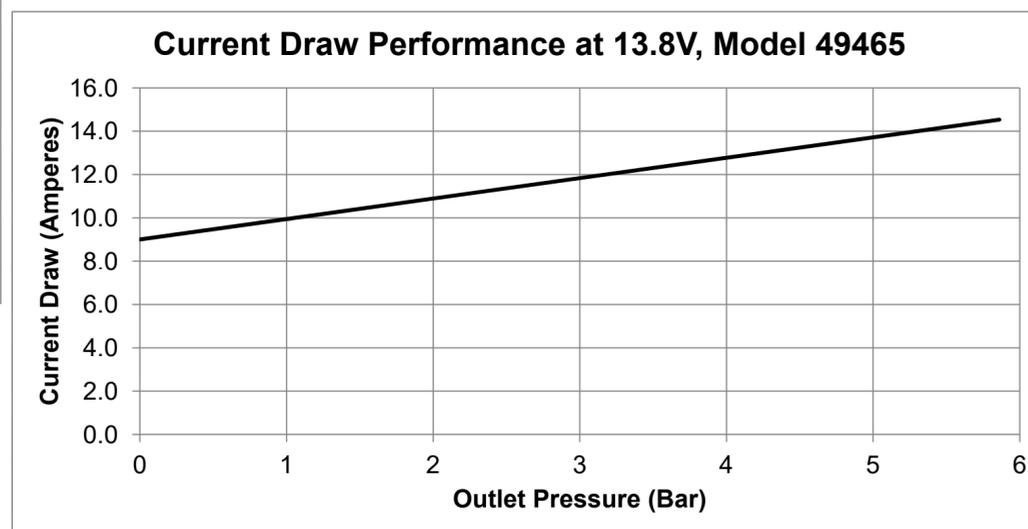
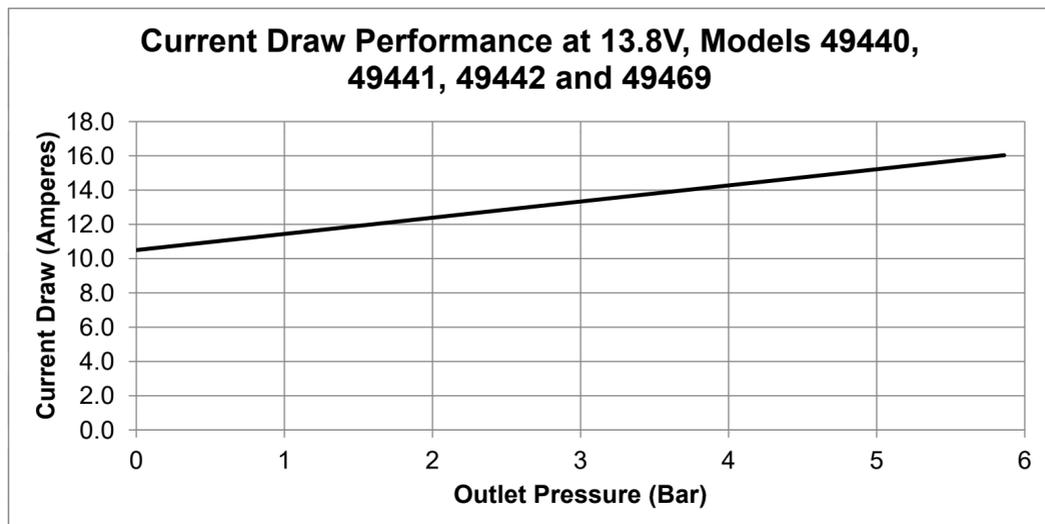
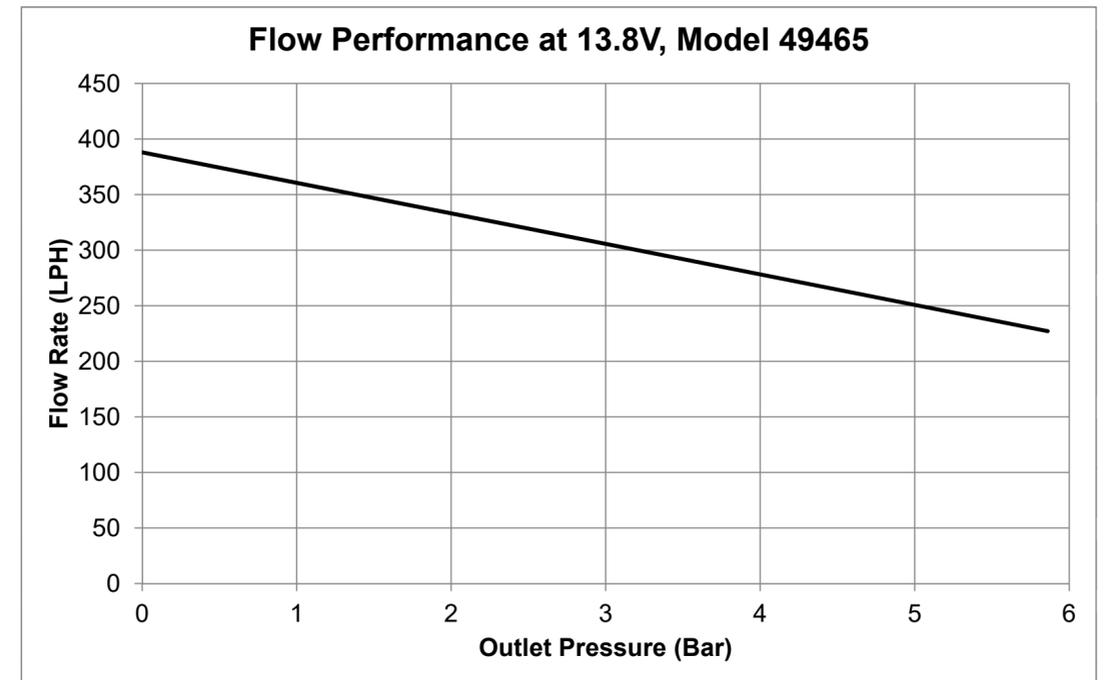
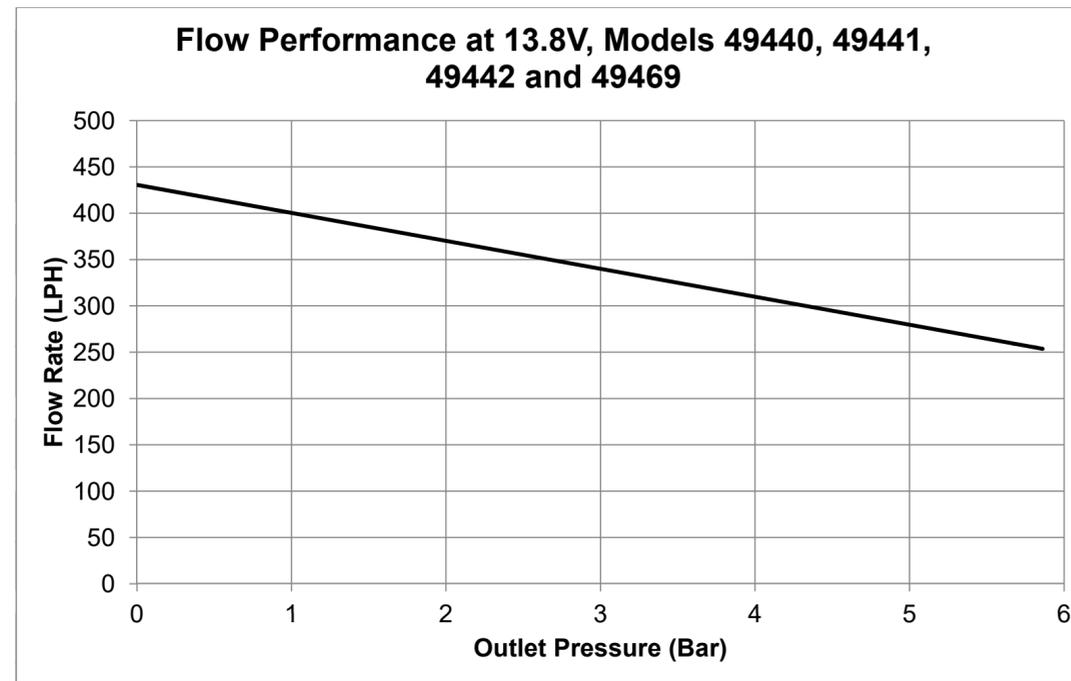


