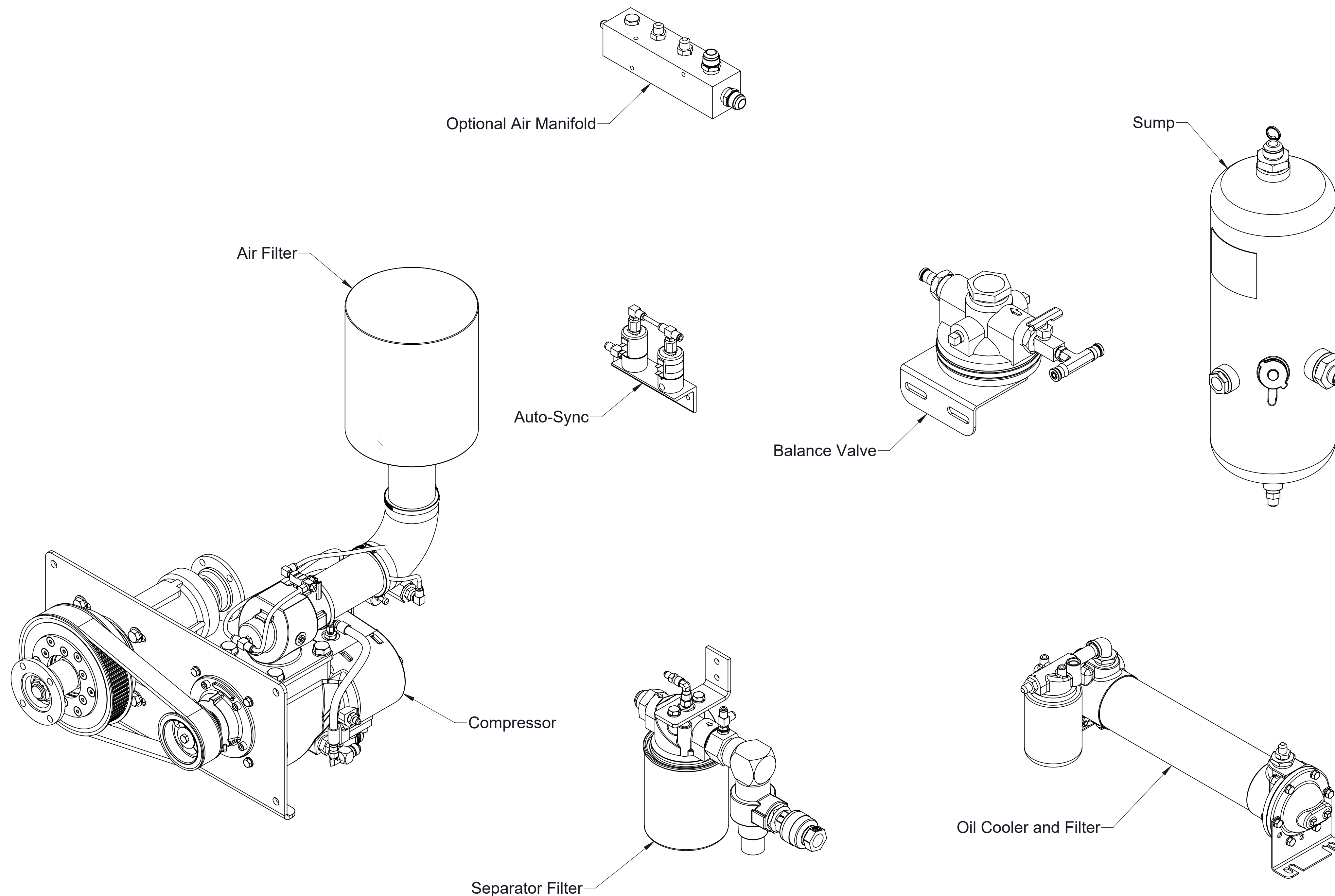
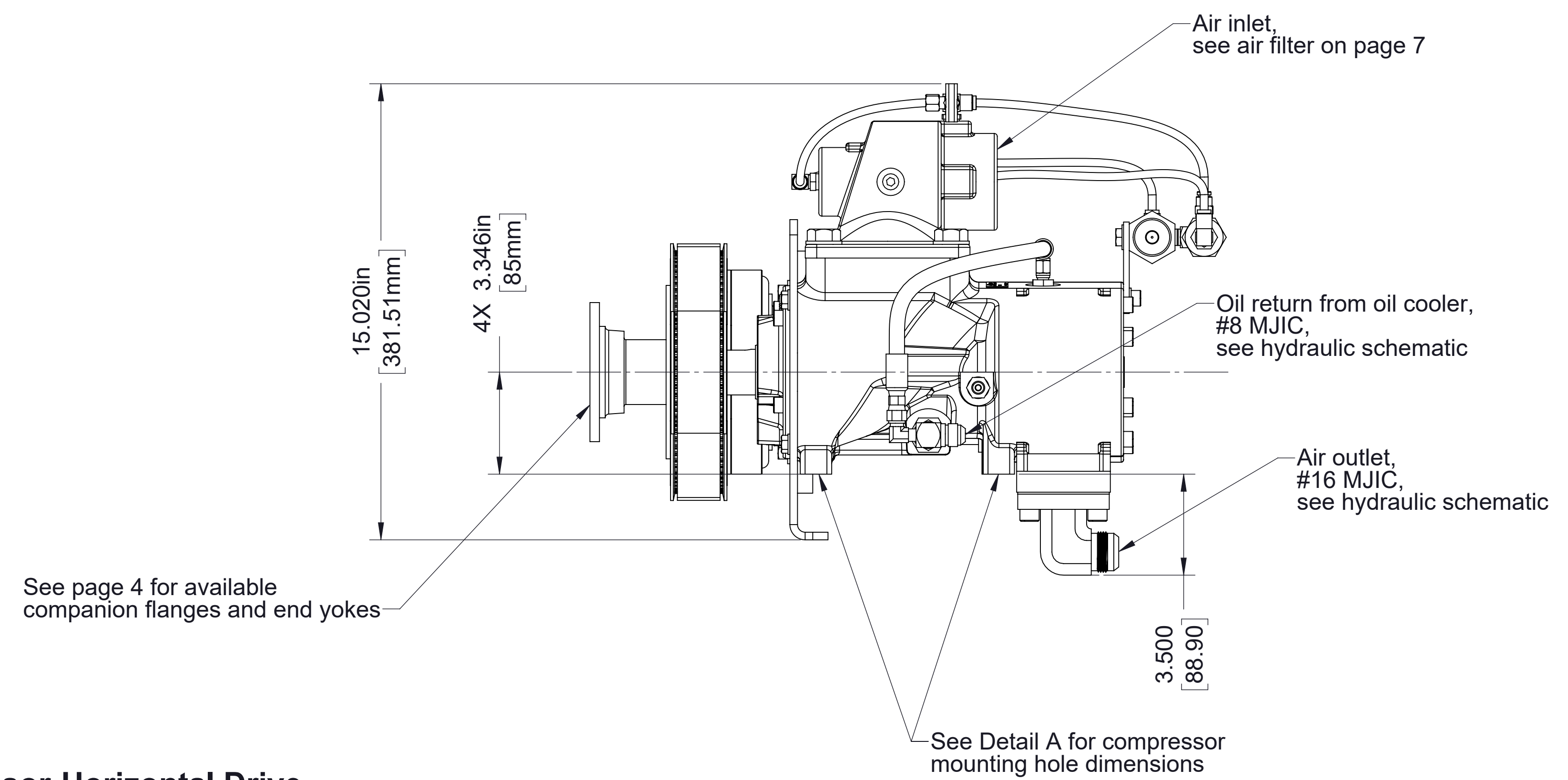
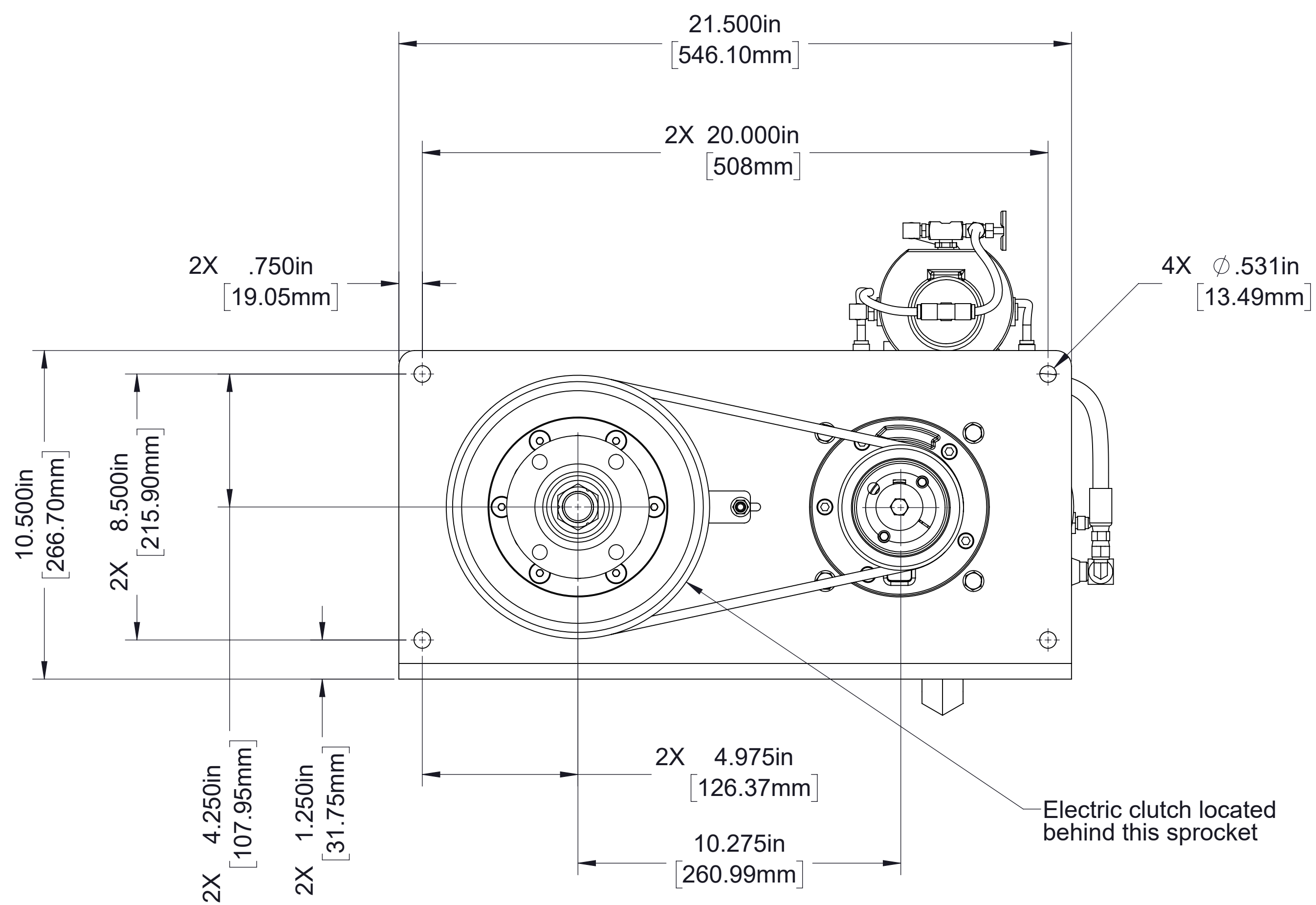
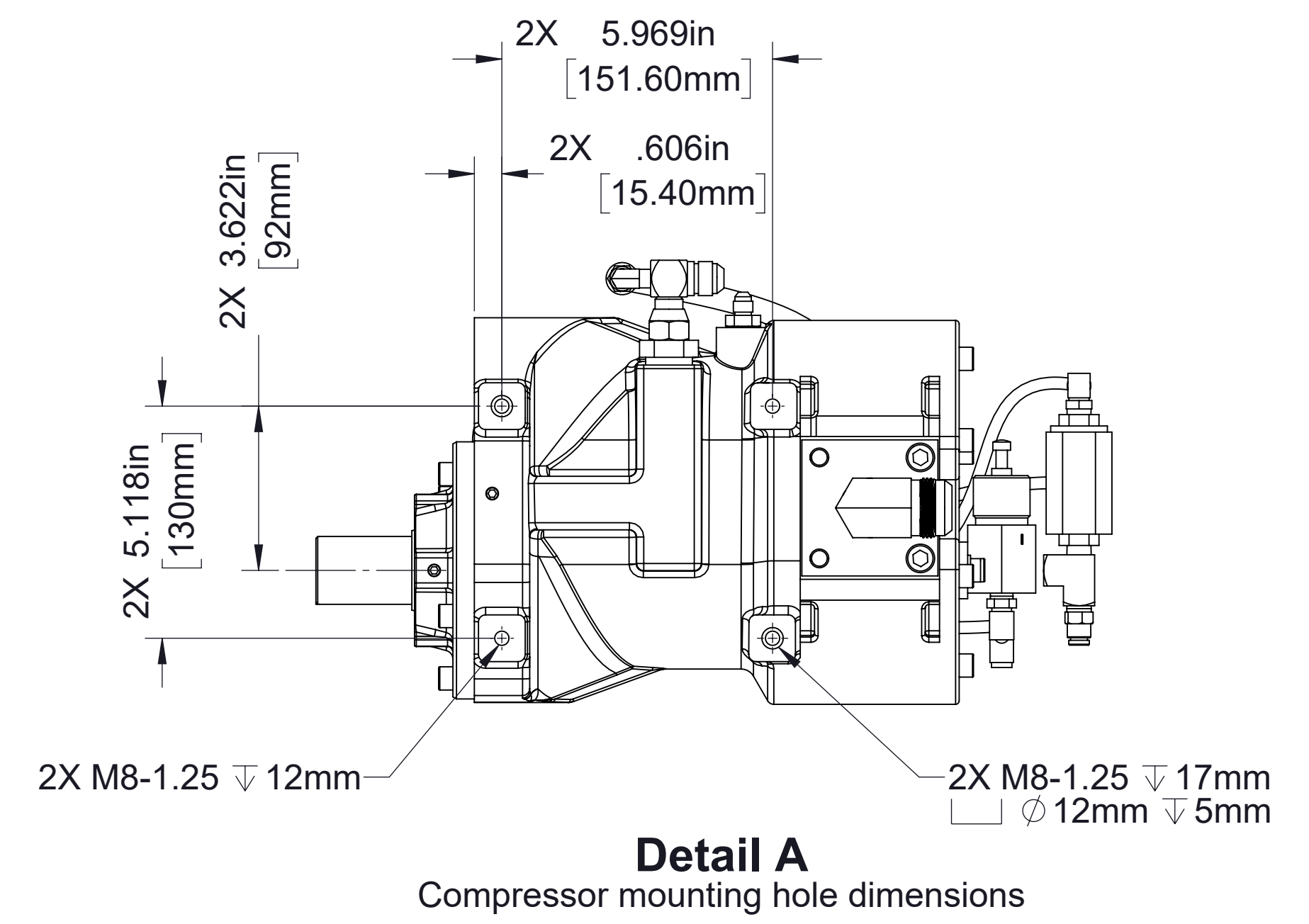
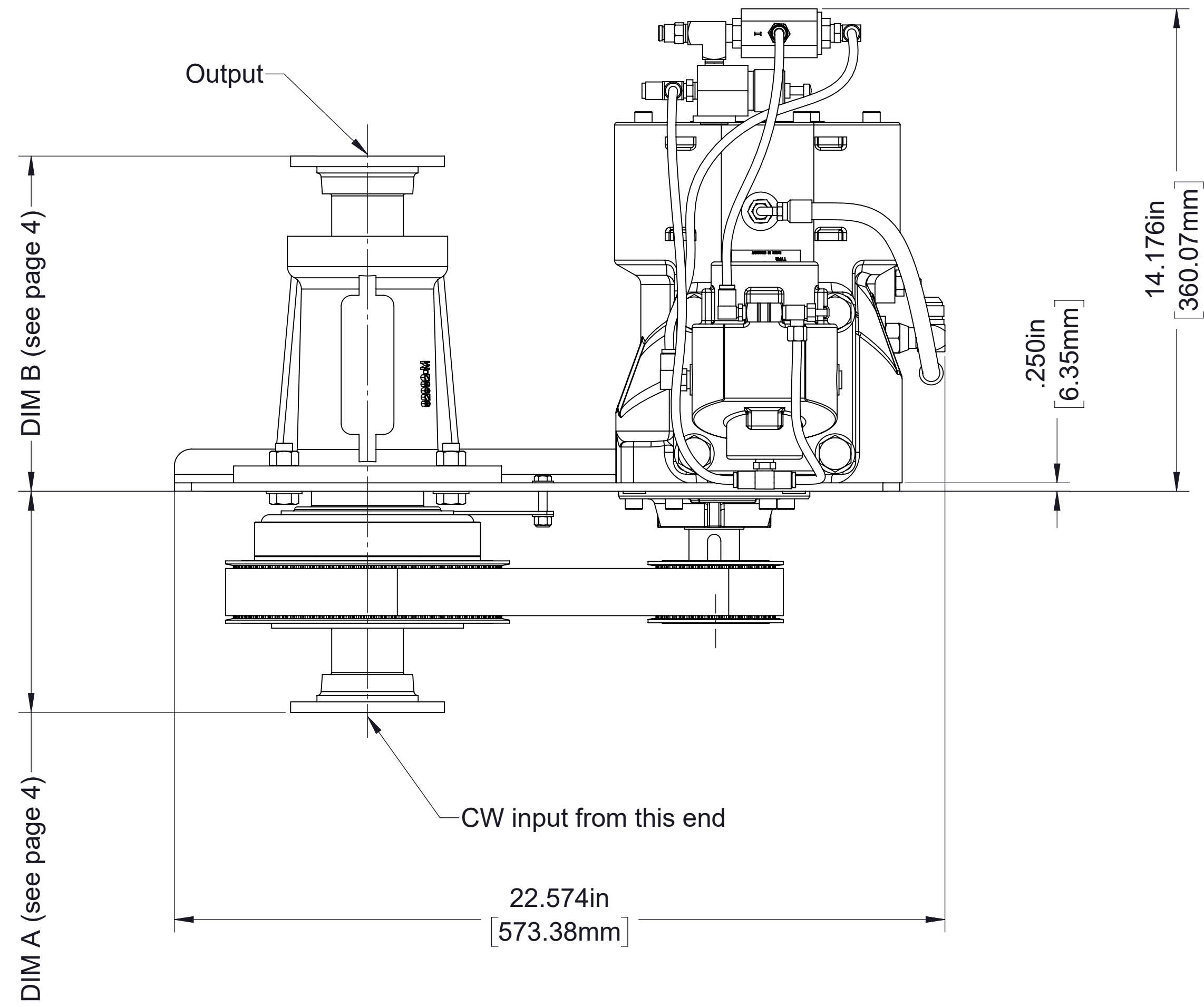


