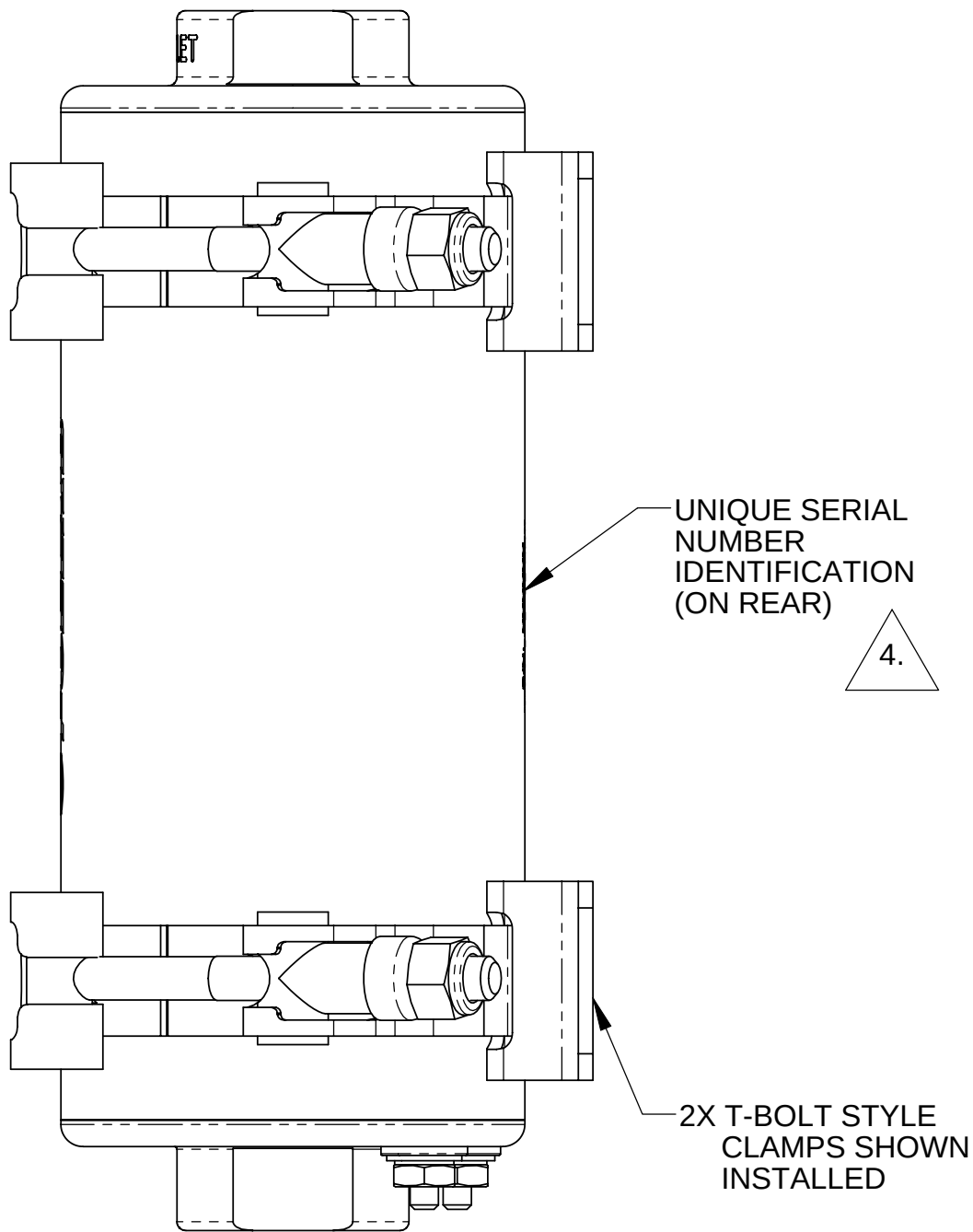
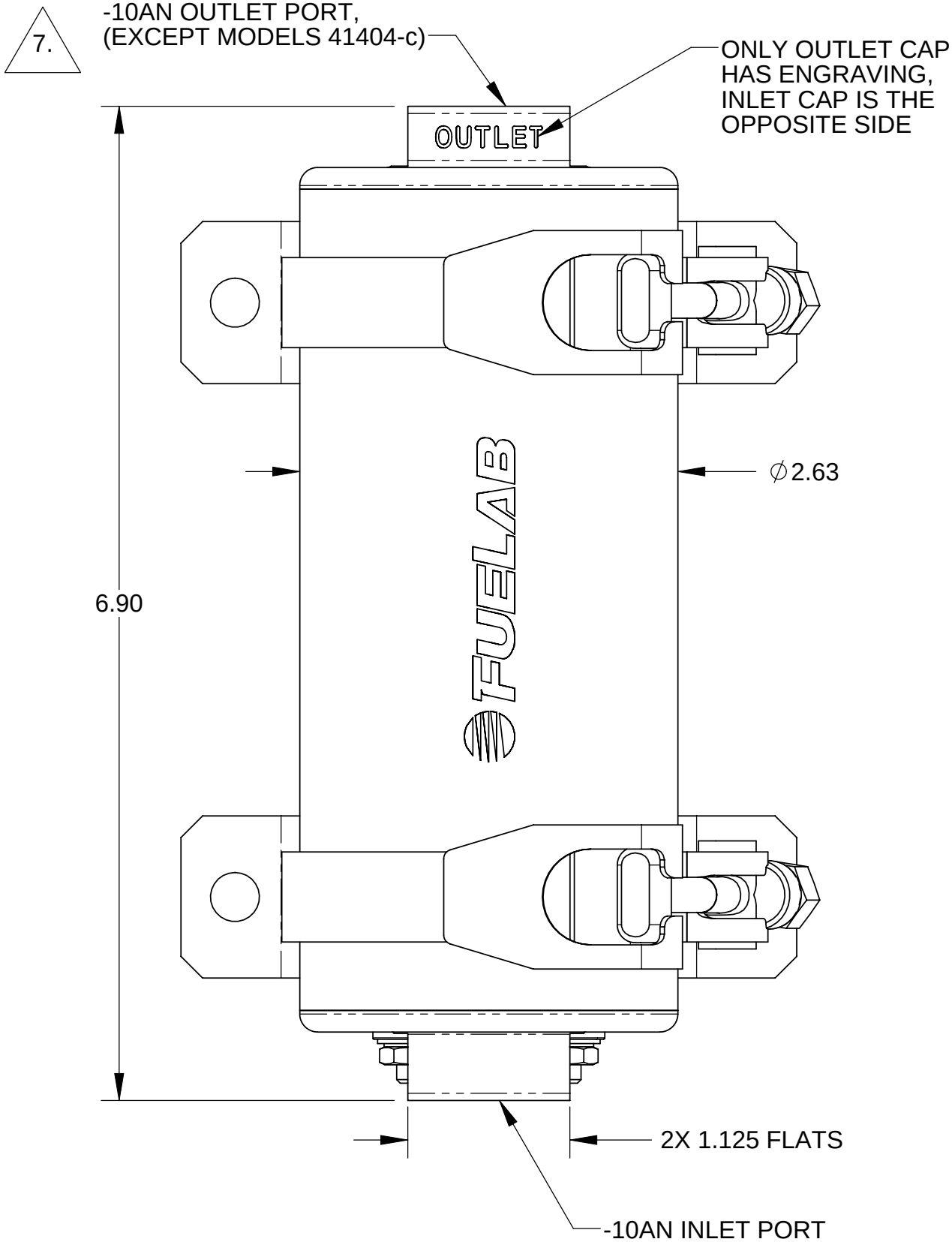
SEE TABLES BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER

MODEL SELECTION TABLE

| MODEL   | FLOW RATING, AT 13.5v | FLOW RATING, AT 13.5v | MAX. PRESSURE     |
|---------|-----------------------|-----------------------|-------------------|
| 41401-c | 105 GPH AT 45 PSI     | 400 LPH AT 3 BAR      | 125 PSI (8.5 BAR) |
| 41402-c | 140 GPH AT 45 PSI     | 530 LPH AT 3 BAR      | 100 PSI (6.8 BAR) |
| 41403-c | 200 GPH AT 20 PSI     | 750 LPH AT 1.5 BAR    | 80 PSI (5.5 BAR)  |
| 41404-c | 200 GPH AT 20 PSI     | 750 LPH AT 1.5 BAR    | 30 PSI (2.1 BAR)  |

COLOR CODE, c

| c | SLEEVE COLOR | CAPS COLOR |
|---|--------------|------------|
| 1 | BLACK        | BLACK      |
| 2 | RED          | CLEAR      |
| 3 | BLUE         | CLEAR      |
| 4 | PURPLE       | CLEAR      |
| 5 | GOLD         | BLACK      |
| 6 | GREEN        | CLEAR      |



ISOMETRIC VIEW  
SCALE: 1/2

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:  
**ELECTRONIC FUEL PUMP,  
414xx SERIES**

SIZE **C** DWG. NO. **110020100** REV  
SCALE: 1/1 WEIGHT: SHEET: 1 OF 2