**NOTES:**

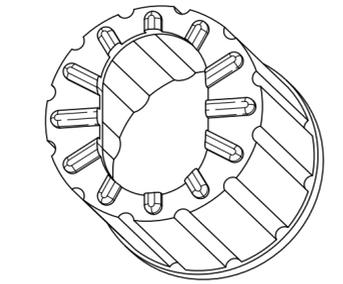
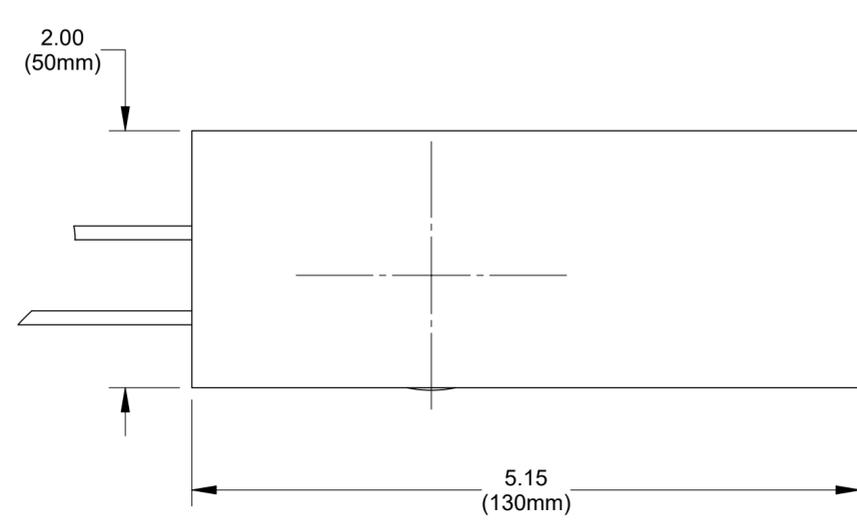
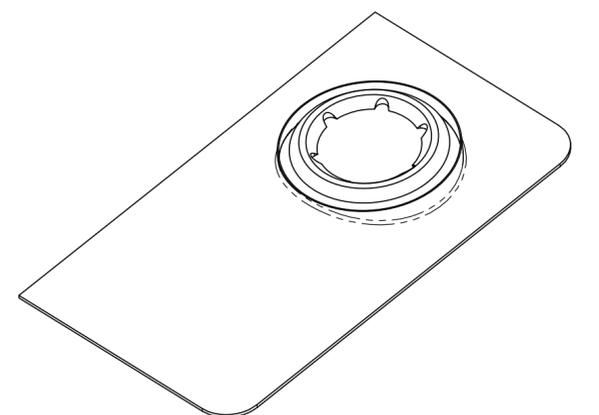
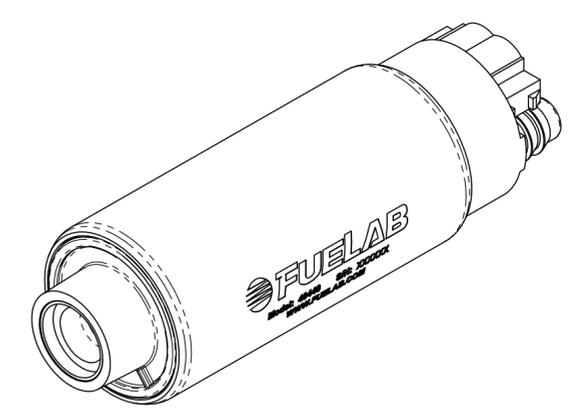
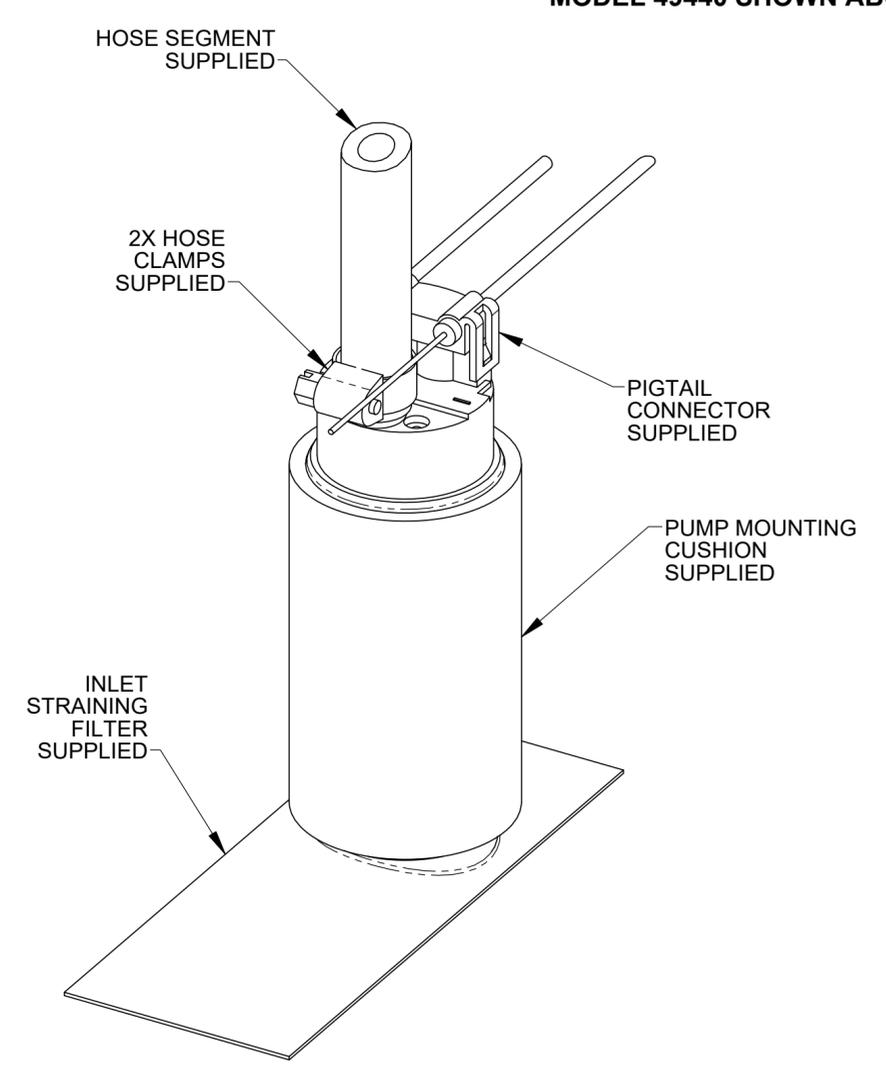
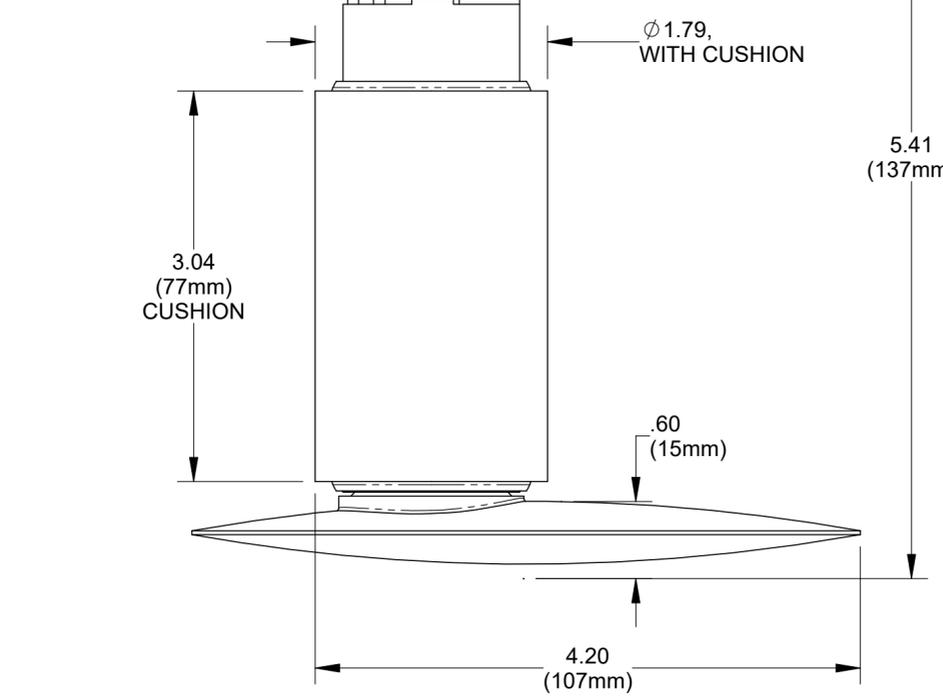
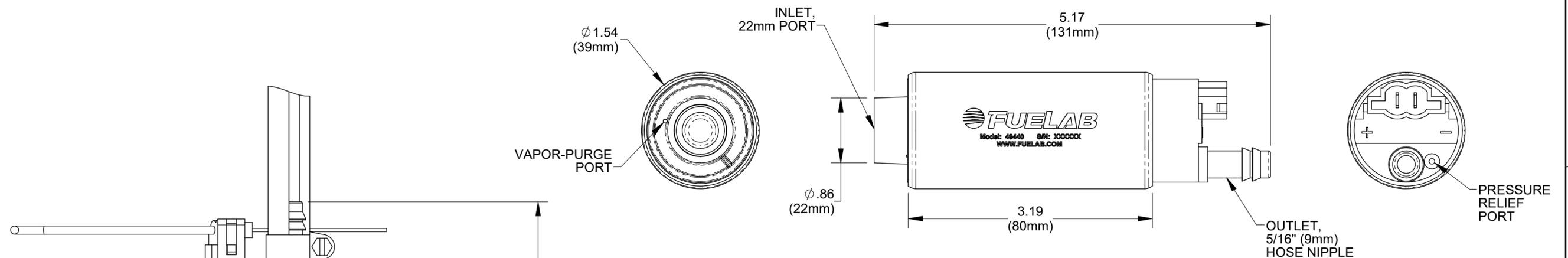
1. THIS DRAWING DESCRIBES THE FUELAB 494xx SERIES IN-TANK ELECTRIC FUEL PUMP.
2. FEATURES INCLUDE:
  - IN-TANK OEM STYLE MOUNTING
  - REGENERATIVE TURBINE PUMPING MECHANISM
  - CARBON-CARBON COMMUTATOR FOR E85 COMPATIBILITY
  - INTERNAL CHECK VALVE AND SAFTEY RELIEF VALVE
  - PACKAGED AS KIT, INCLUDING STRAINING FILTERS, OUTLET HOSE AND CLAMPS, MOUNTING CUSHION AND PIGTAIL CONNECTOR.
3. FUEL COMPATIBILITY INCLUDES:
  - GASOLINE (PUMP OR RACE)
  - ETHANOL (INCLUDING E85)
  - SPECIAL NOTE: NOT COMPATIBLE WITH METHANOL AND DIESEL FUELS
4. UNIQUE SERIAL NUMBER WITH MODEL NUMBER IDENTIFICATION
5. TWO DIFFERENT STRAINING FILTERS, MOUNTING CUSHION, HOSE SEGMENT, TWO HOSE CLAMPS, MATING PIGTAIL ELECTRICAL CONNECTOR, 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.
7. ALL MODEL 494xx SERIES PUMPS REQUIRE BYPASS REGULATOR OR RELIEF VALVE TO AVOID OVER-PRESSURE OPERATING CONDITION (UNLESS BEING USED WITH ELECTRONIC PWM PRESSURE CONTROL).
8. SEE TABLE BELOW FOR DETERMINATION OF DESIRED MODEL NUMBER.