## PTO Compressor Kit Dimensional Drawings Model 100-B

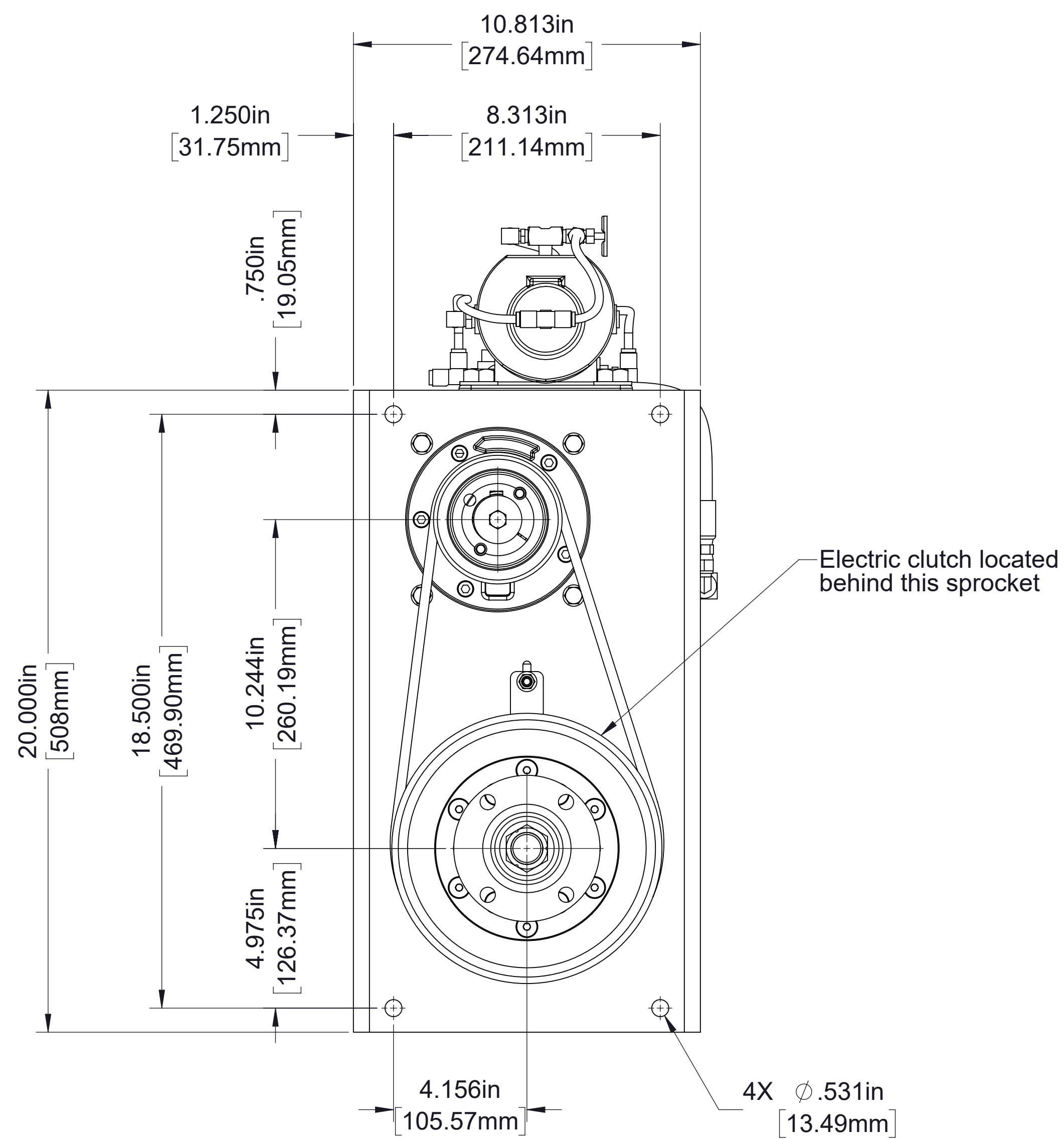
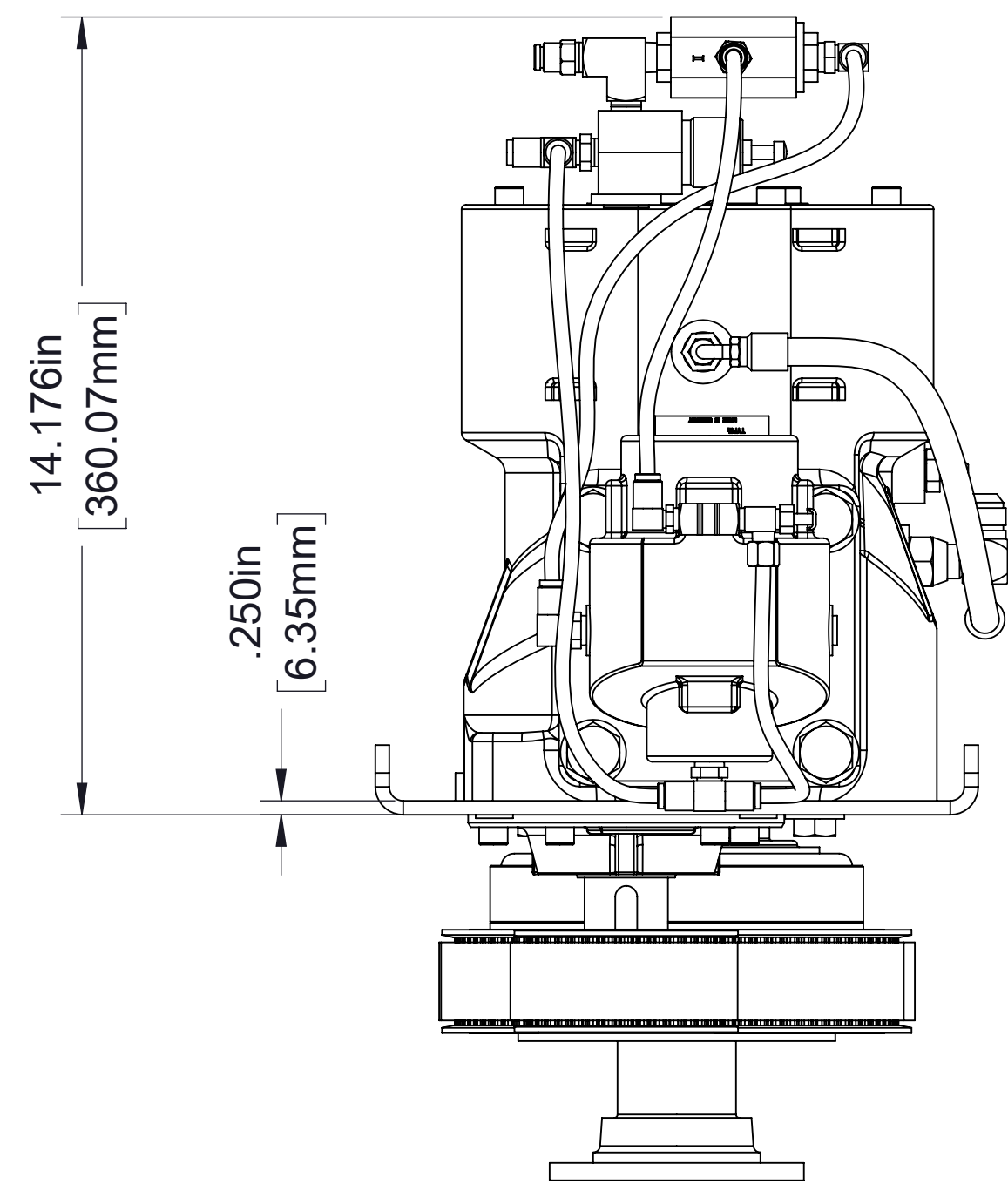


Standard Components:	Page
• Compressor:	
• Horizontal Drive	2
• Vertical Drive	3
• Companion Flanges and End Yokes	4
• Sump (Oil Reservoir)	5
• Oil Cooler and Filter	6
• Air Filter	7
• Separator Filter	7
• Auto-Sync	8
• Balance Valve	8
• Oil Temperature Gauge	8
• Panel Plates	8
• Voltage Converter (24V Systems Only)	9
<b>Optional Components:</b>	
• Air Oil Cooler (Electric Fan)	10
• Air Distribution Manifold	11
• Auxiliary Air Connection	12
• Air Pressure Gauge	13
• Digital Flow Meter	13
• Sump Vent	13
• Oil Inject Check Valve	See DPL83810
• Hose and Fitting Kit	See DPL83810
<b>CAF Discharge:</b>	
• Air Discharge Check Valve Kits	See DPL83477
• ICS Valves	See DPL83478
• Static Mixers	See DPL83603
• Manifolds	See DPL83682
<b>Foam Pumps:</b>	
• Models Aquis 1.5, 3.0 or 6.0	See F-1031-2447
<b>Schematics:</b>	
• Hydraulic	14
• Air Circuit	15
• Electrical	16

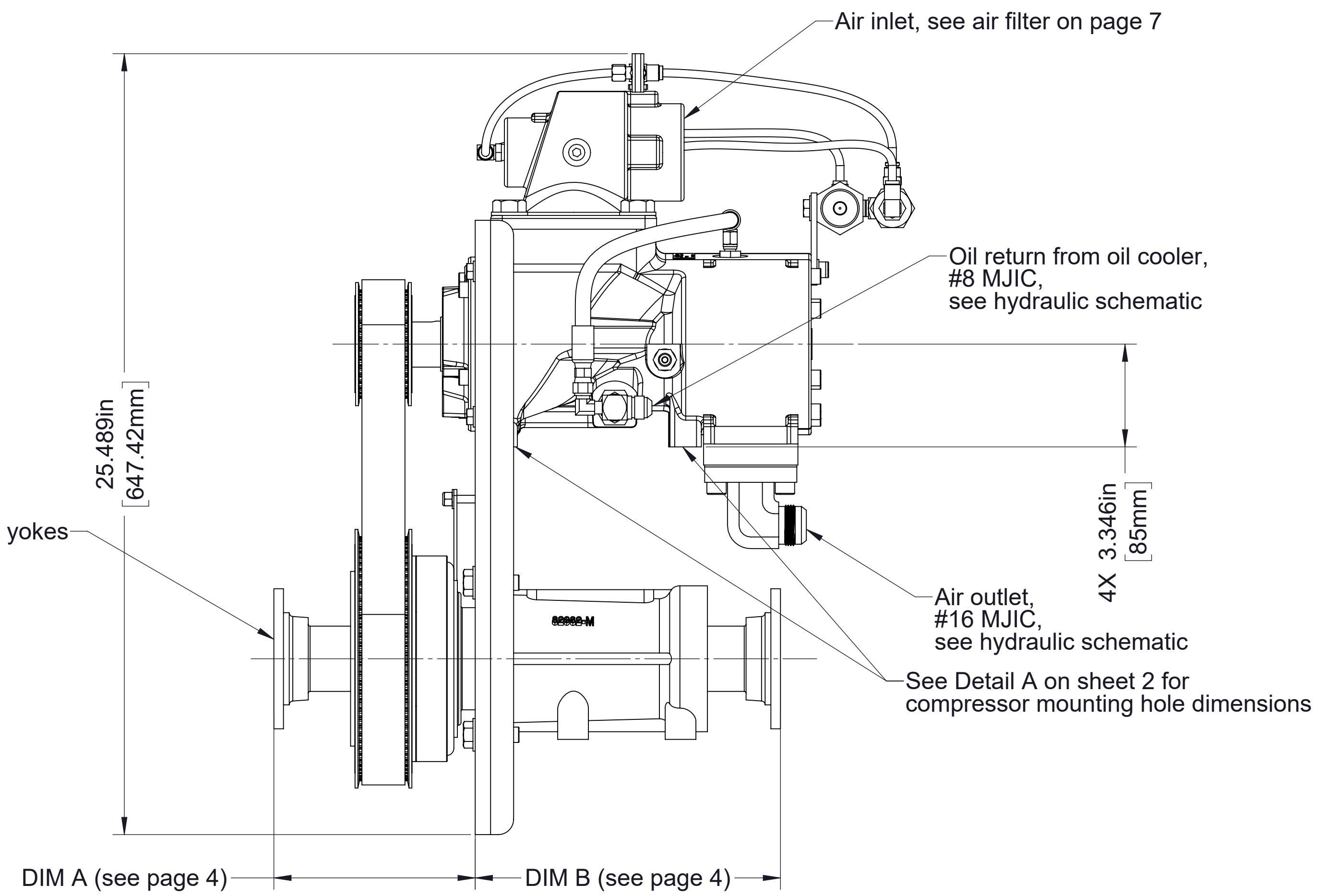


**Compressor-Horizontal Drive**

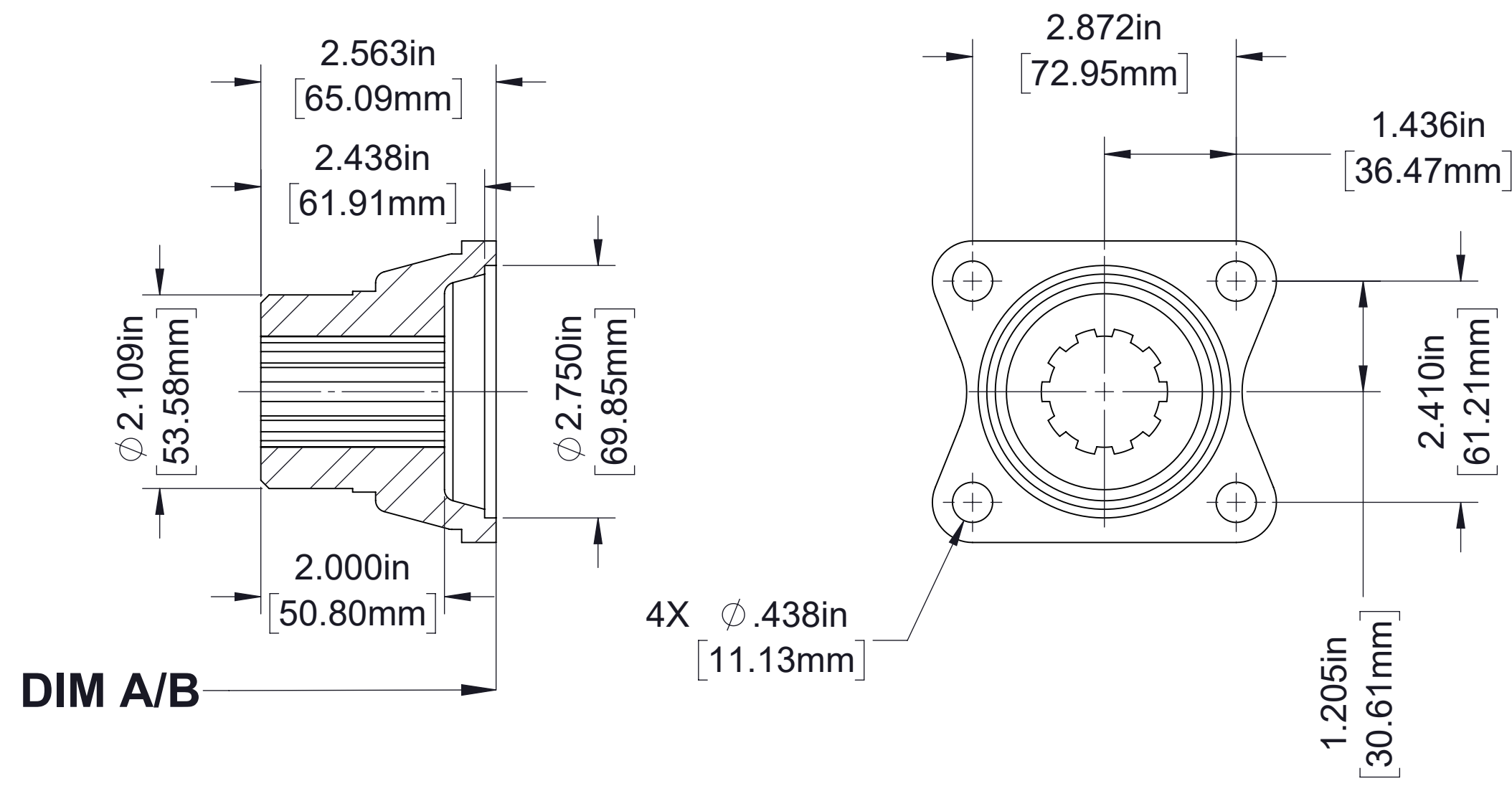




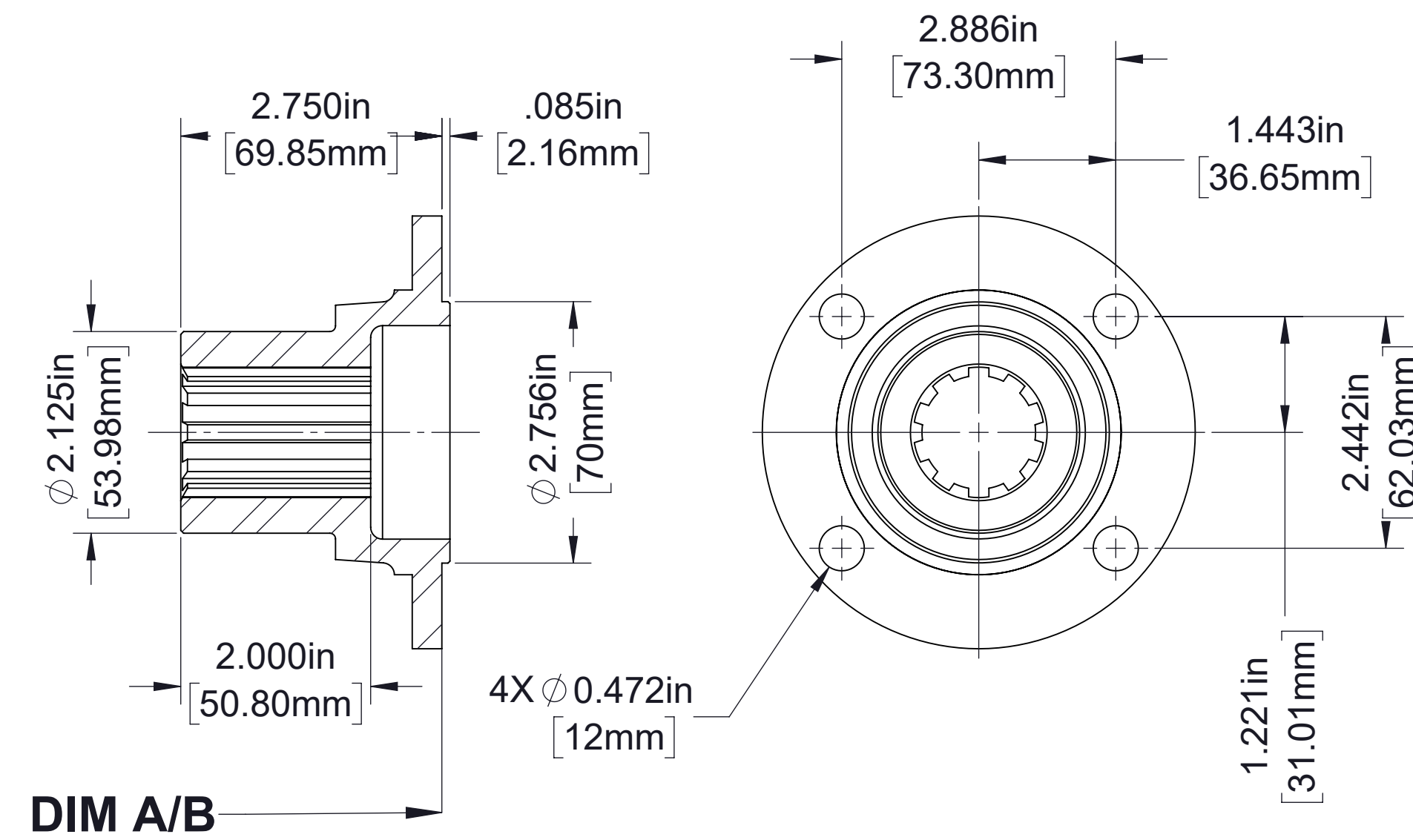
See page 4 for available companion flanges and end yokes