**MODEL SELECTION TABLE**

MODEL	INLET PORT SIZE	FLOW RATING, AT 13.5v	MAX. PRESSURE
49440	22mm	90 GPH AT 45 PSI (340 LPH AT 3.0 BAR)	85 PSI (5.9 BAR)
49441	11mm	90 GPH AT 45 PSI (340 LPH AT 3.0 BAR)	85 PSI (5.9 BAR)
49442	11mm	90 GPH AT 45 PSI (340 LPH AT 3.0 BAR)	85 PSI (5.9 BAR)
49465	11mm	80 GPH AT 45 PSI (300 LPH AT 3.0 BAR)	85 PSI (5.9 BAR)
49469	19mm	90 GPH AT 45 PSI (340 LPH AT 3.0 BAR)	85 PSI (5.9 BAR)

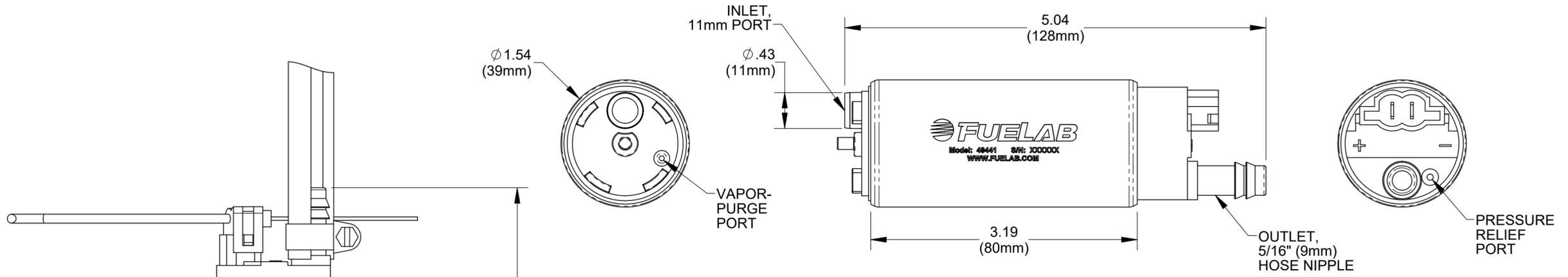


UNLESS OTHERWISE SPECIFIED: INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±0.03 .XXX±0.010 SURFACE FINISH: 128 OR BETTER BREAK ALL SHARP EDGES: 010 MAX REMOVE ALL BURRS		 COLLINSVILLE, ILLINOIS	
TITLE: <b>ELECTRIC FUEL PUMP, 494xx SERIES</b>			
SIZE <b>C</b>	DWG. NO. <b>112020100</b>	REV <b>A</b>	
SCALE: 1/1		WEIGHT:	SHEET: 1 OF 6

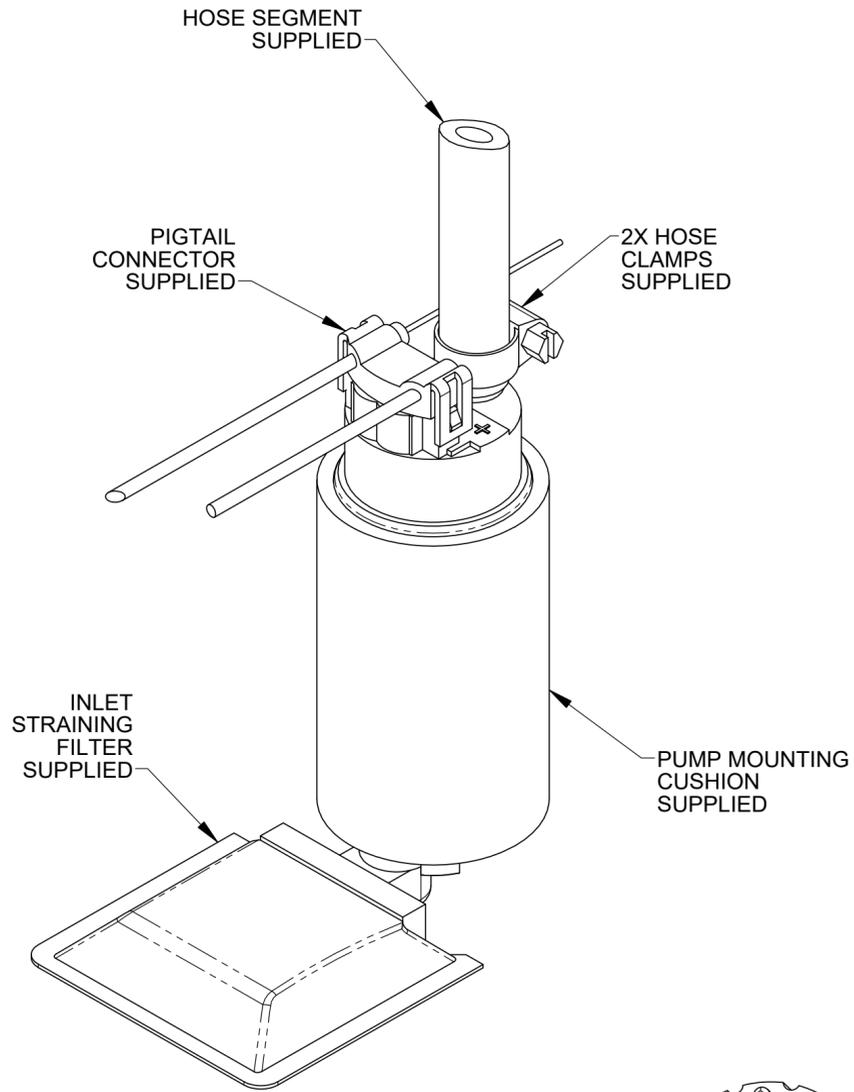
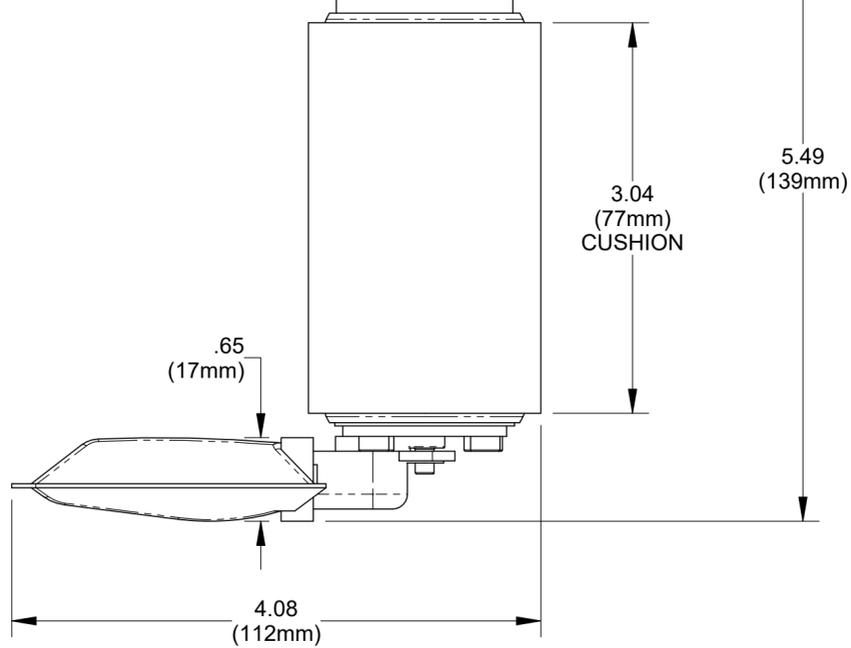


MODEL 49440 SHOWN ABOVE (WITH SUPPLIED ACCESSORIES)

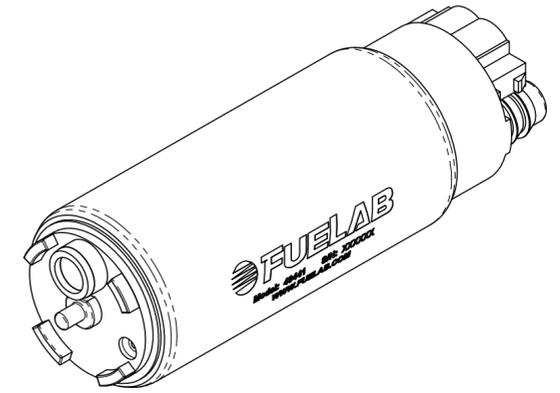
UNLESS OTHERWISE SPECIFIED:		<b>FUELAB</b> DIGITAL FUEL DELIVERY Collinsville, Illinois	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES			
TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±.03 .XXX±.010			
SURFACE FINISH: 128 OR BETTER			
BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS			
THIRD ANGLE PROJECTION	SIZE	DWG. NO.	REV
	<b>C</b>	<b>112020100</b>	<b>A</b>
DO NOT SCALE DRAWING	SCALE: 1/1	WEIGHT:	SHEET: 2 OF 6



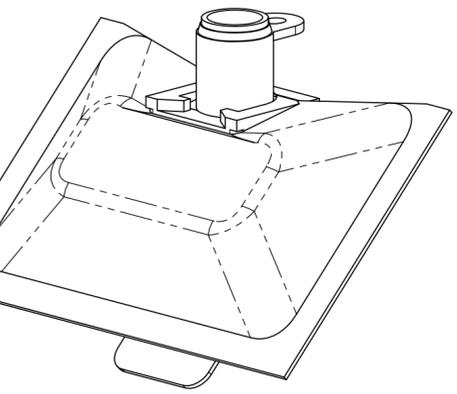
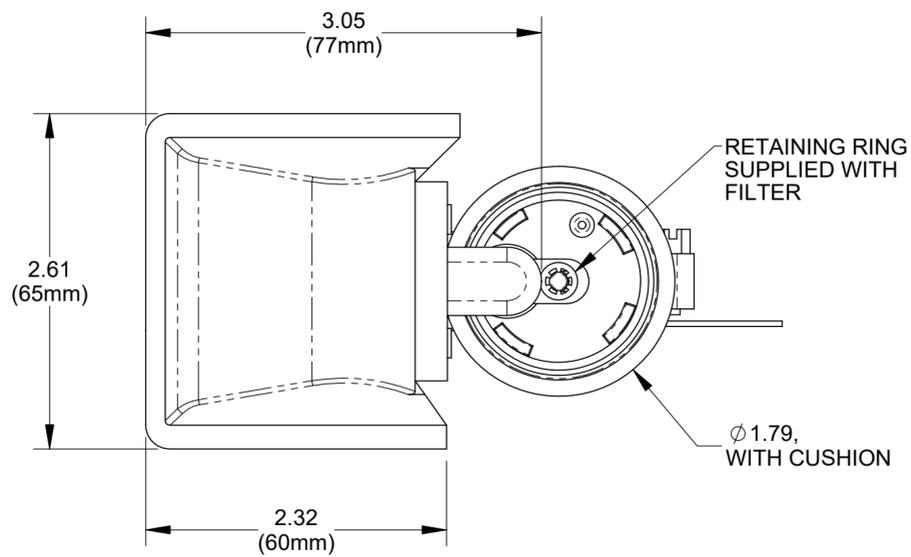
**MODEL 49441 SHOWN ABOVE**



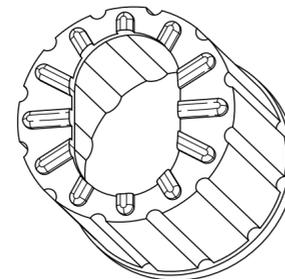
**ISOMETRIC VIEW**



**ISOMETRIC VIEW  
MODEL 49441**



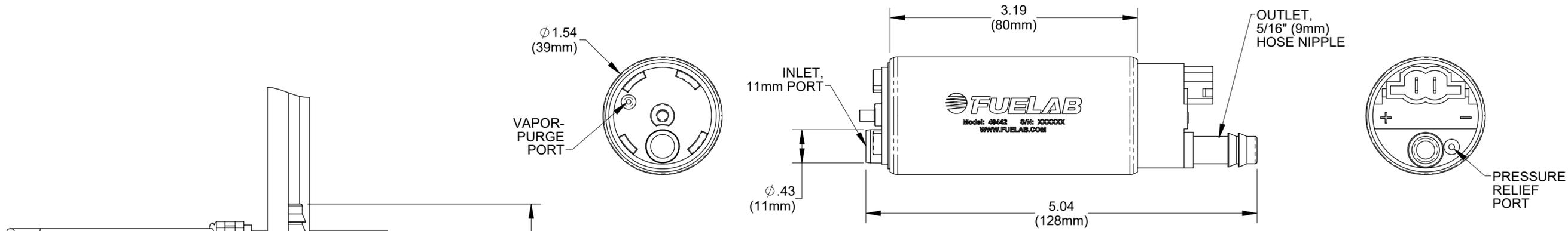
**ISOMETRIC VIEW  
ALTERNATE STRAINING FILTER  
(92x62mm) ALSO SUPPLIED**