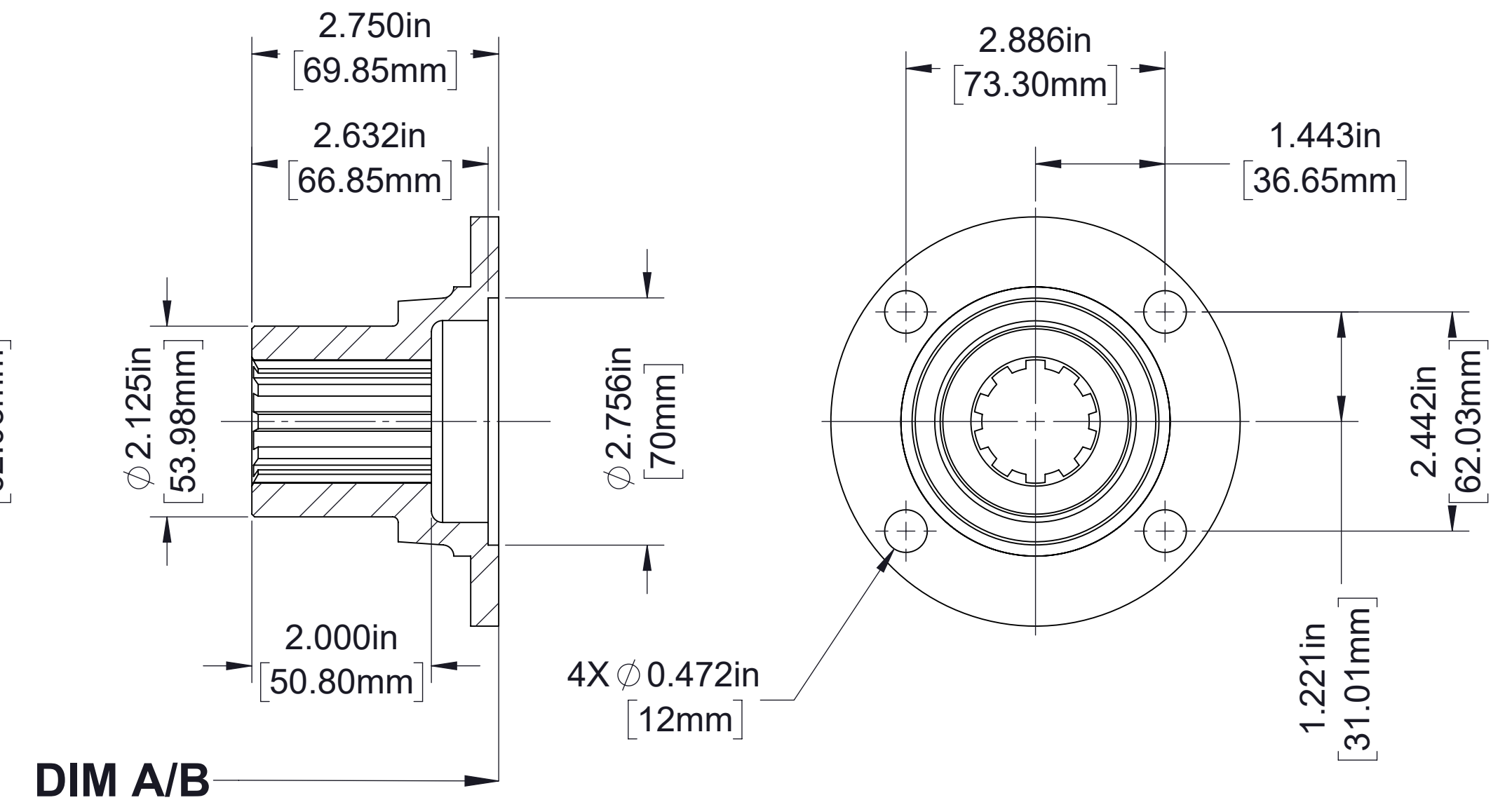
**Compressor-Vertical Drive**



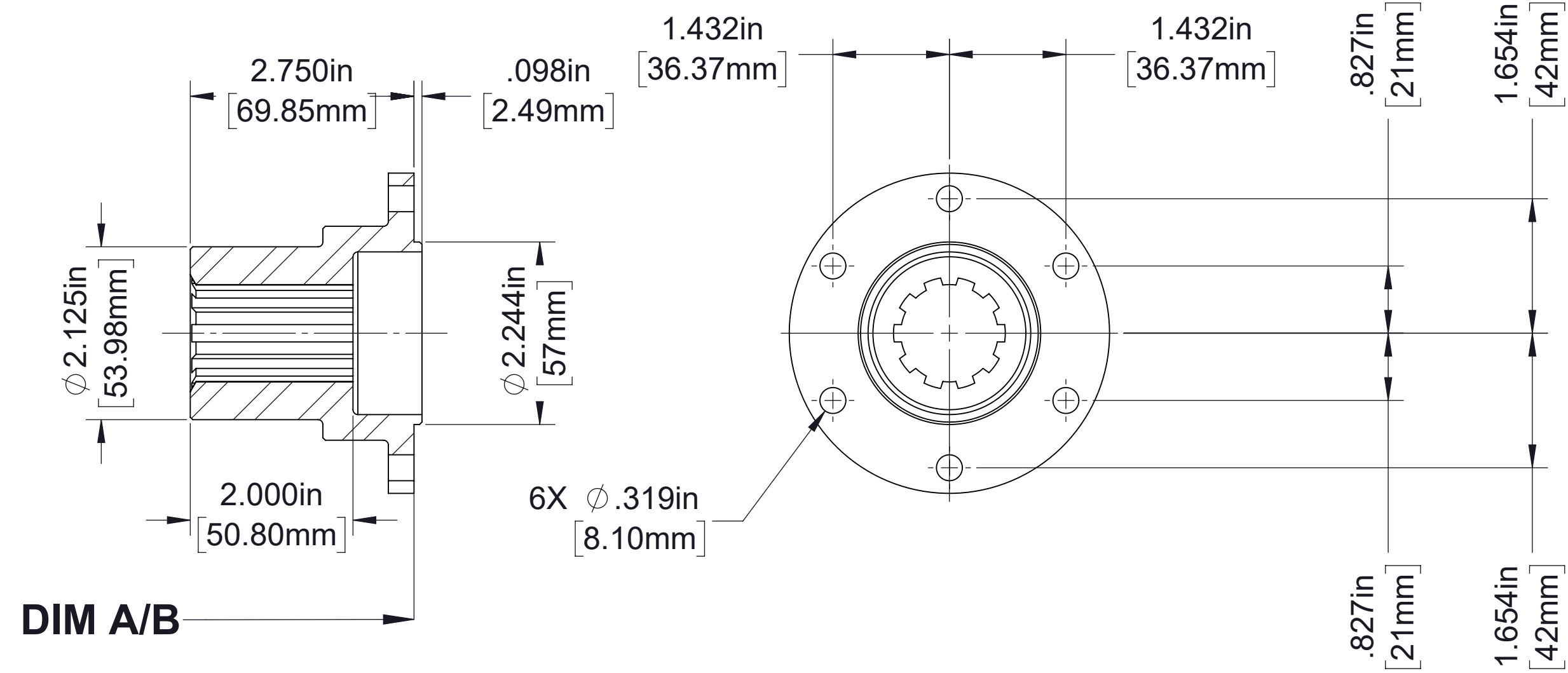
1350/1410, part number V 2593



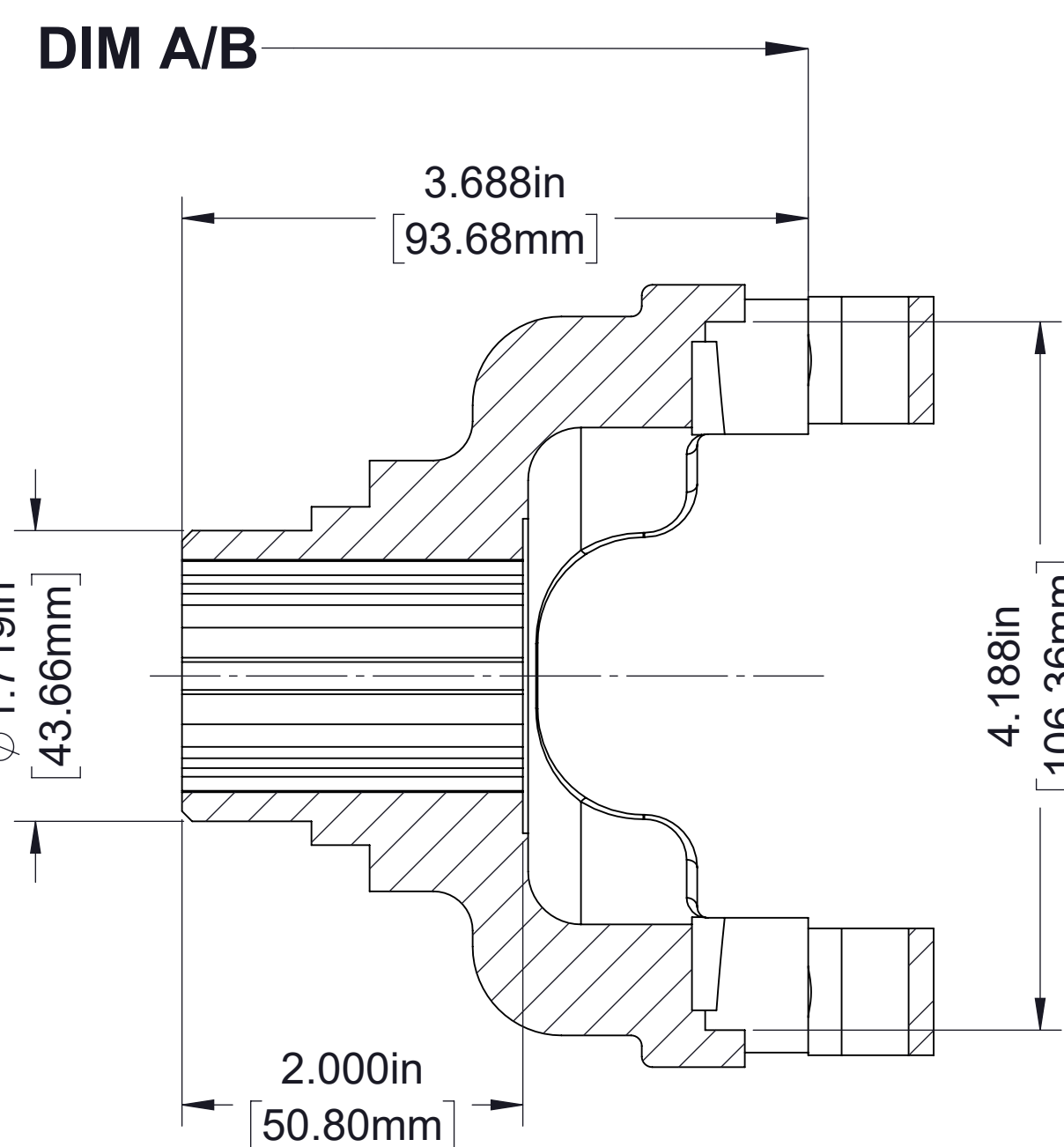
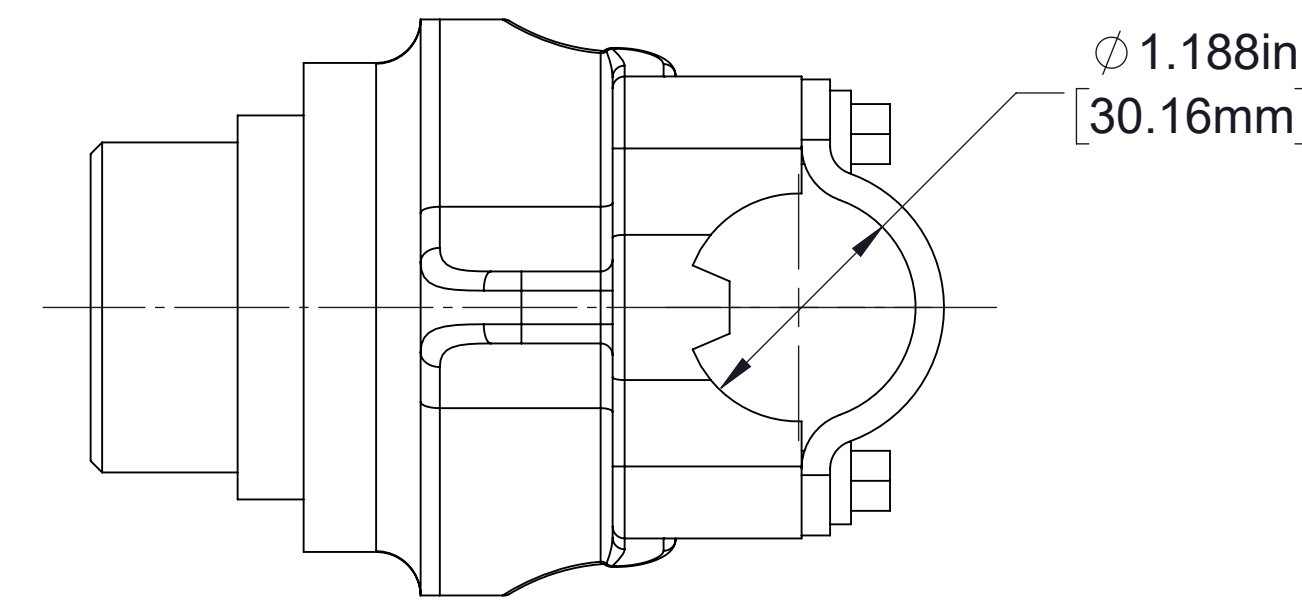
70 mm Male Pilot, part number 73276



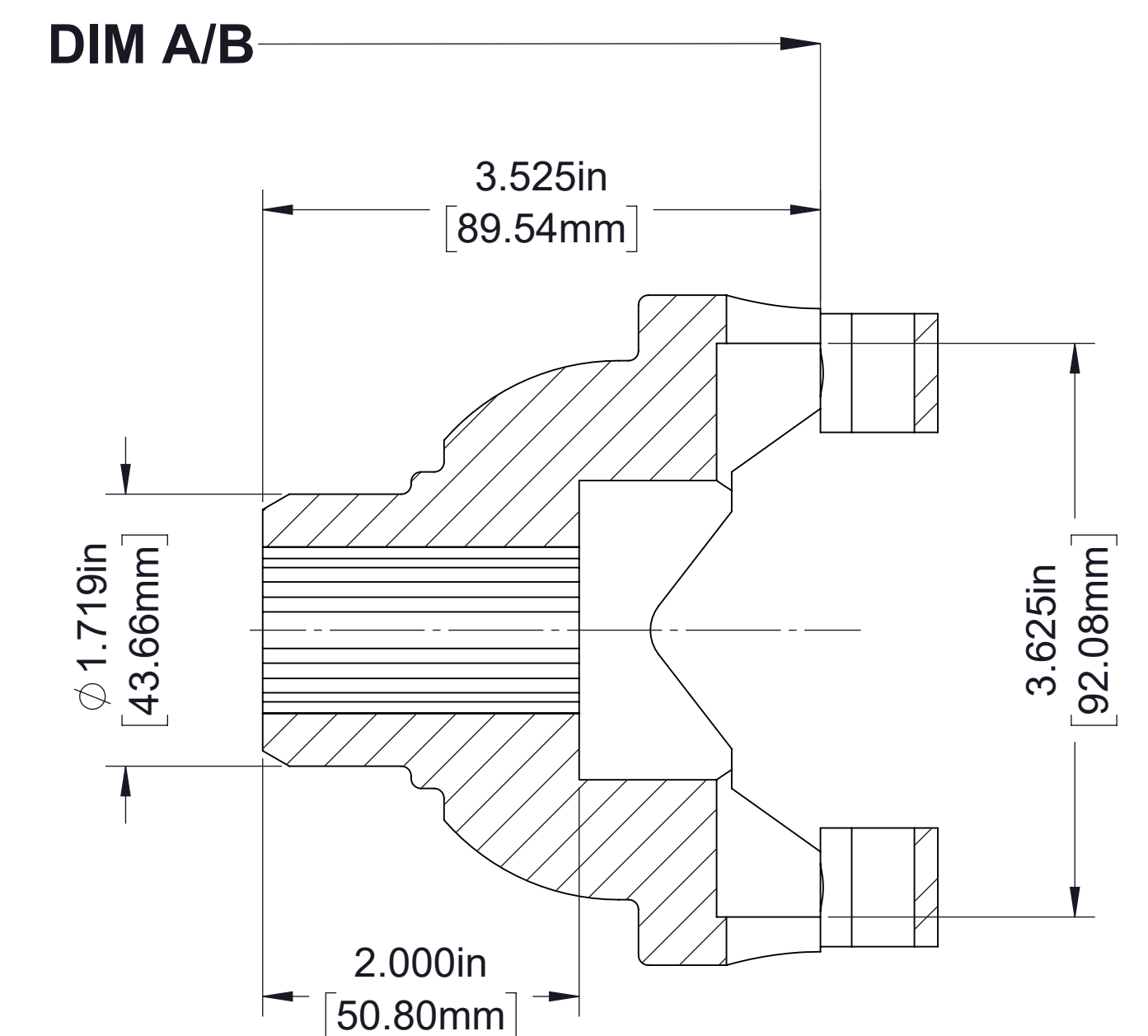
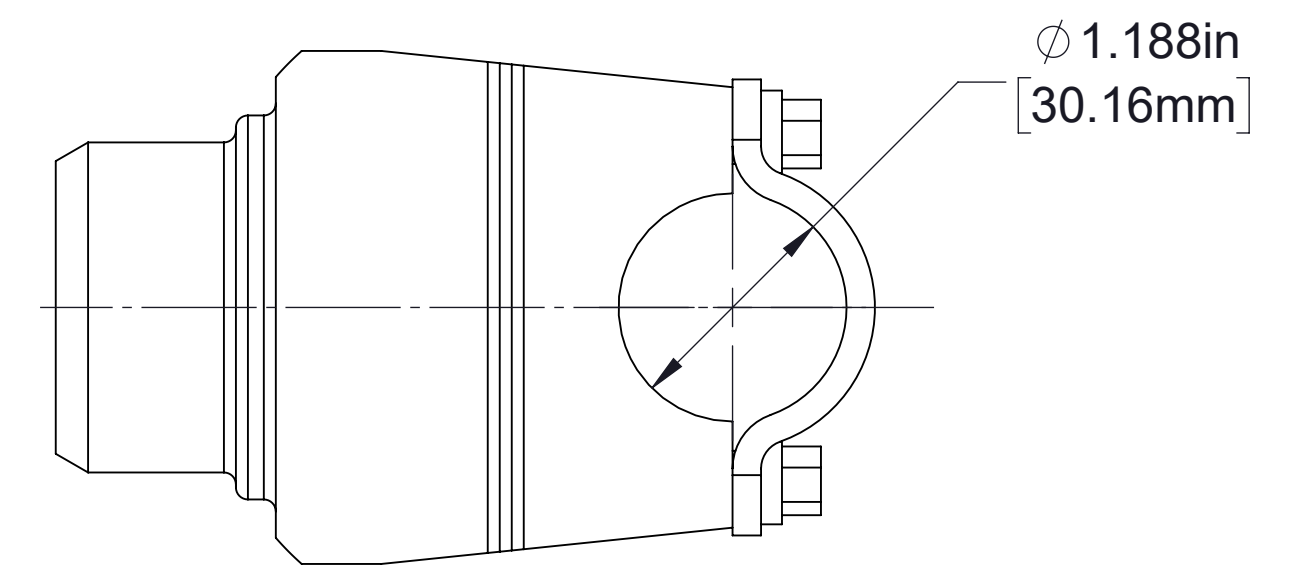
70 mm Female Pilot, part number 73377