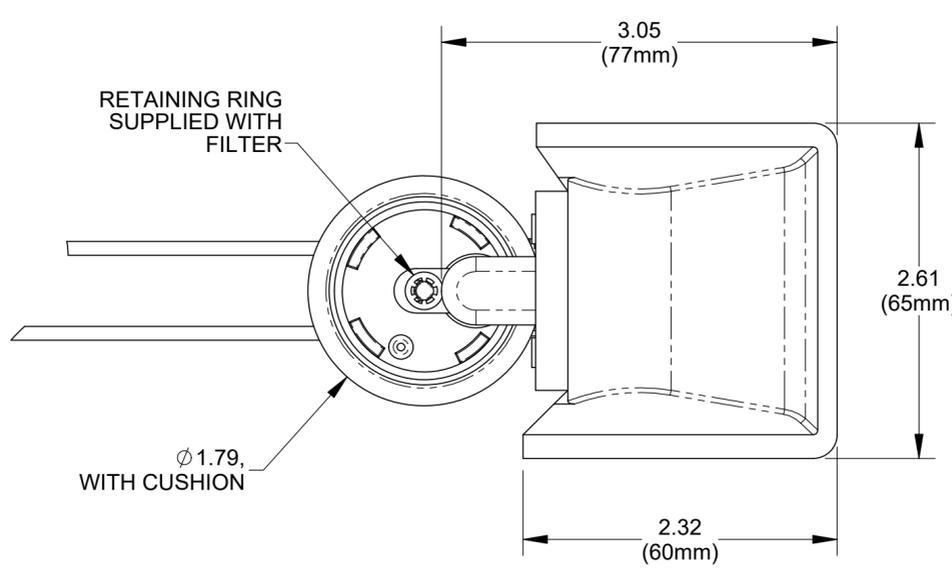
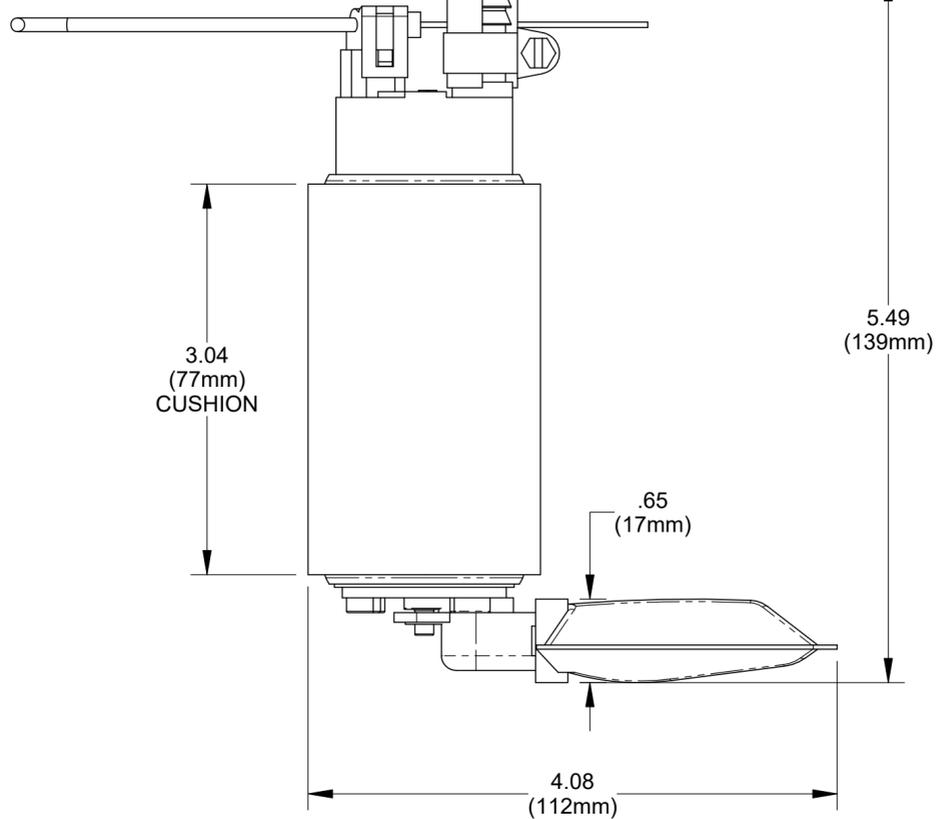
**OPTIONAL SLEEVE CUSHION  
AL;SO SUPPLIED**

**MODEL 49441 SHOWN ABOVE  
(WITH SUPPLIED ACCESORIES)**

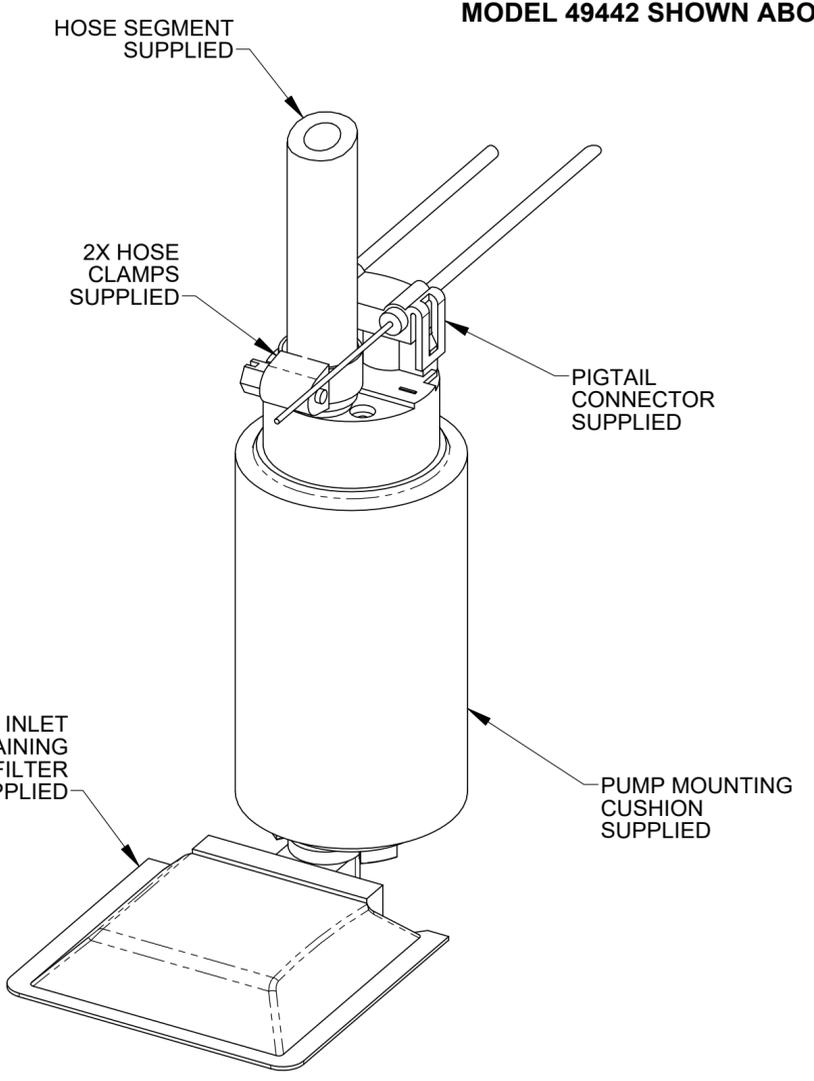
UNLESS OTHERWISE SPECIFIED:		<b>FUELAB</b> DIGITAL FUEL DELIVERY Collinsville, Illinois	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES			
TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ± 1/2° DECIMALS: X±.1 .XX±.03 .XXX±.010			
SURFACE FINISH: 128 ✓ OR BETTER			
BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS			
THIRD ANGLE PROJECTION	SCALE: 1/1	DWG. NO. <b>112020100</b>	REV <b>A</b>
DO NOT SCALE DRAWING	WEIGHT:	SHEET: 3 OF 6	



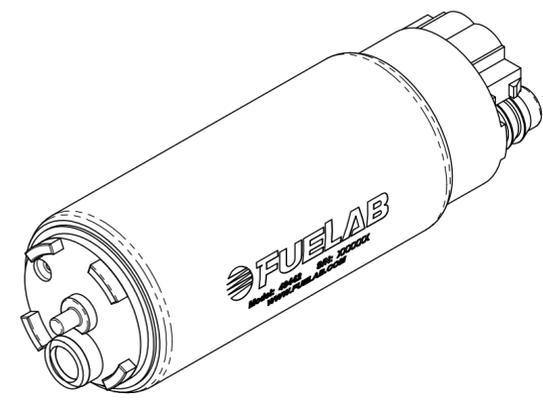
MODEL 49442 SHOWN ABOVE



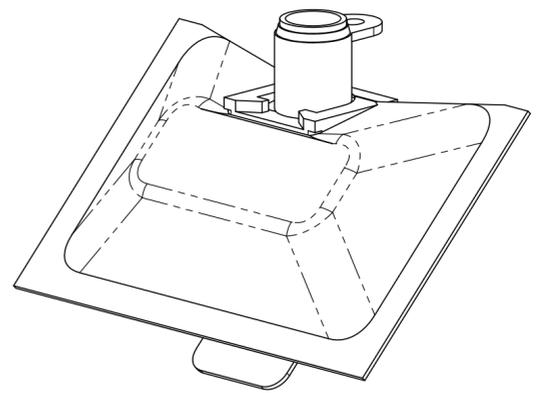
MODEL 49442 SHOWN ABOVE (WITH SUPPLIED ACCESORIES)