DIN 100, part number 73327



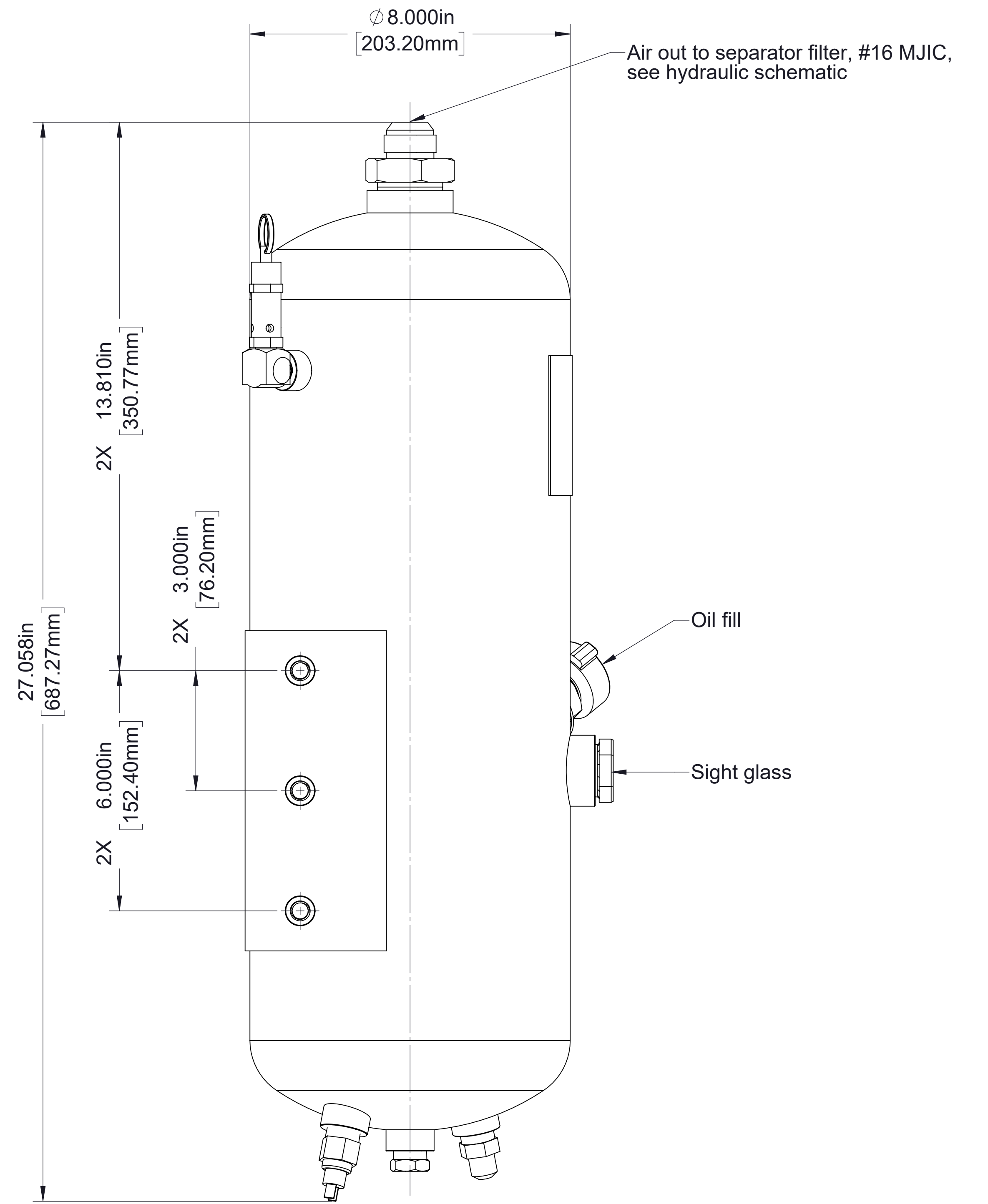
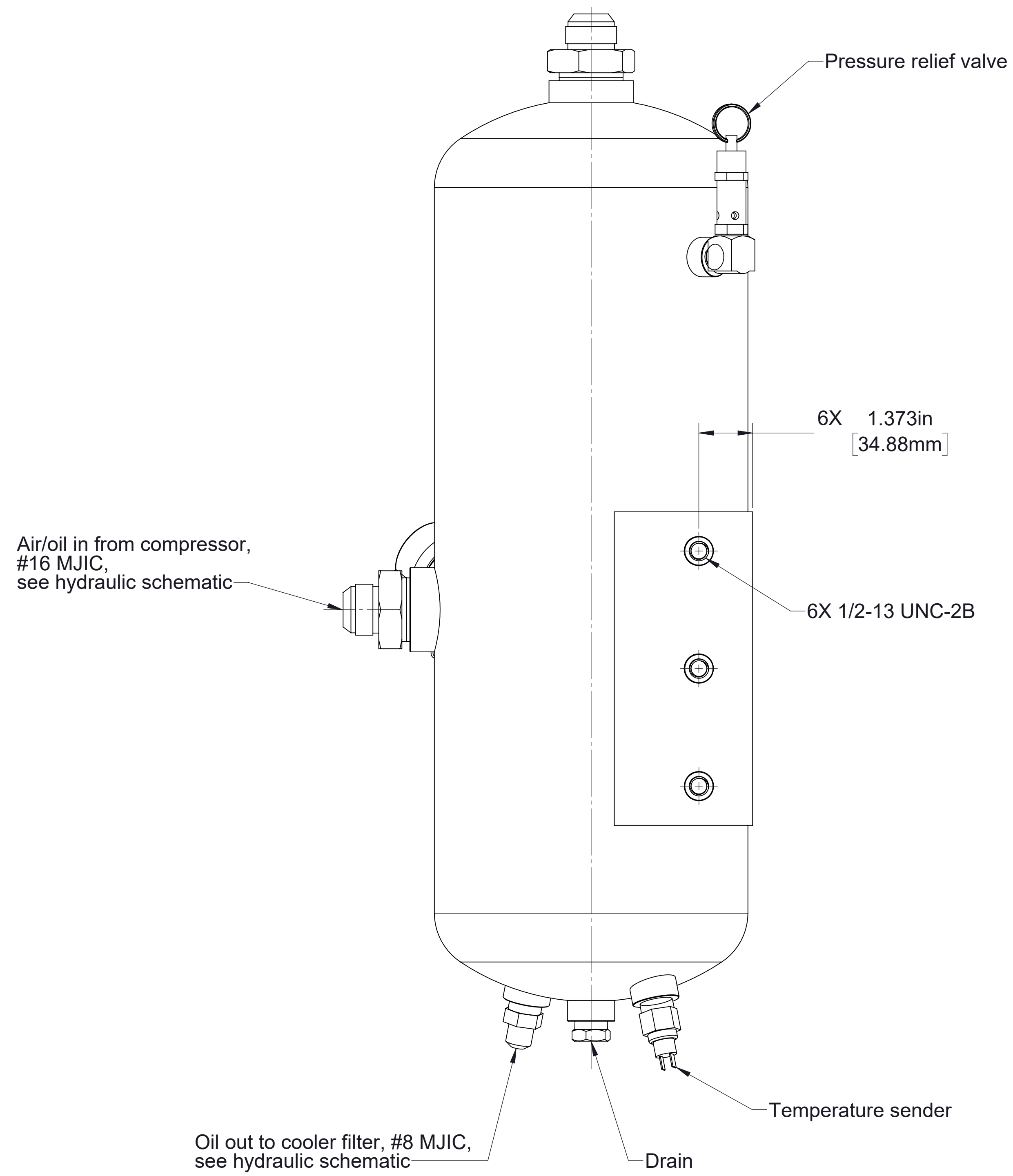
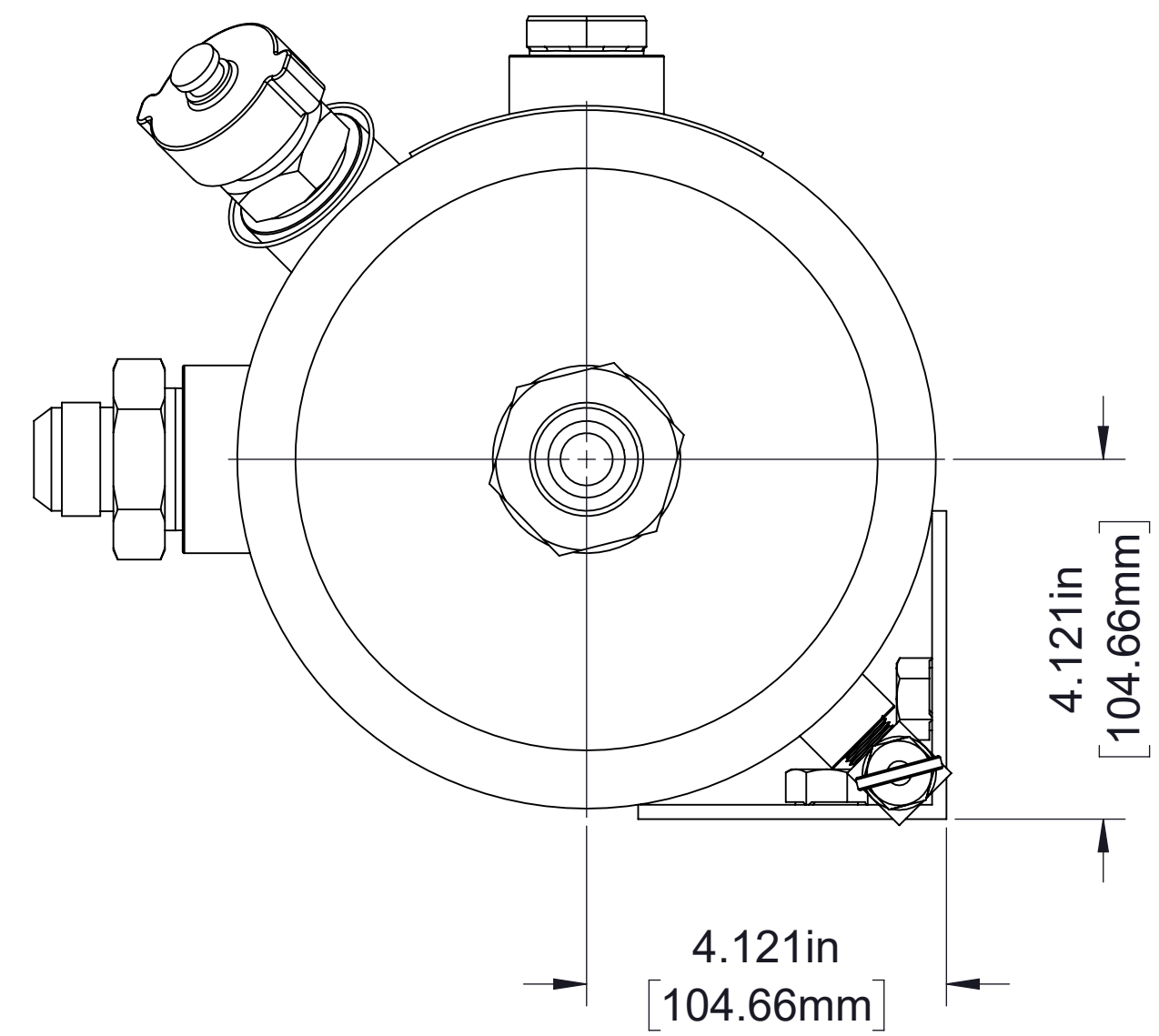
1410, part number V 2591



1350, part number V 1641

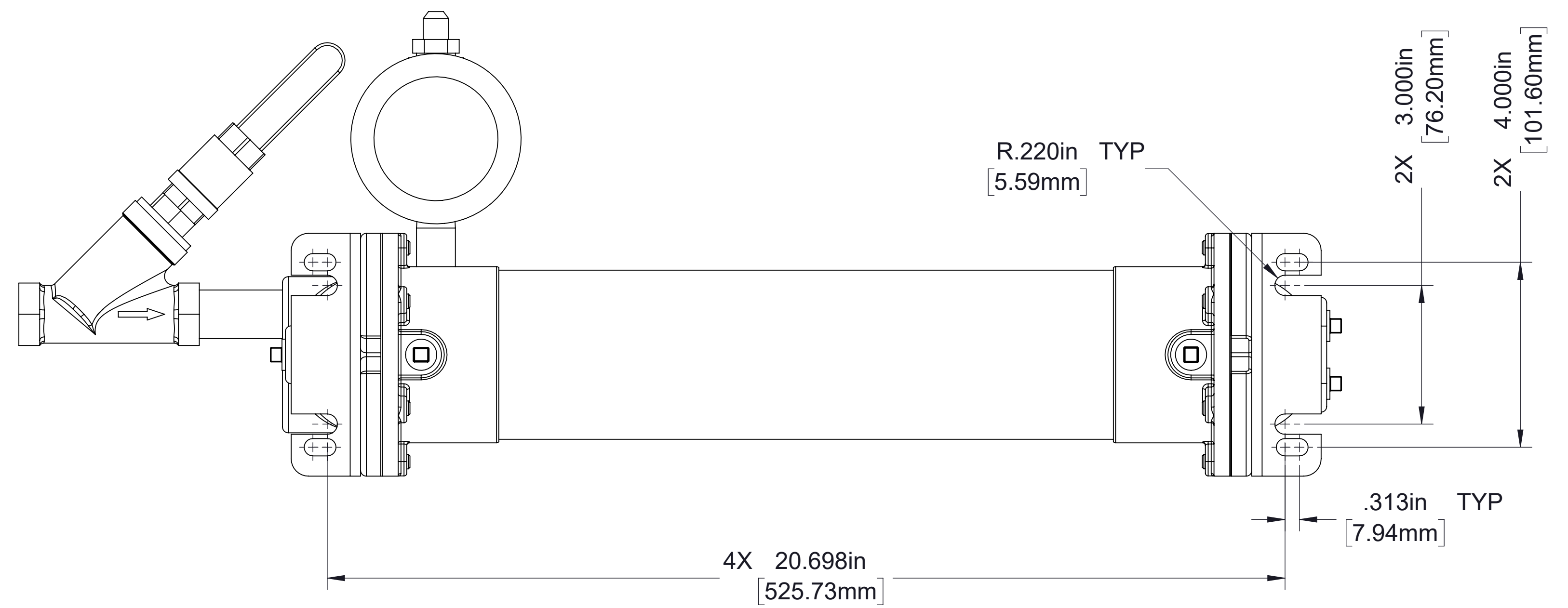
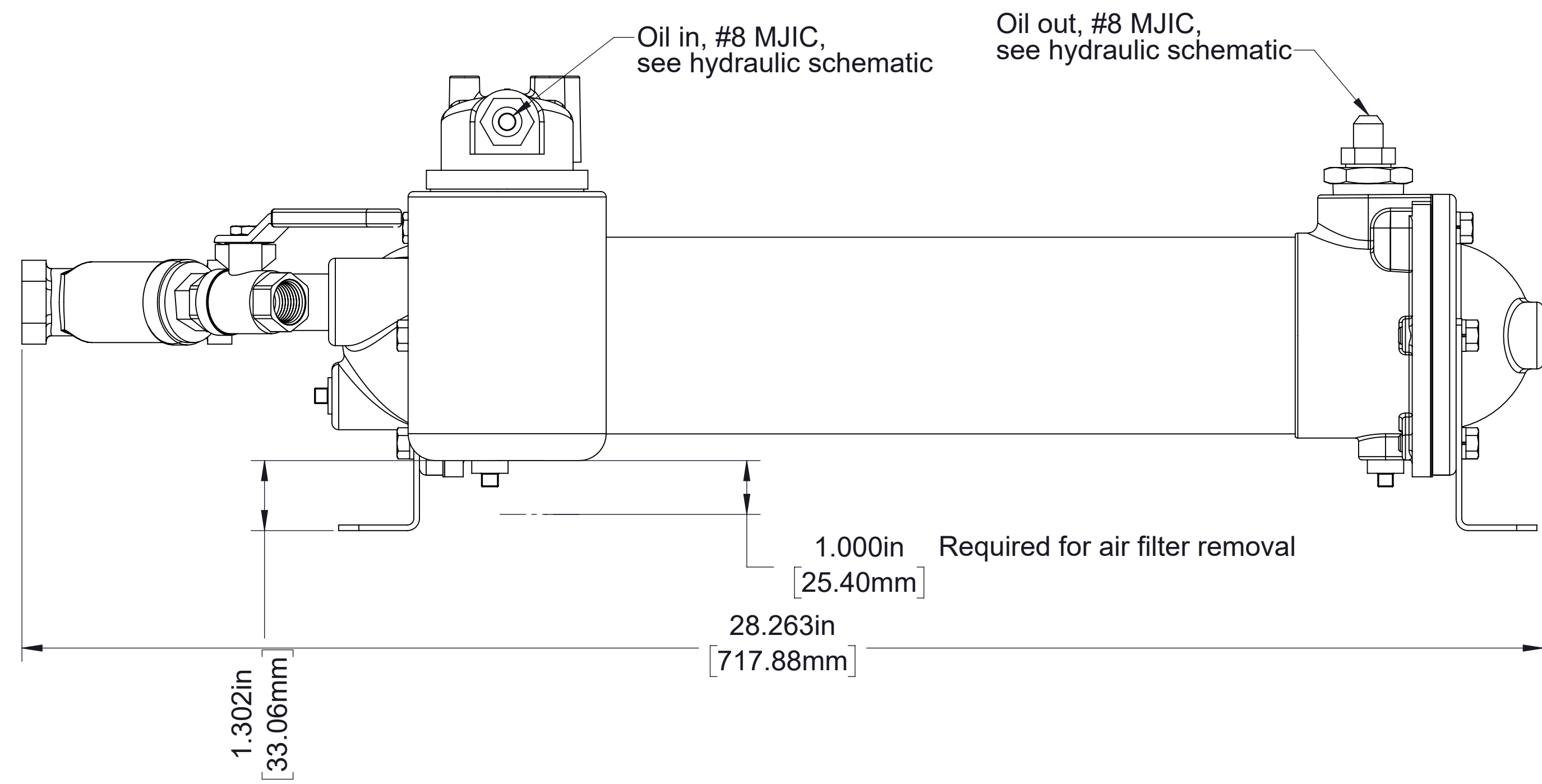
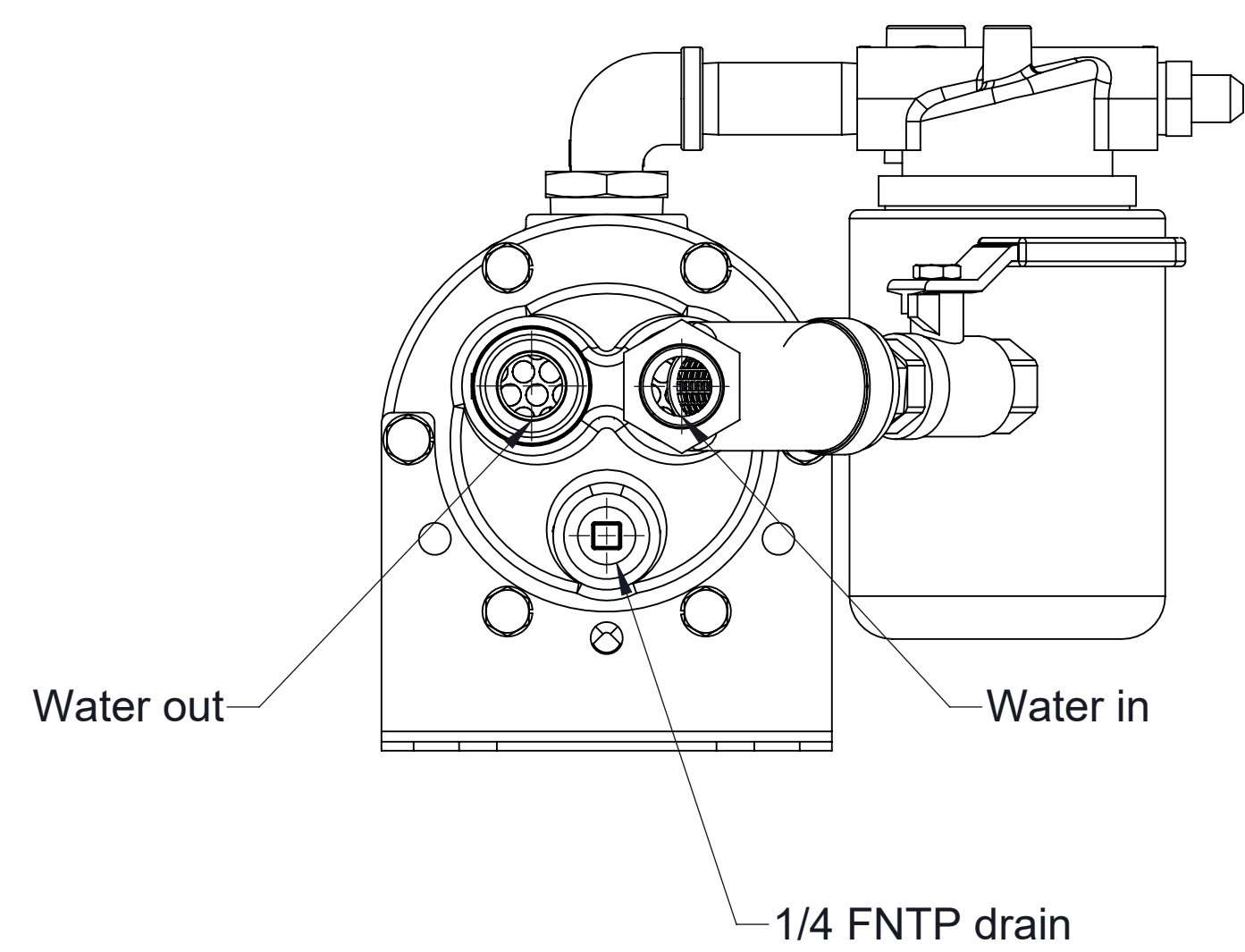
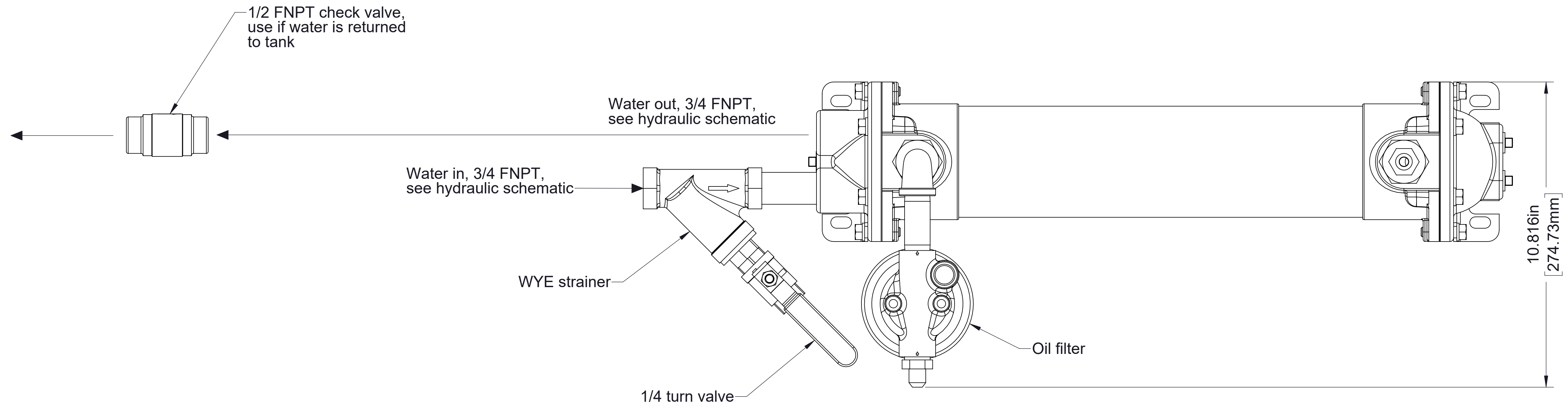
Companion Flange and End Yoke				
Type	Series	Part Number	DIM A	DIM B
Companion Flange	1350/1410	V 2593	6.363/161.62	9.750/247.65
	70 mm Male Pilot	73276	6.635/168.54	10.023/254.57
	70 mm Female Pilot	73377	6.550/166.38	9.983/252.41
	DIN 100	73327	6.635/168.54	10.023/254.57
End Yoke	1350	V 1641	7.325/186.05	10.712/272.08
	1410	V 2591	7.488/190.19	10.875/276.23