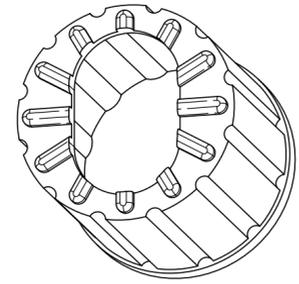
ISOMETRIC VIEW



ISOMETRIC VIEW MODEL 49442



ISOMETRIC VIEW ALTERNATE STRAINING FILTER (92x62mm) ALSO SUPPLIED

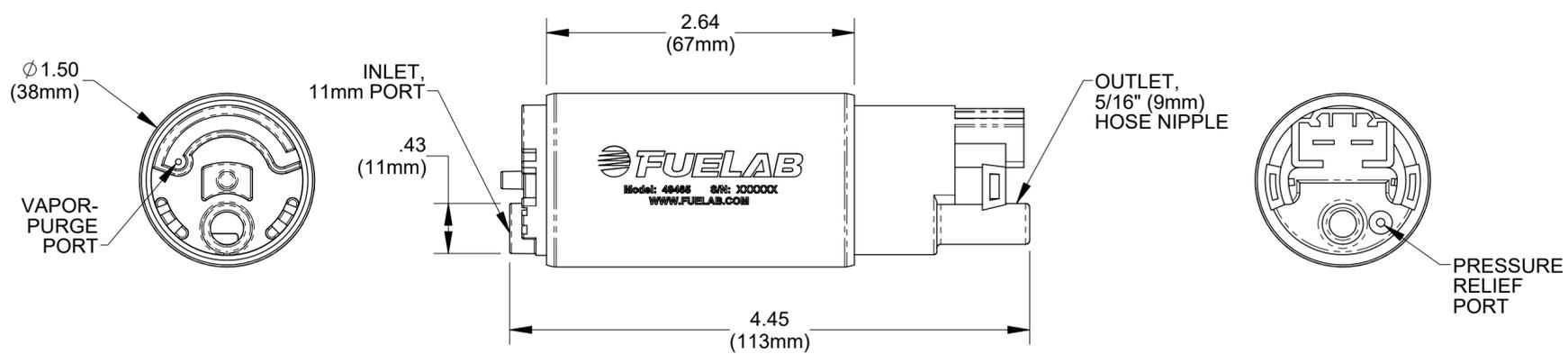


OPTIONAL SLEEVE CUSHION AL;SO SUPPLIED

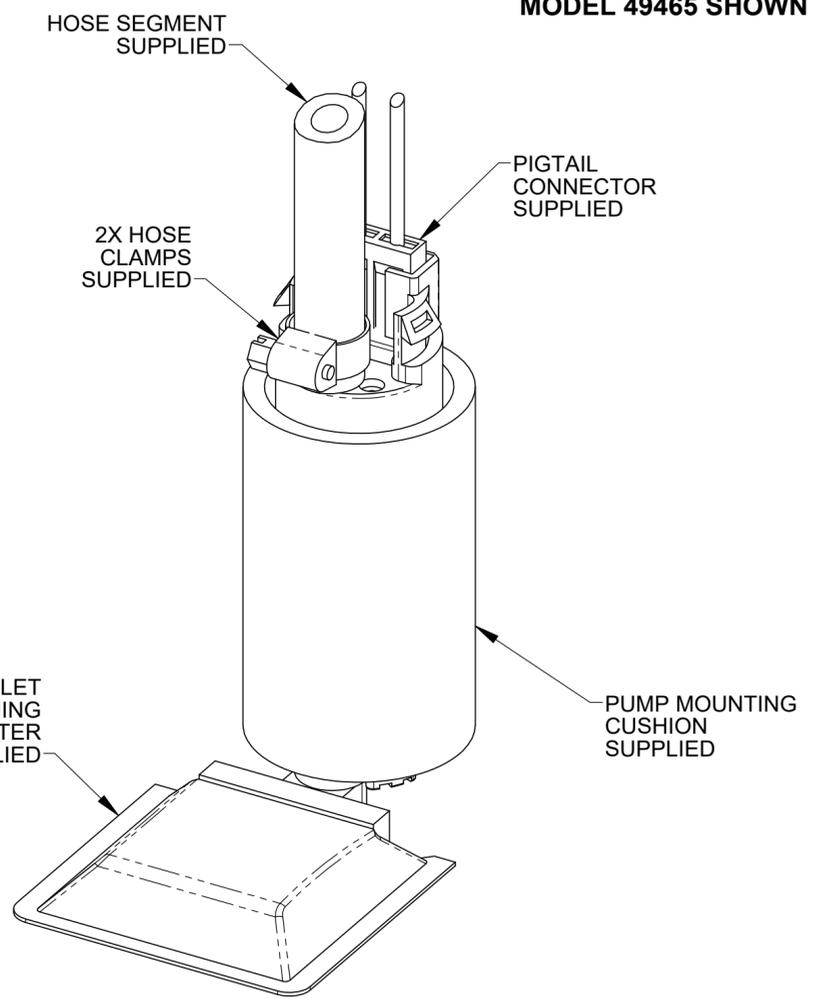
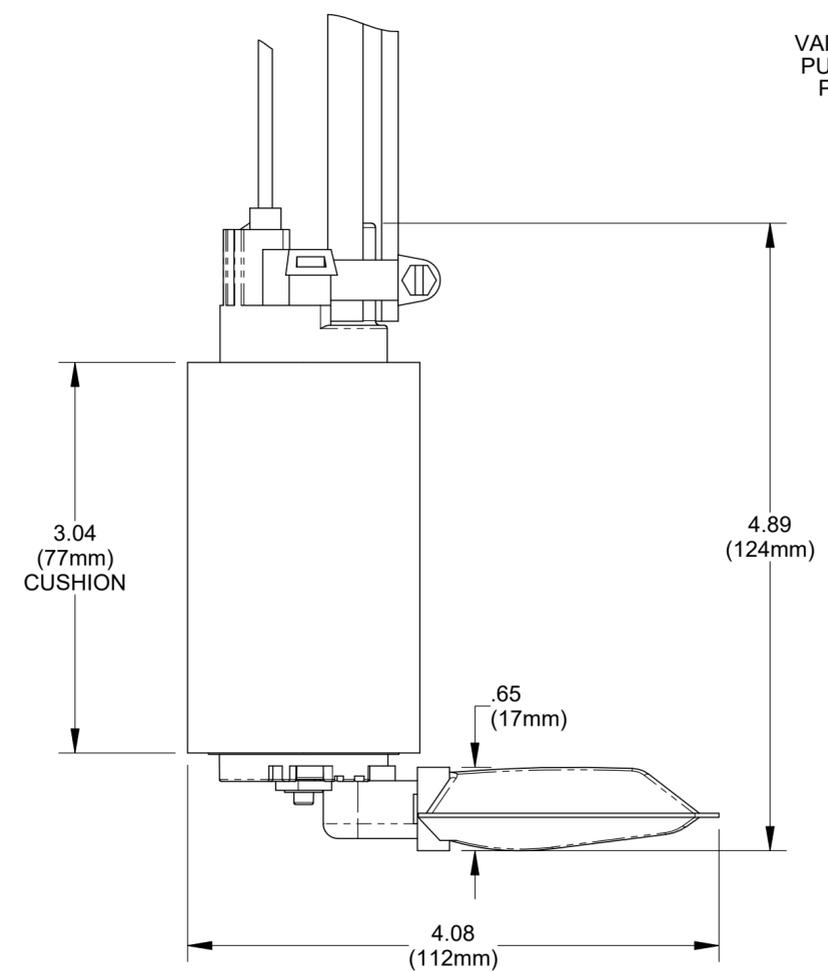
UNLESS OTHERWISE SPECIFIED:		COLLINSVILLE, ILLINOIS	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±.03 .XXX±.010 SURFACE FINISH: 128 OR BETTER BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS			
TITLE:		ELECTRIC FUEL PUMP, 494xx SERIES	
SIZE	DWG. NO.	REV	
C	112020100	A	
SCALE: 1/1	WEIGHT:	SHEET: 4 OF 6	