Available Companion Flanges and End Yokes

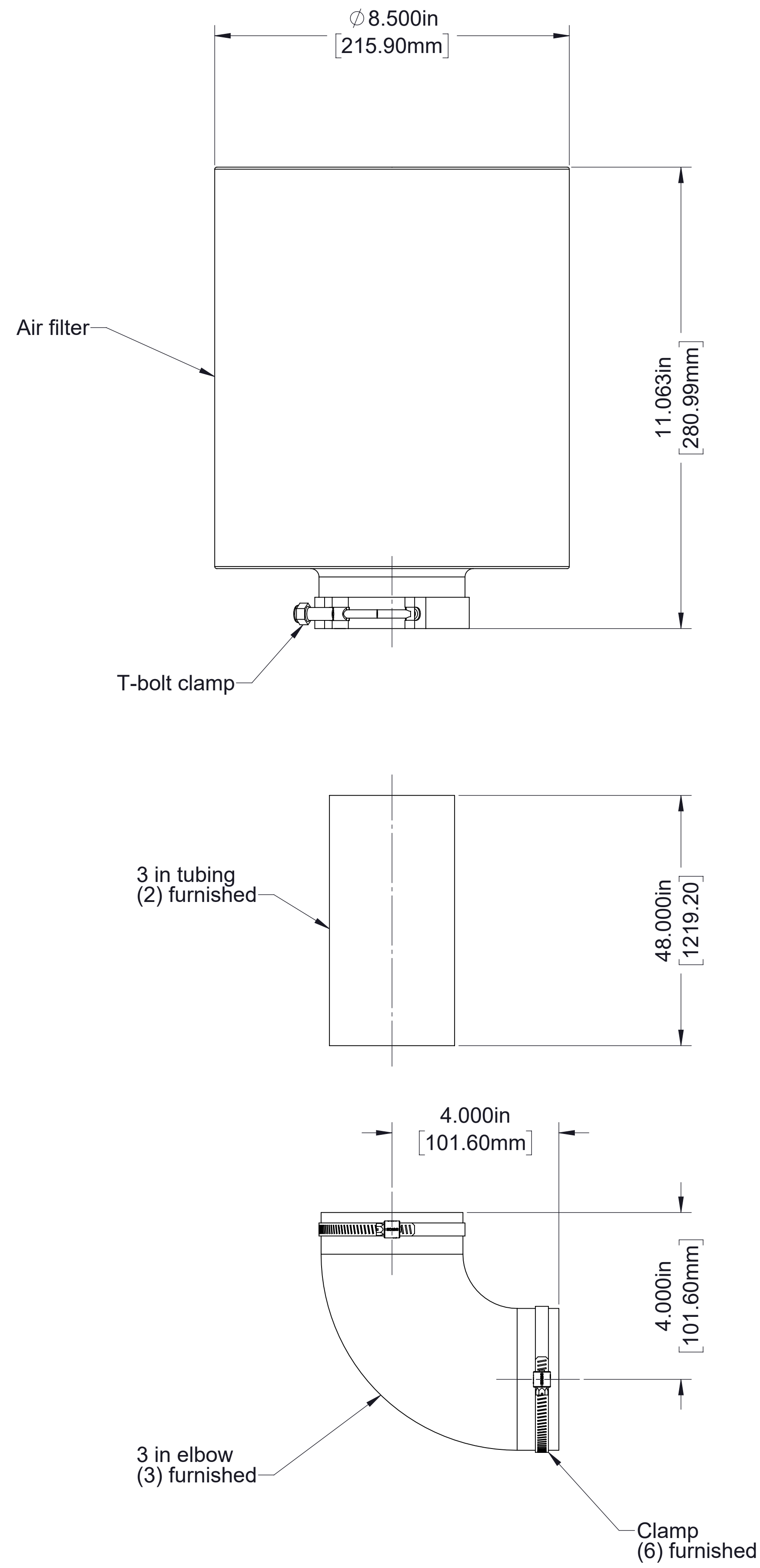


**Sump (Oil Reservoir)**

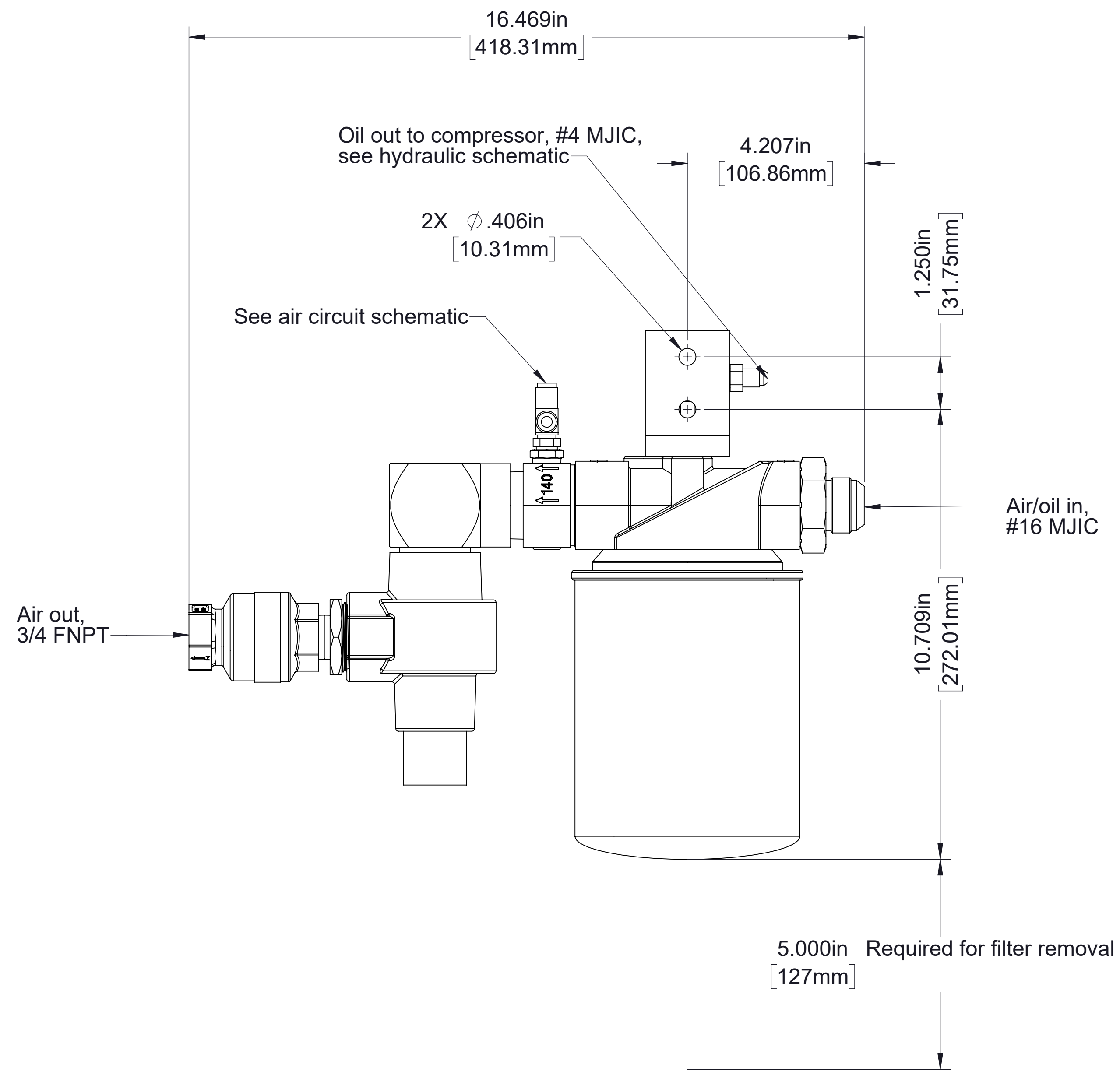




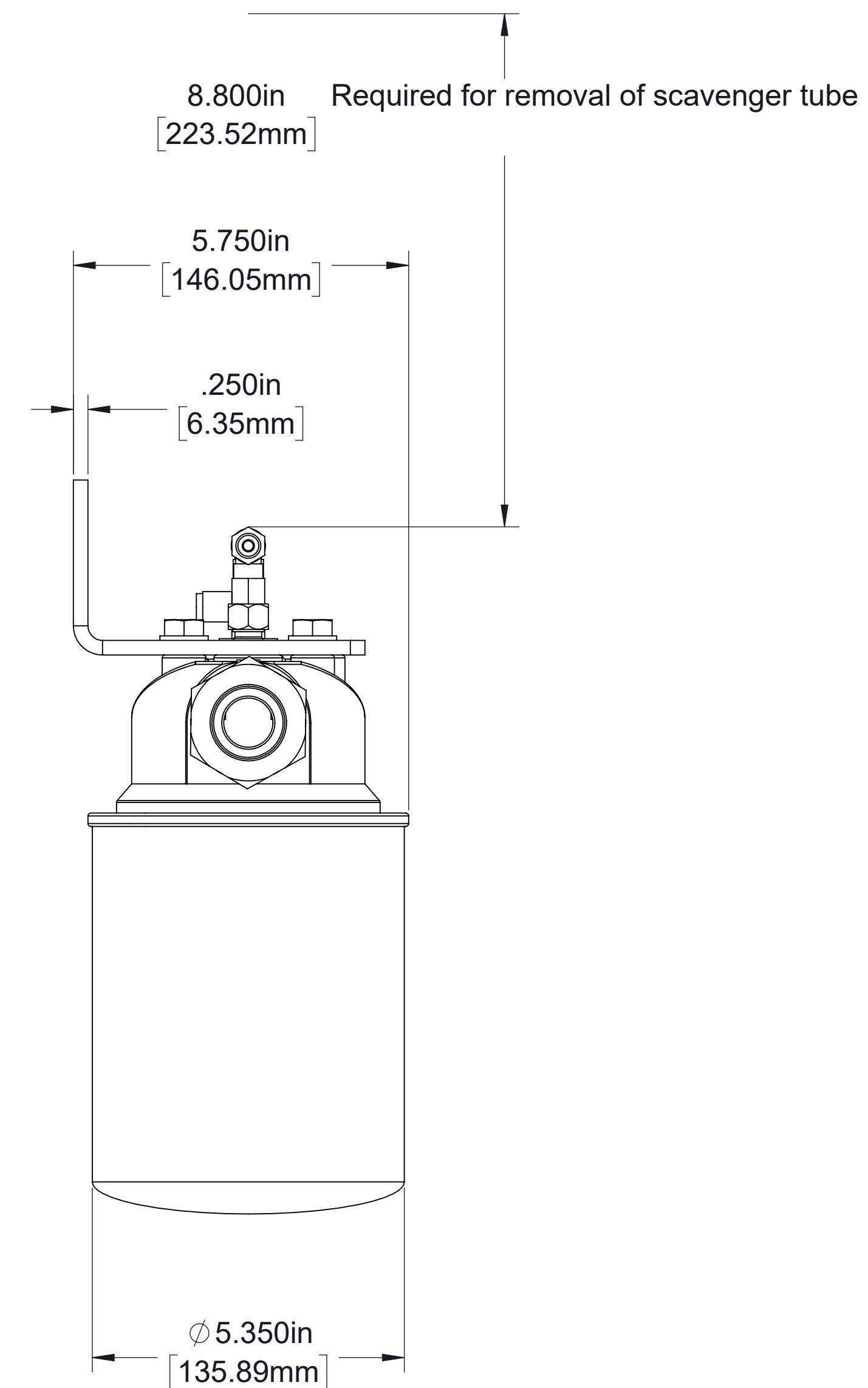
**Oil Cooler and Filter**

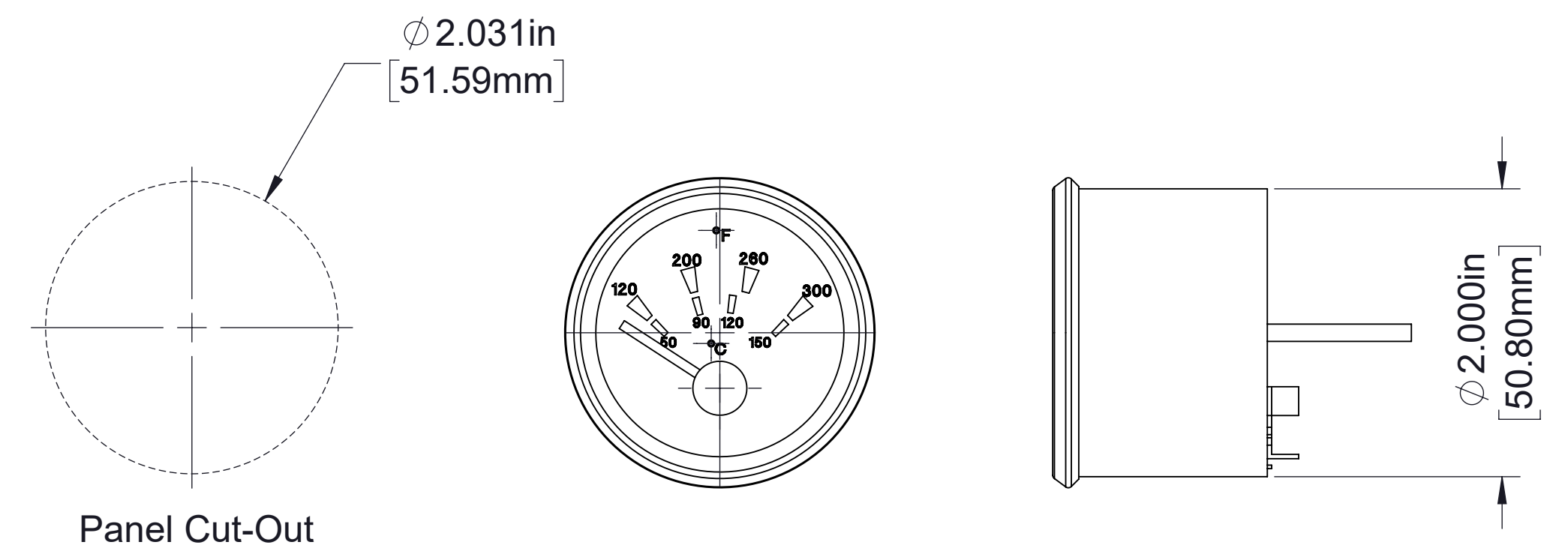
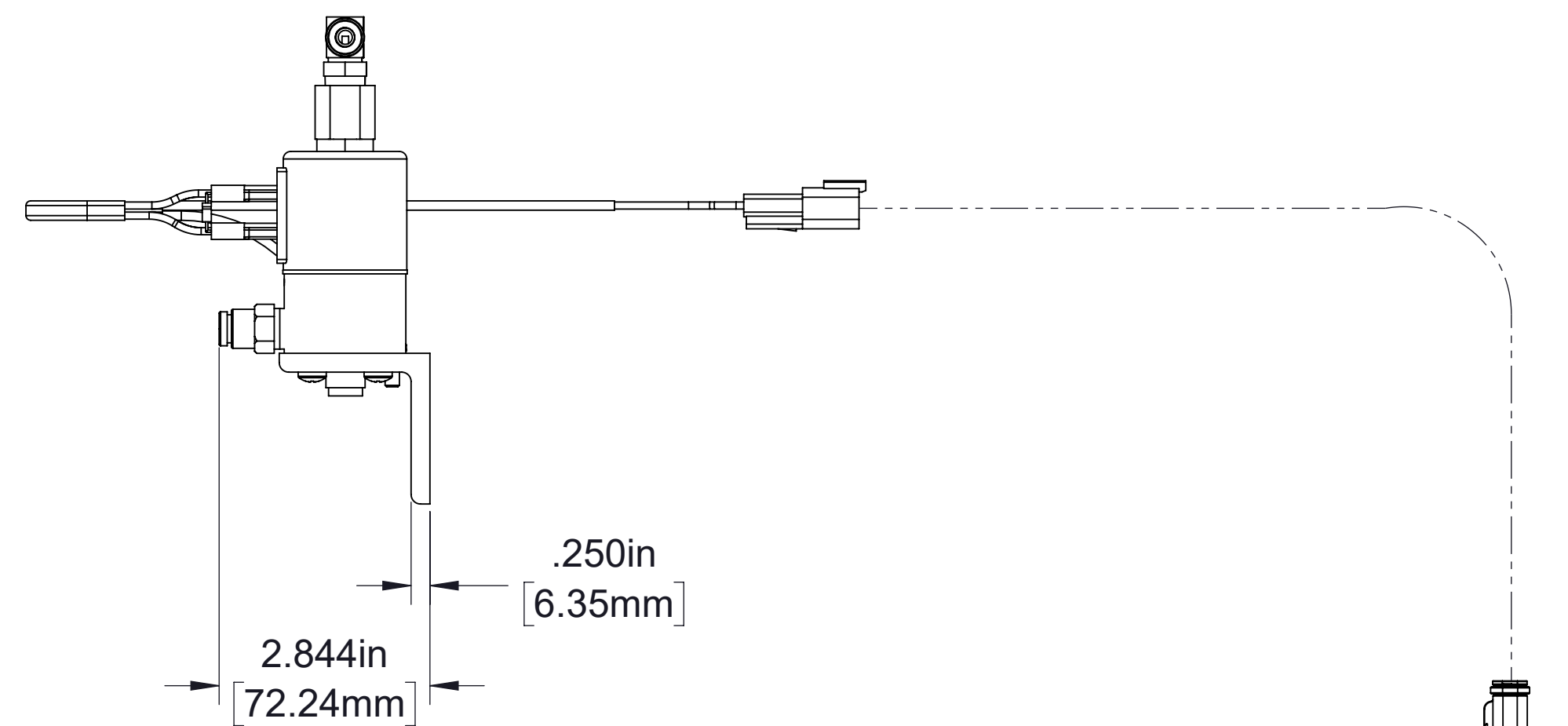
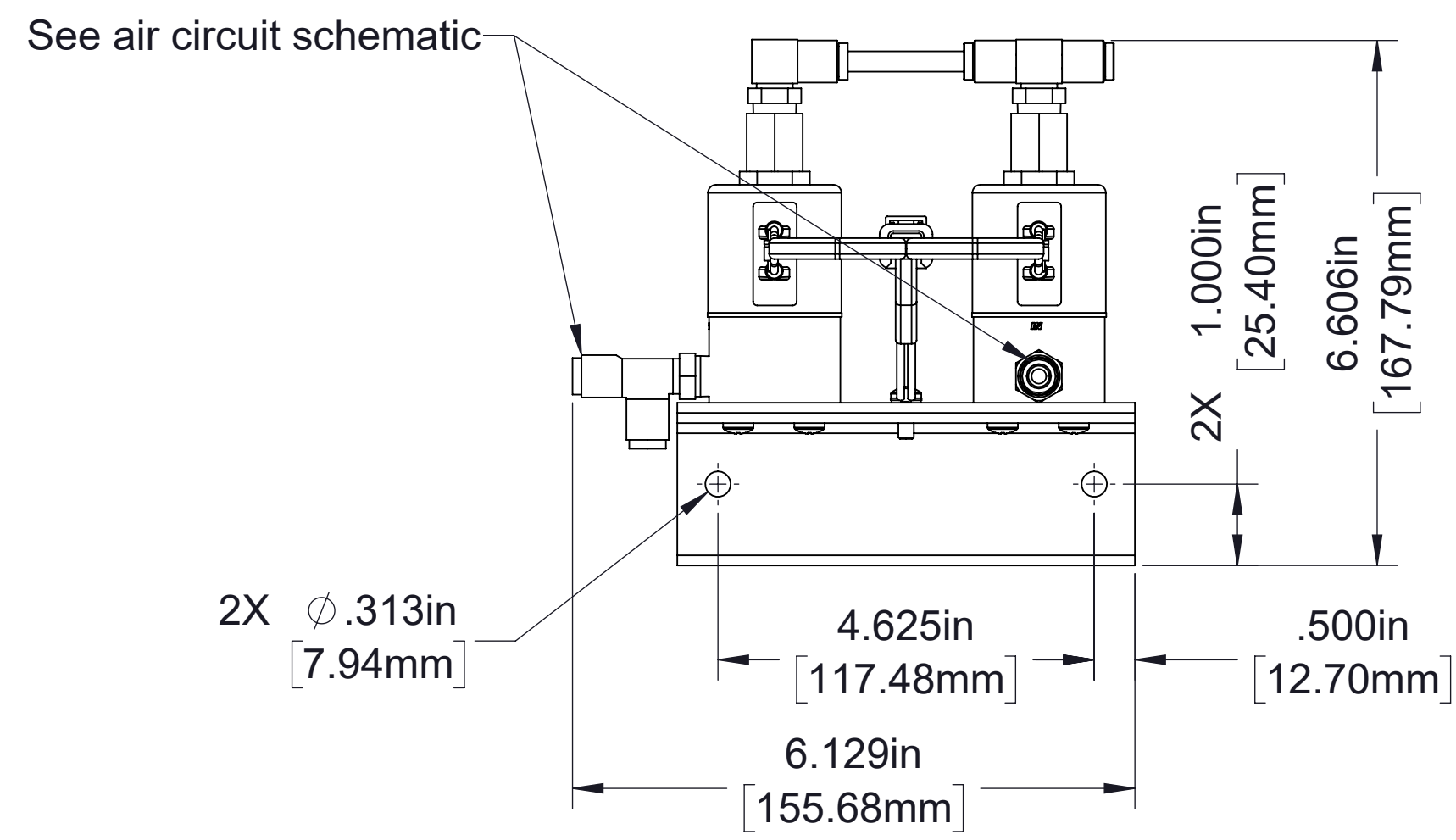


**Air Filter**

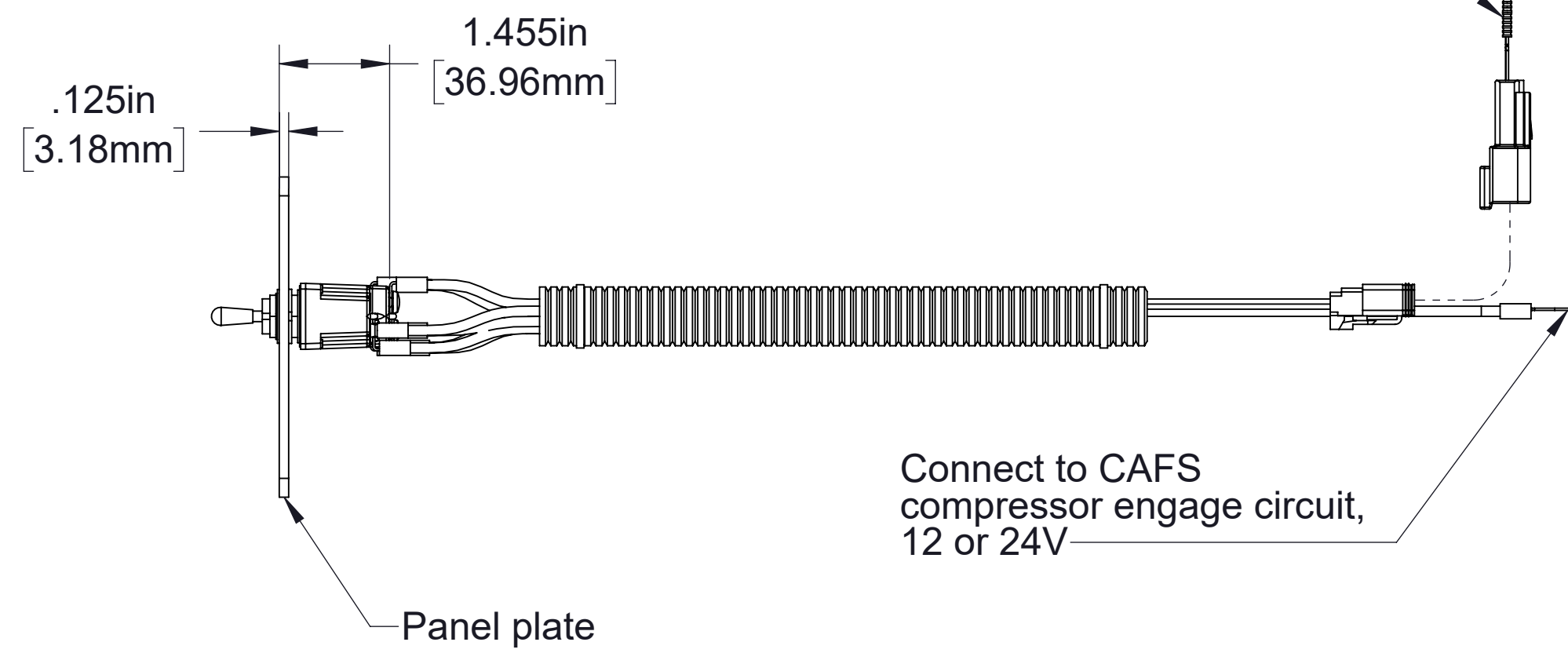
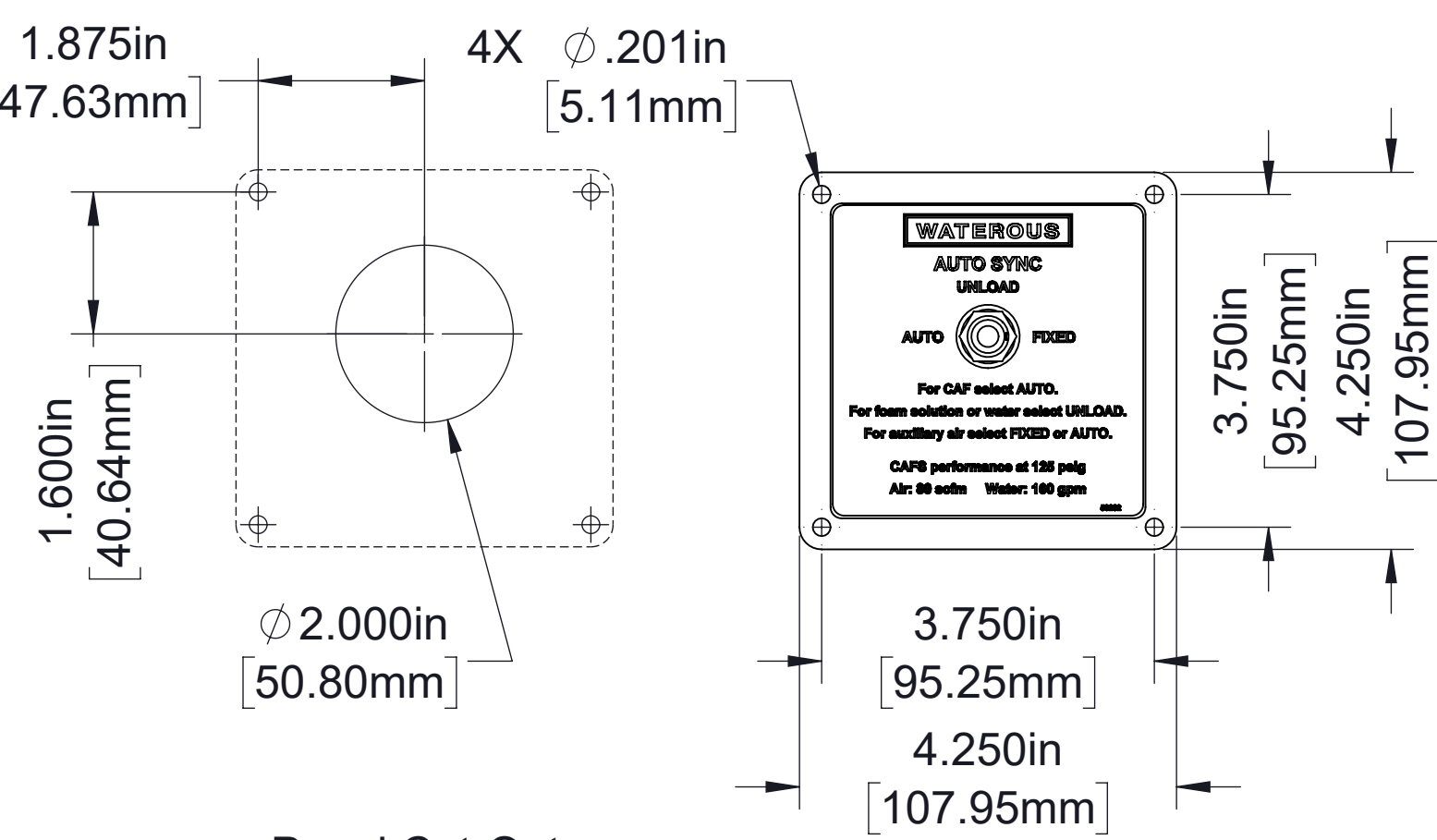


**Separator Filter**

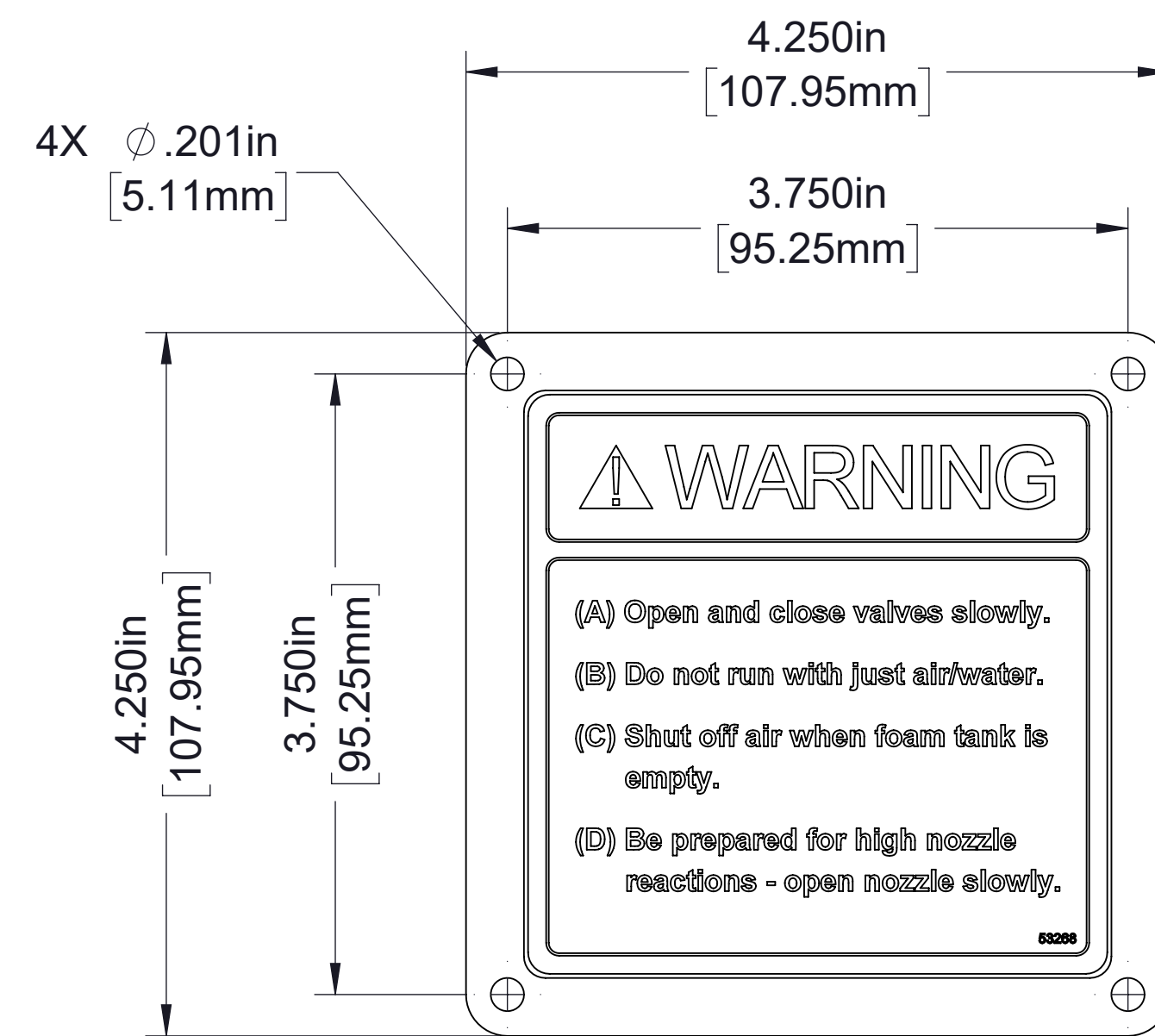




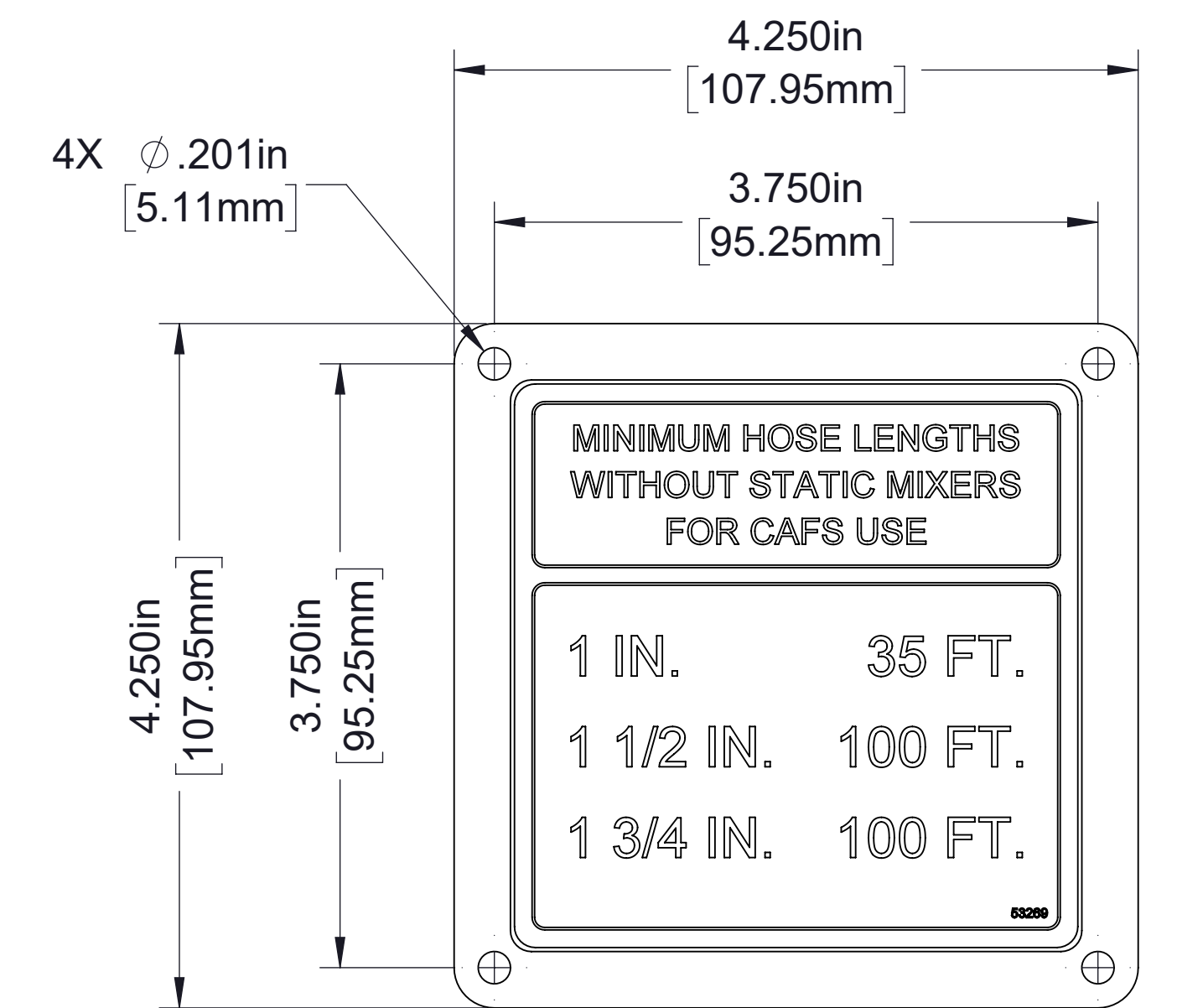
**Oil Temperature Gauge**  
(Wiring to sump temperature sender not furnished by Waterous)