8 7 6 5 4 3 2 1

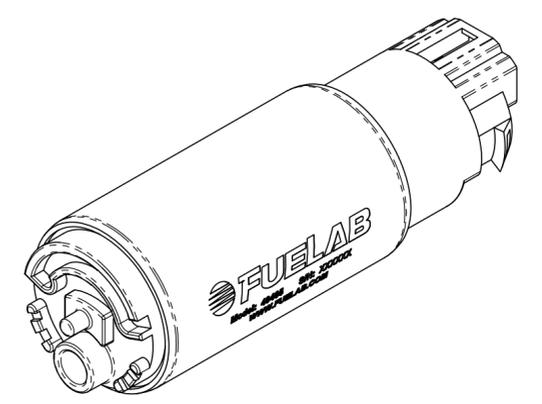
F E D C B A



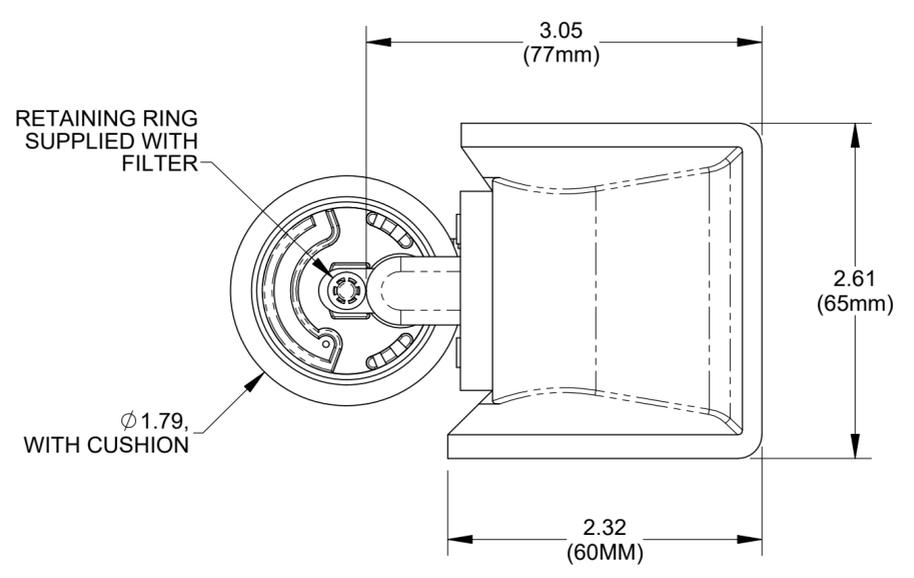
MODEL 49465 SHOWN ABOVE



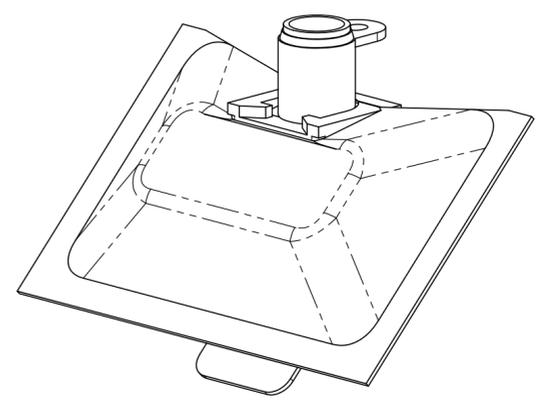
ISOMETRIC VIEW



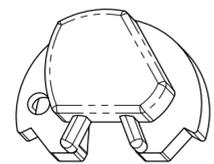
ISOMETRIC VIEW MODEL 49465



MODEL 49465 SHOWN ABOVE (WITH SUPPLIED ACCESSORIES)



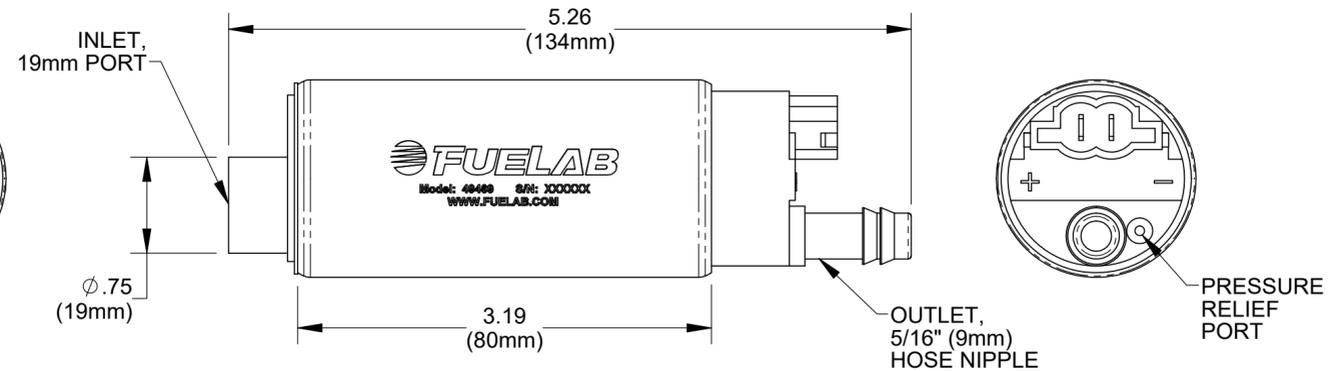
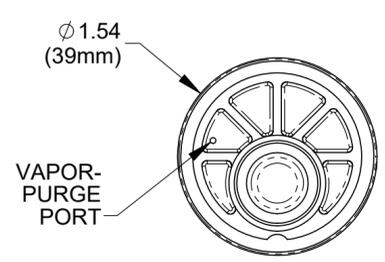
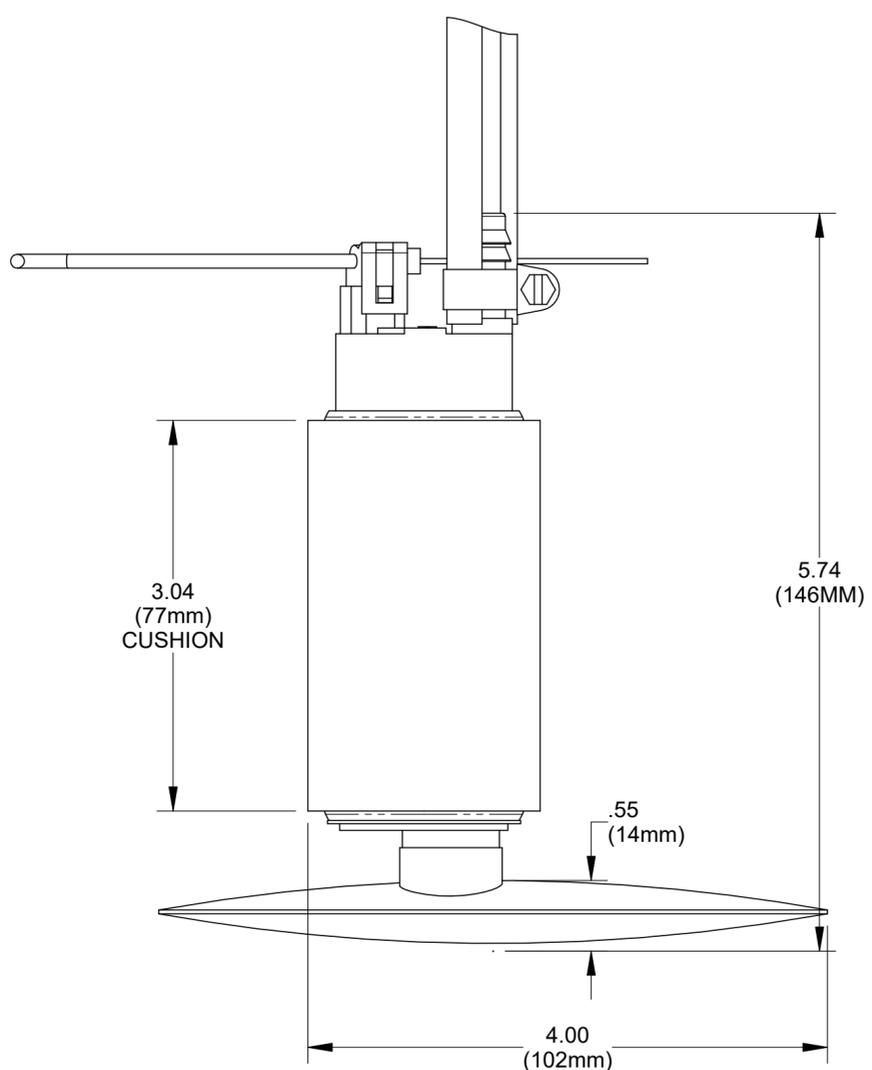
ISOMETRIC VIEW ALTERNATE STRAINING FILTER (92x62mm) ALSO SUPPLIED