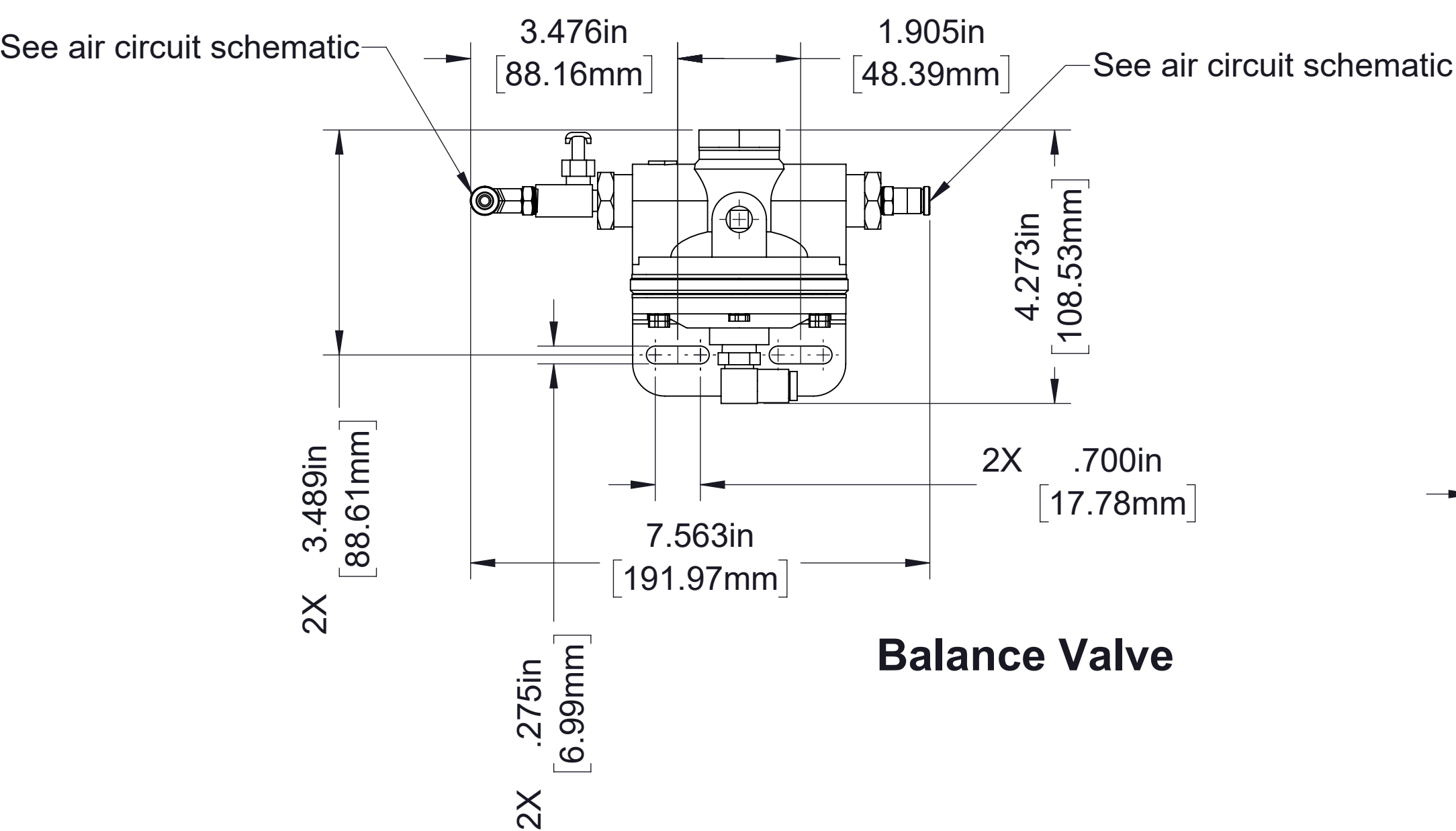
**Auto-Sync**



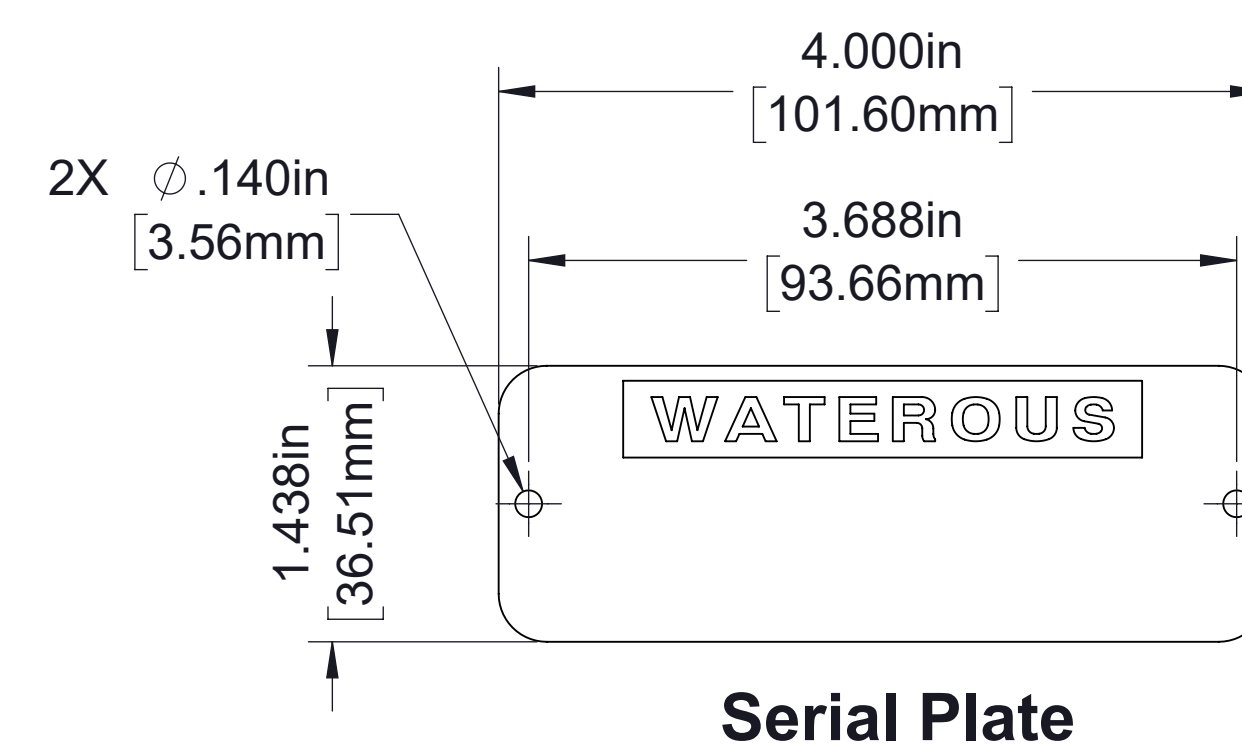
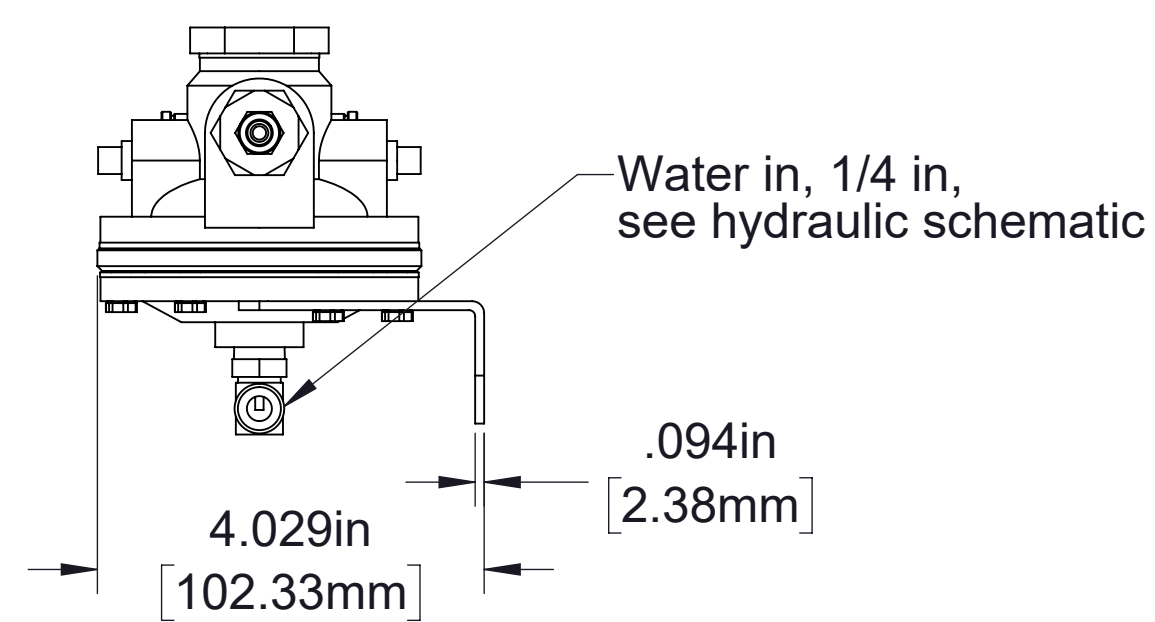
**CAFS Warning**



**Hose Length**



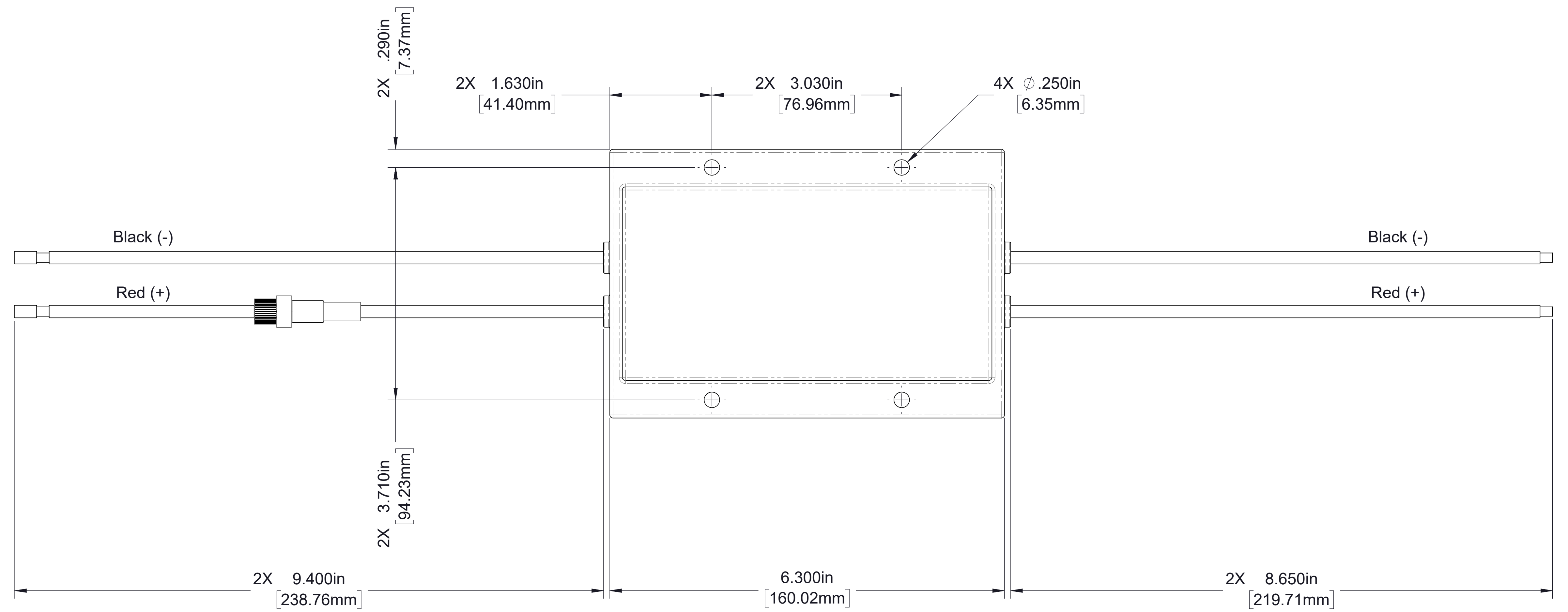
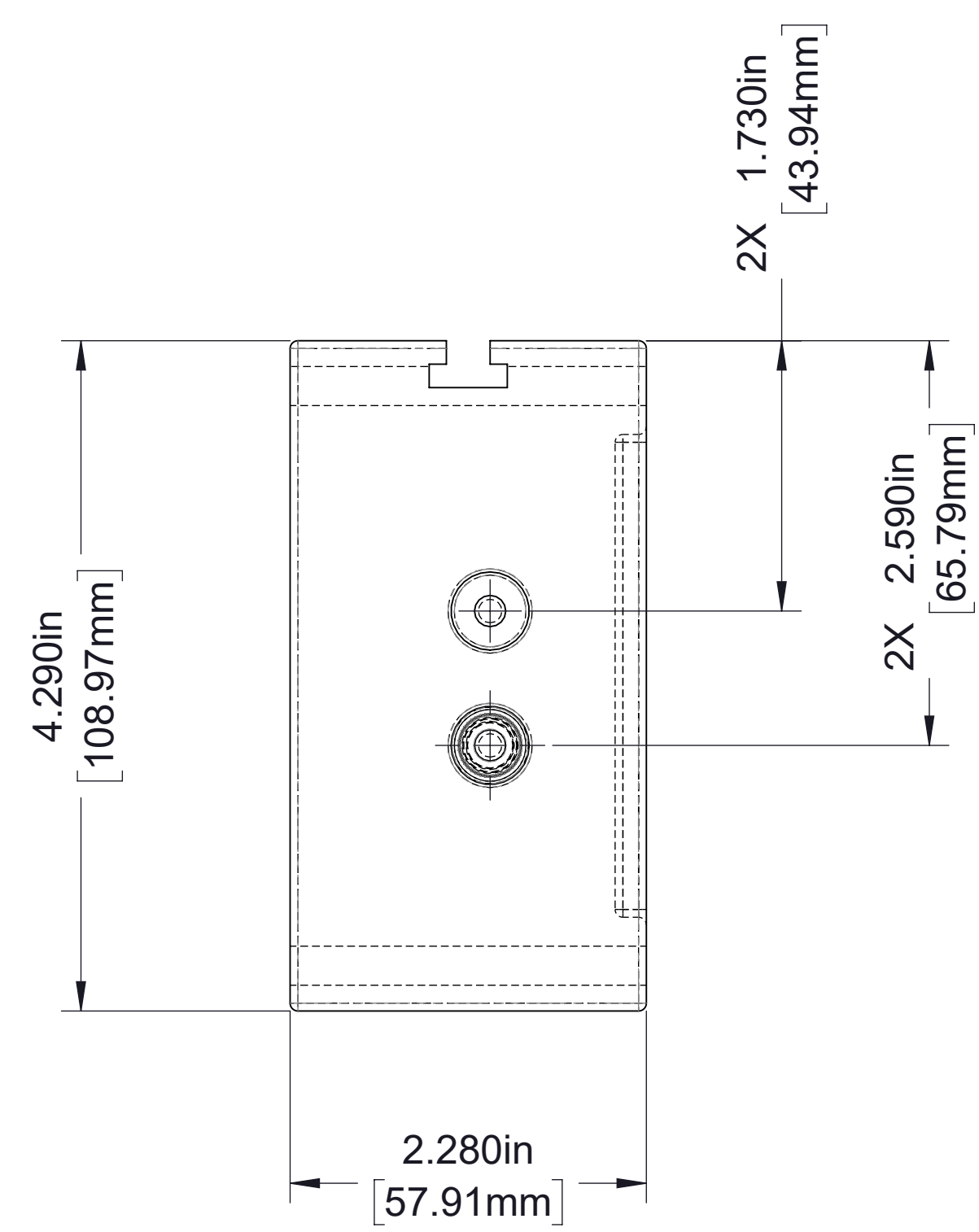
**Balance Valve**



**Serial Plate**

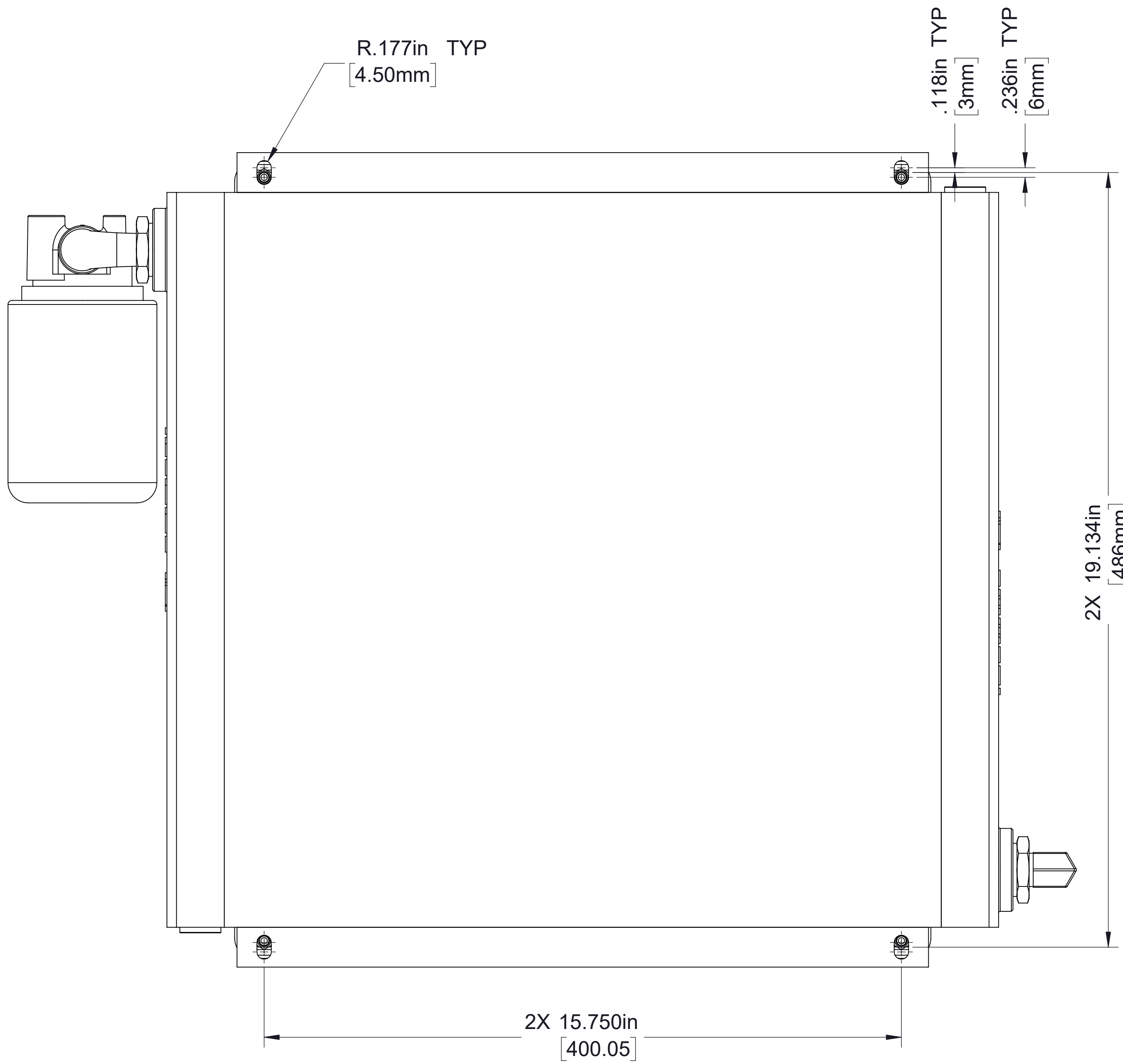
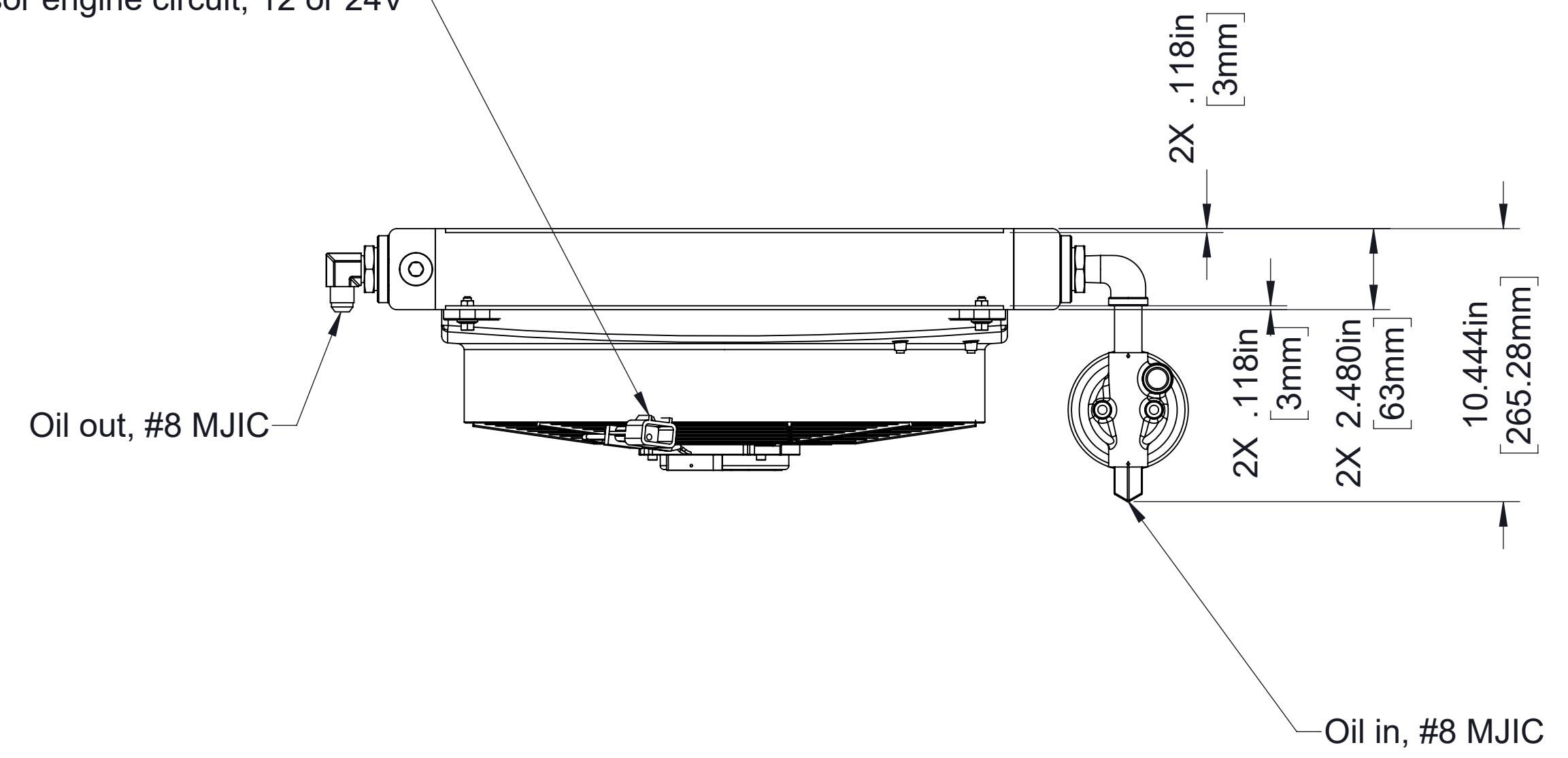
**Panel Plates**