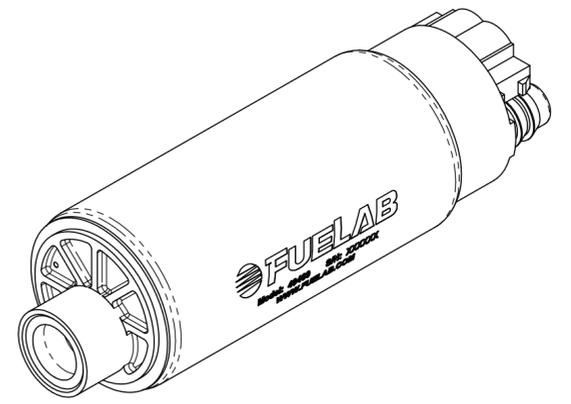
OPTIONAL INLET CUSHION

UNLESS OTHERWISE SPECIFIED:		<b>FUELAB</b> DIGITAL FUEL DELIVERY Collinsville, Illinois	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES		TITLE: <b>ELECTRIC FUEL PUMP, 494xx SERIES</b>	
TOLERANCES: FRACTIONAL: $\pm 1/64"$ ANGULAR: $\pm 1/2^\circ$ DECIMALS: X=1 .XX $\pm 0.03$ .XXX $\pm 0.010$ SURFACE FINISH: $\sqrt{128}$ OR BETTER		SIZE: <b>C</b>	DWG. NO.: <b>112020100</b>
BREAK ALL SHARP EDGES: 010 MAX REMOVE ALL BURRS		SCALE: 1/1	WEIGHT:
THIRD ANGLE PROJECTION		SHEET: 5 OF 6	REV: <b>A</b>
DO NOT SCALE DRAWING			

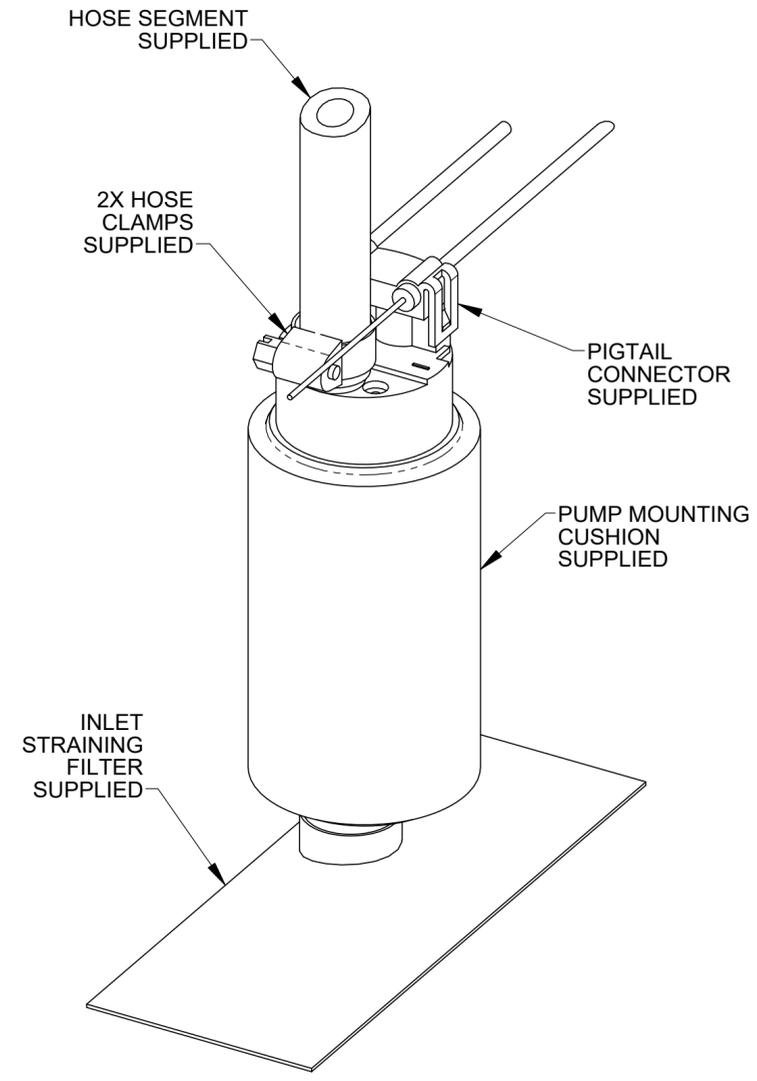
8 7 6 5 4 3 2 1



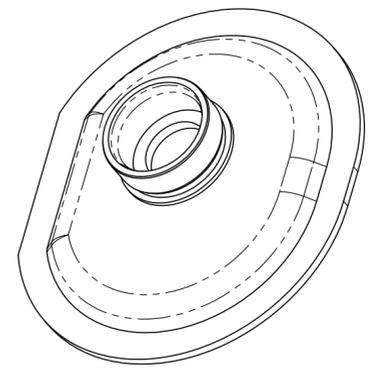
MODEL 49469 SHOWN ABOVE



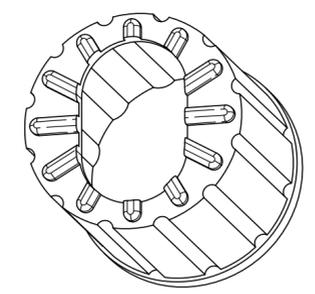
ISOMETRIC VIEW MODEL 49469



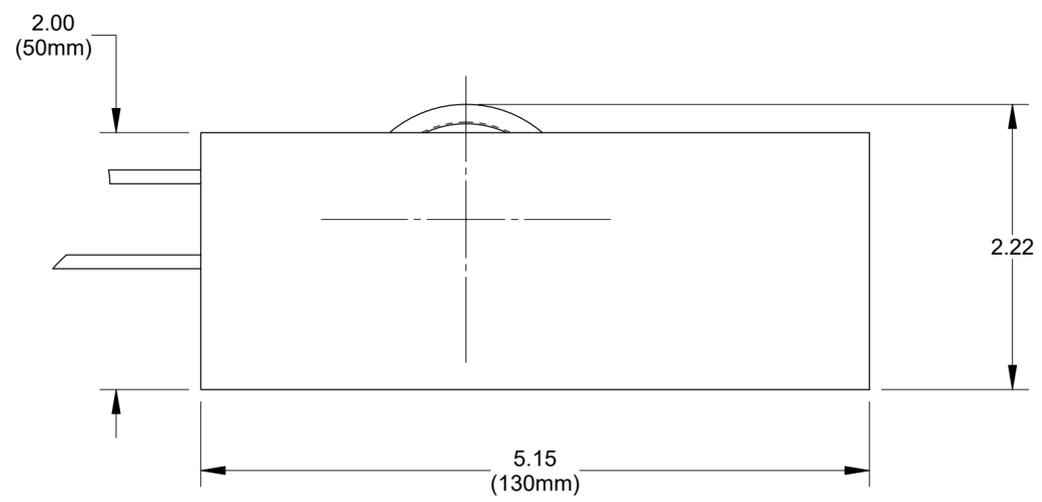
ISOMETRIC VIEW



ISOMETRIC VIEW ALTERNATE STRAINING FILTER (80x70mm) ALSO SUPPLIED



OPTIONAL SLEEVE CUSHION ALSO SUPPLIED



MODEL 49469 SHOWN ABOVE (WITH SUPPLIED ACCESORIES)

UNLESS OTHERWISE SPECIFIED:		<b>FUELAB</b> DIGITAL FUEL DELIVERY Collinsville, Illinois	
INTERPRET DWG PER ANSI Y14.5 DIMENSIONS ARE IN INCHES		TITLE: <b>ELECTRIC FUEL PUMP, 494xx SERIES</b>	
TOLERANCES: FRACTIONAL: ±1/64" ANGULAR: ±1/2° DECIMALS: X±1 .XX±.03 .XXX±.010		SIZE <b>C</b>	DWG. NO. <b>112020100</b>
SURFACE FINISH: 128 OR BETTER		REV <b>A</b>	SCALE: 1/1
BREAK ALL SHARP EDGES .010 MAX REMOVE ALL BURRS		WEIGHT:	SHEET: 6 OF 6
THIRD ANGLE PROJECTION			
DO NOT SCALE DRAWING			