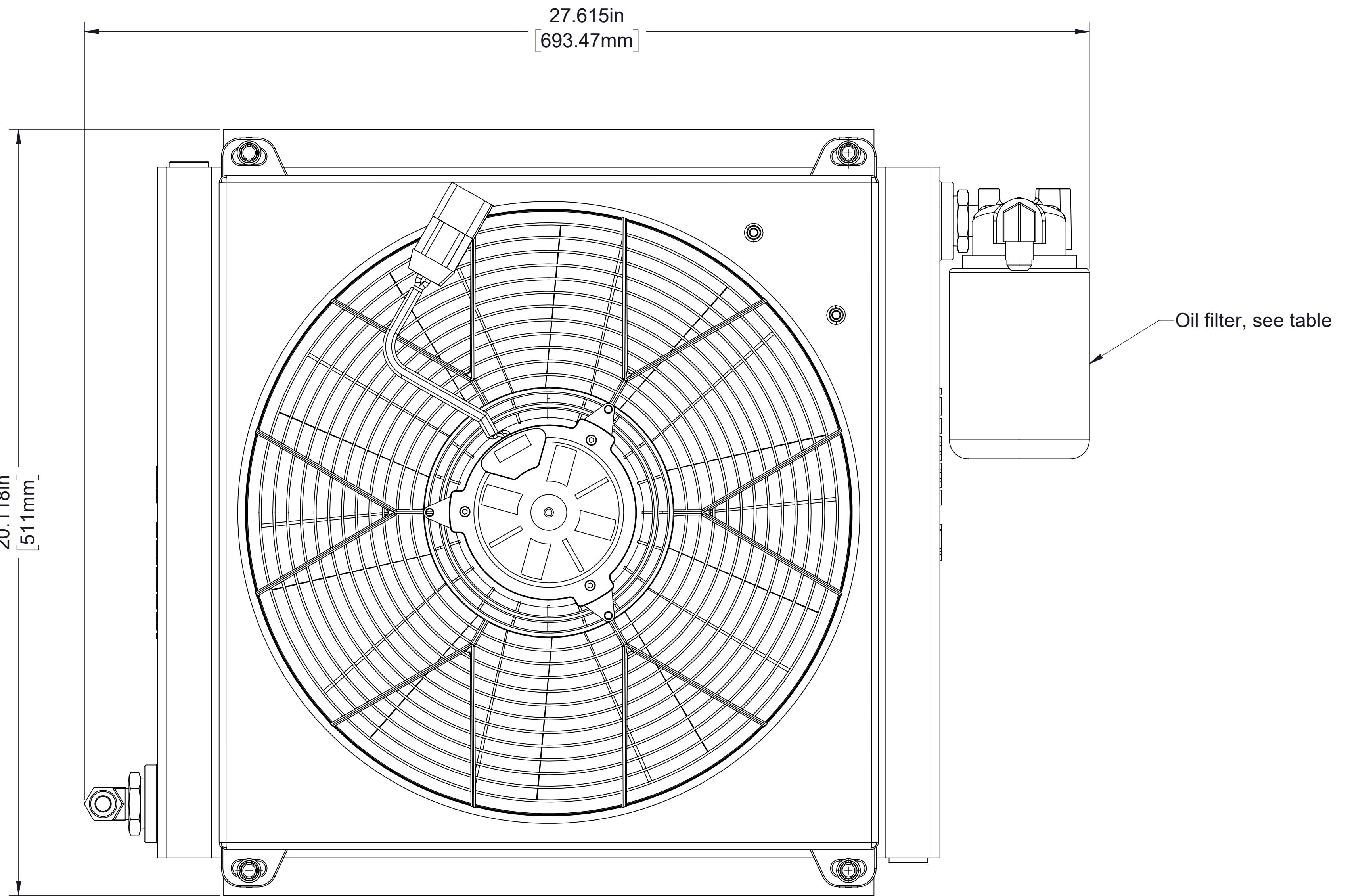


**Voltage Converter (24 volt systems only)**

Connects to CAFS compressor engine circuit, 12 or 24V



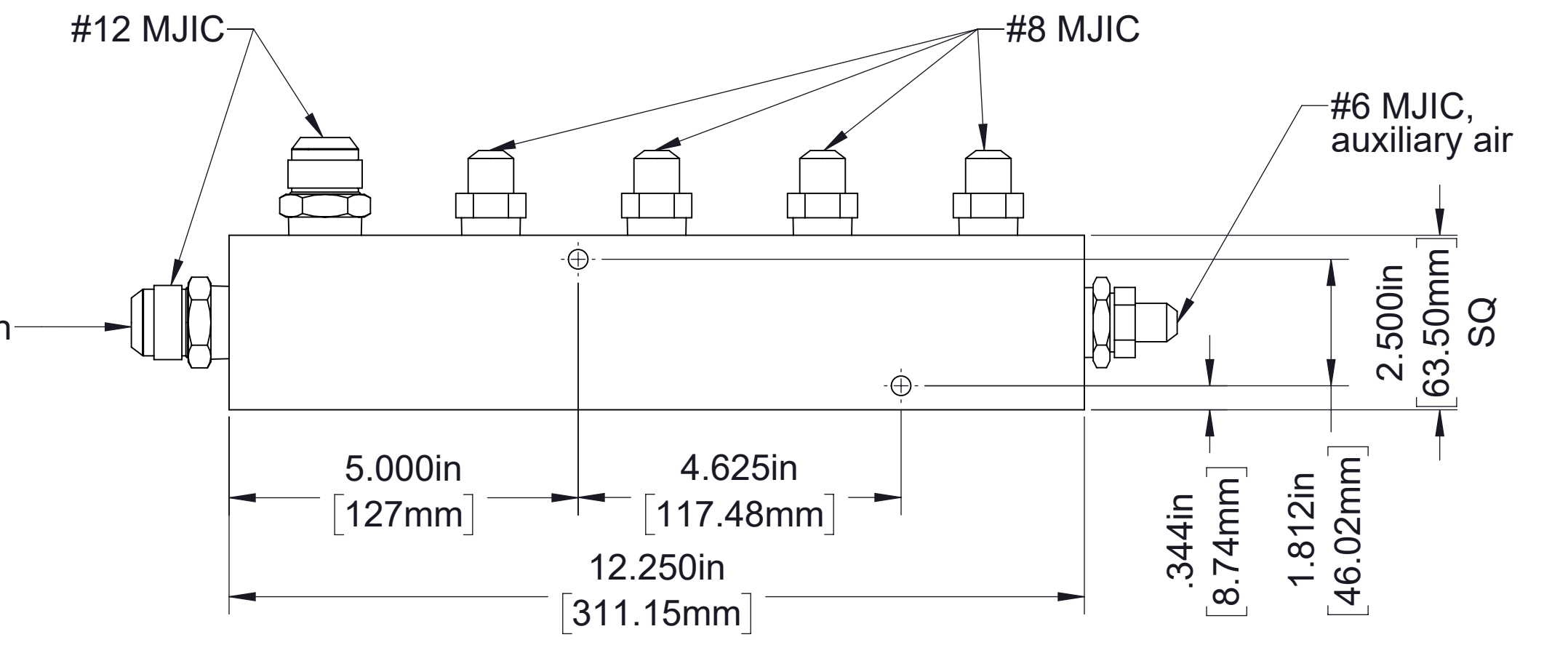
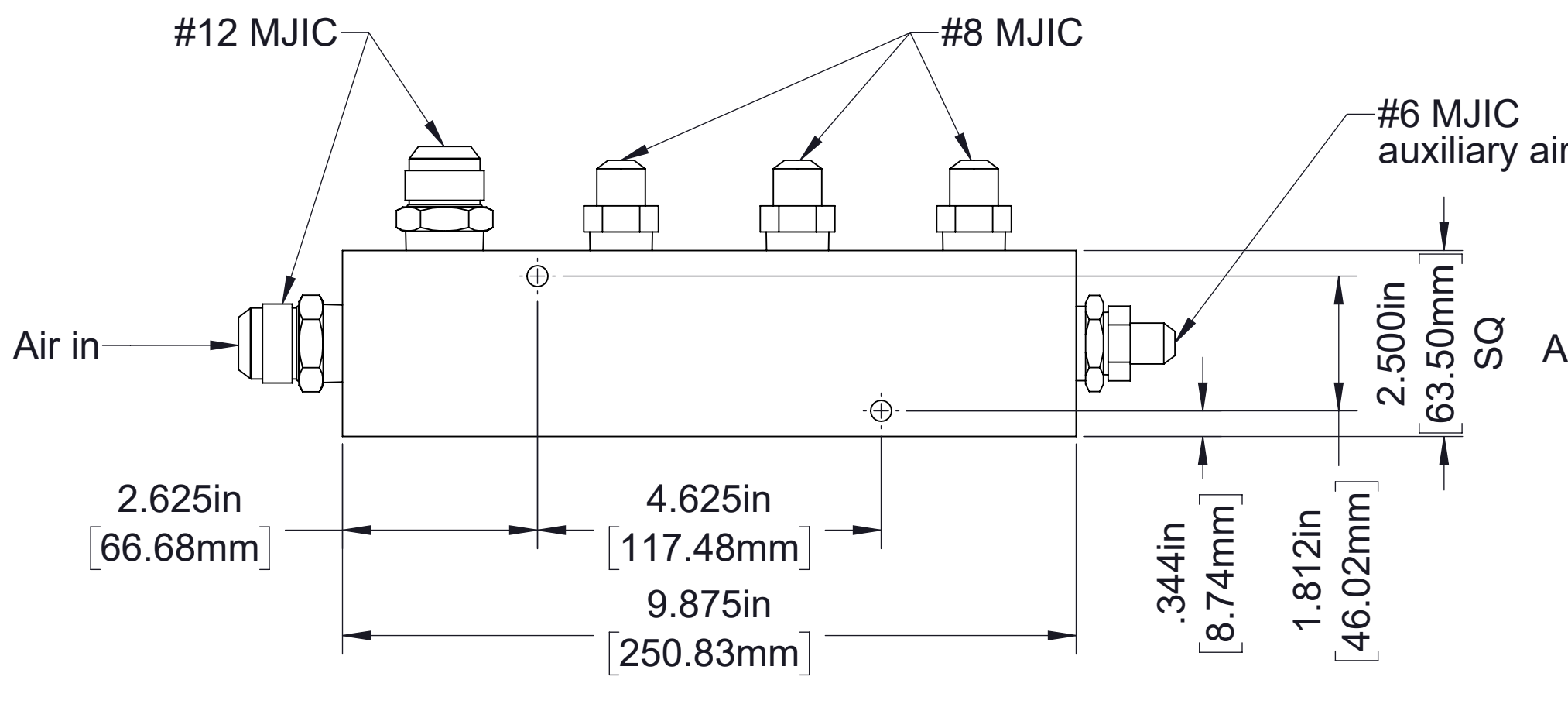
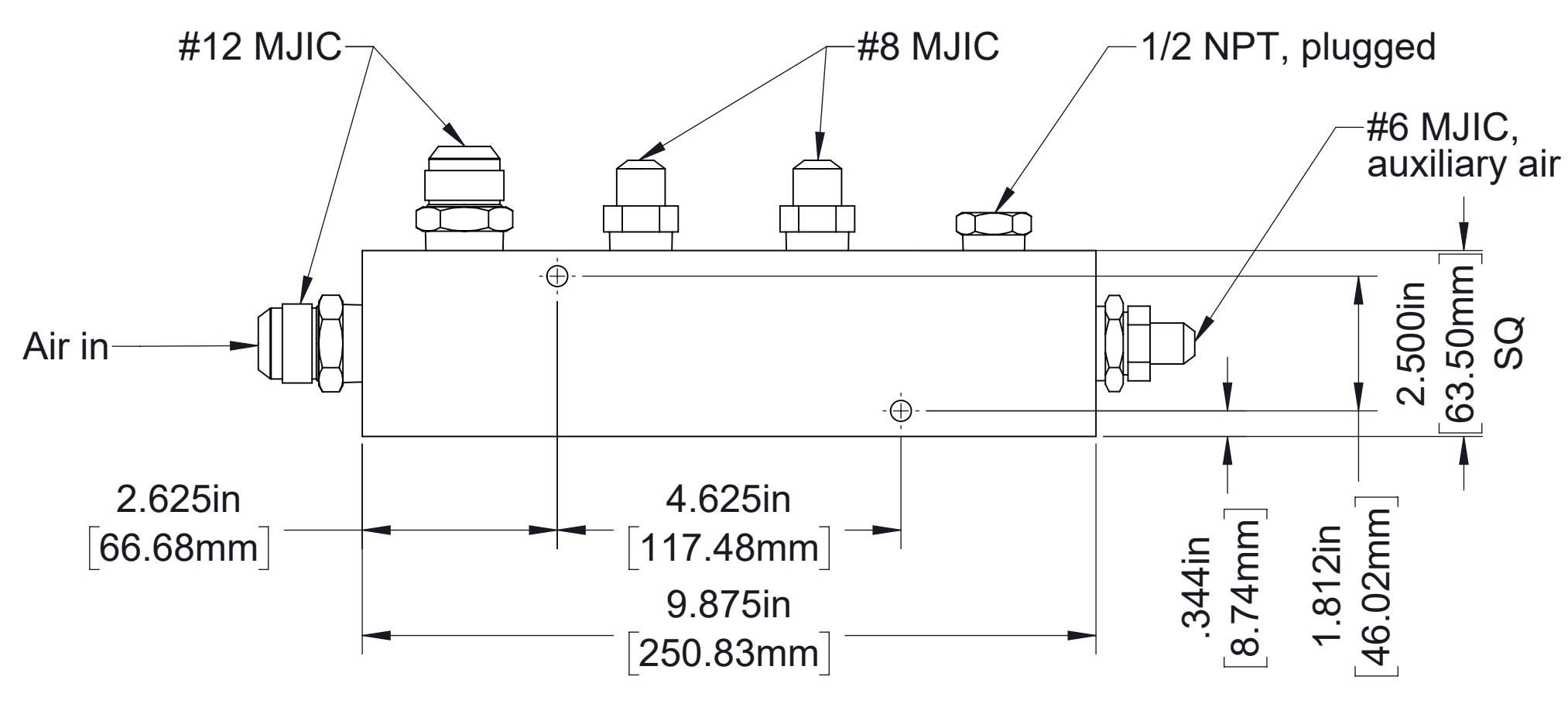
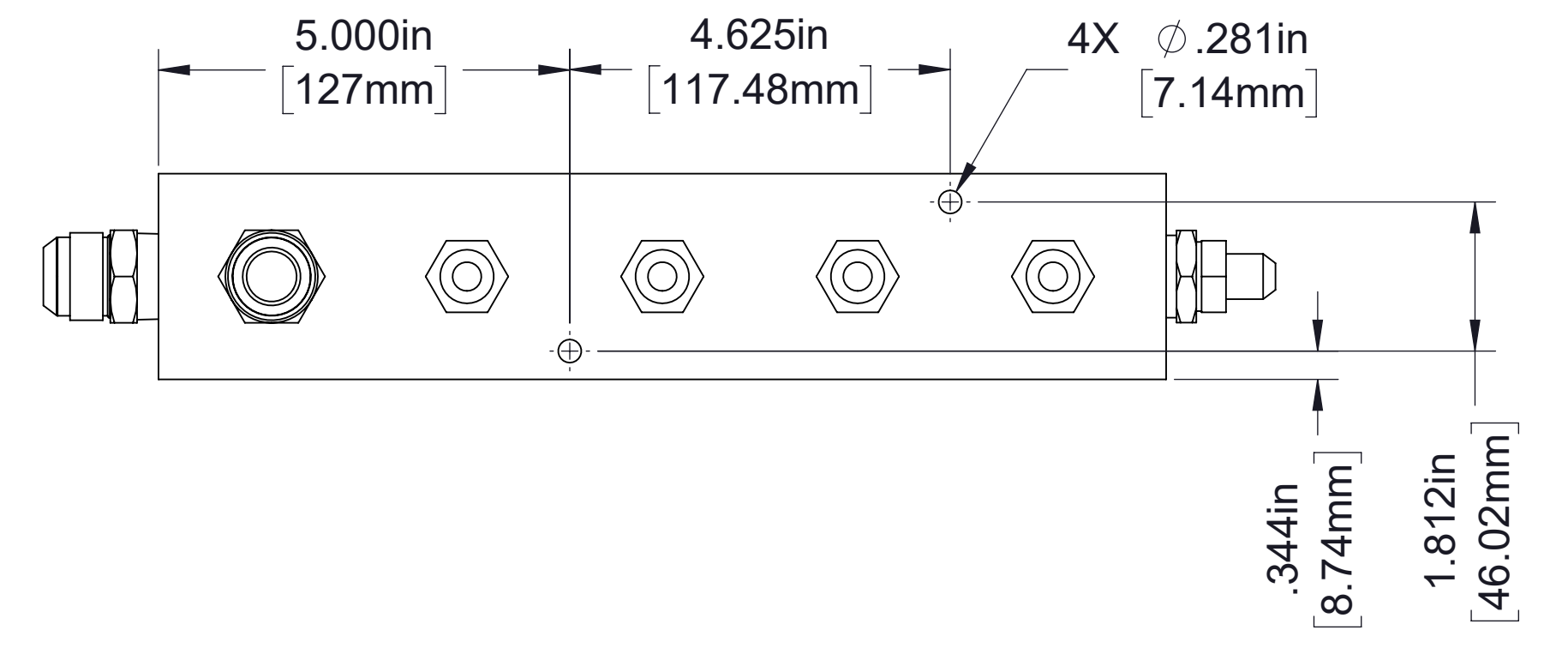
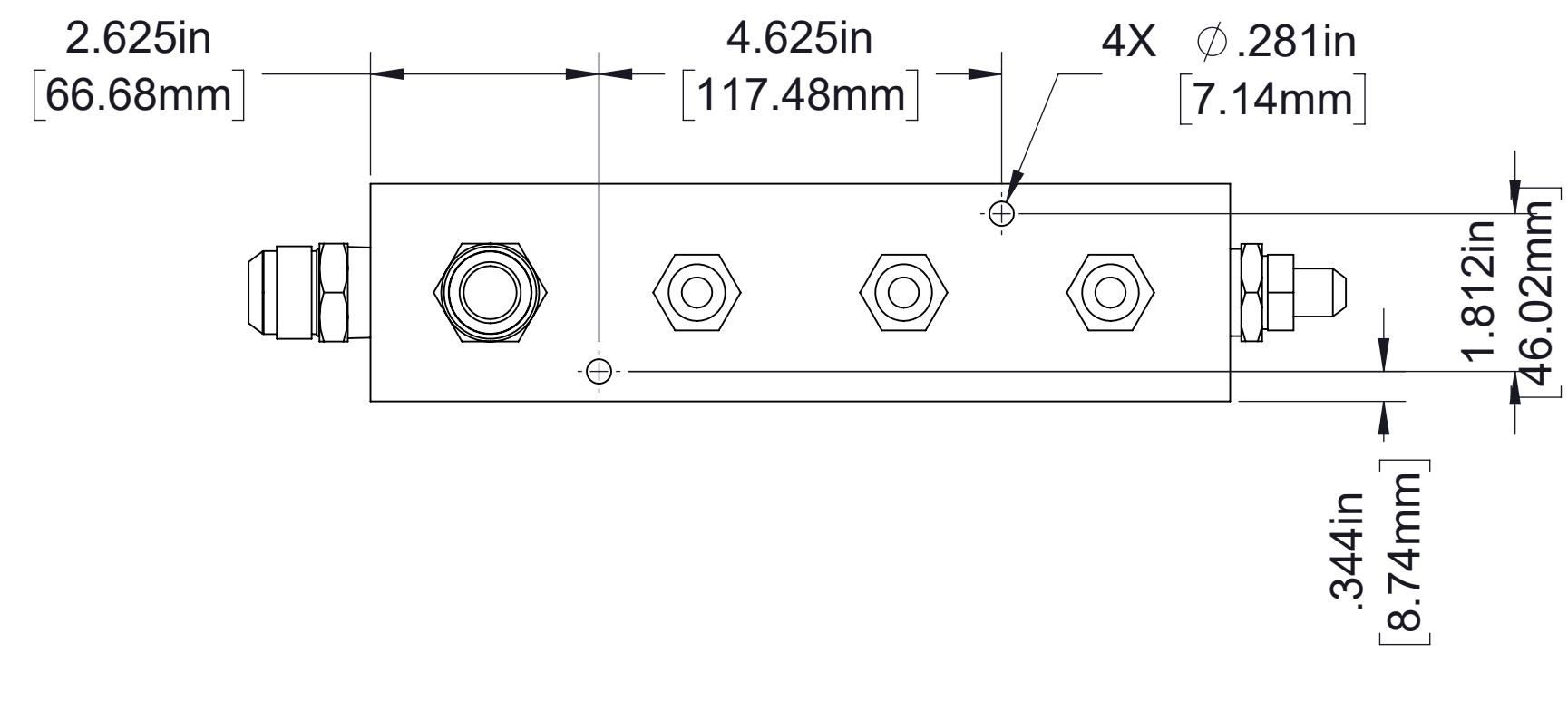
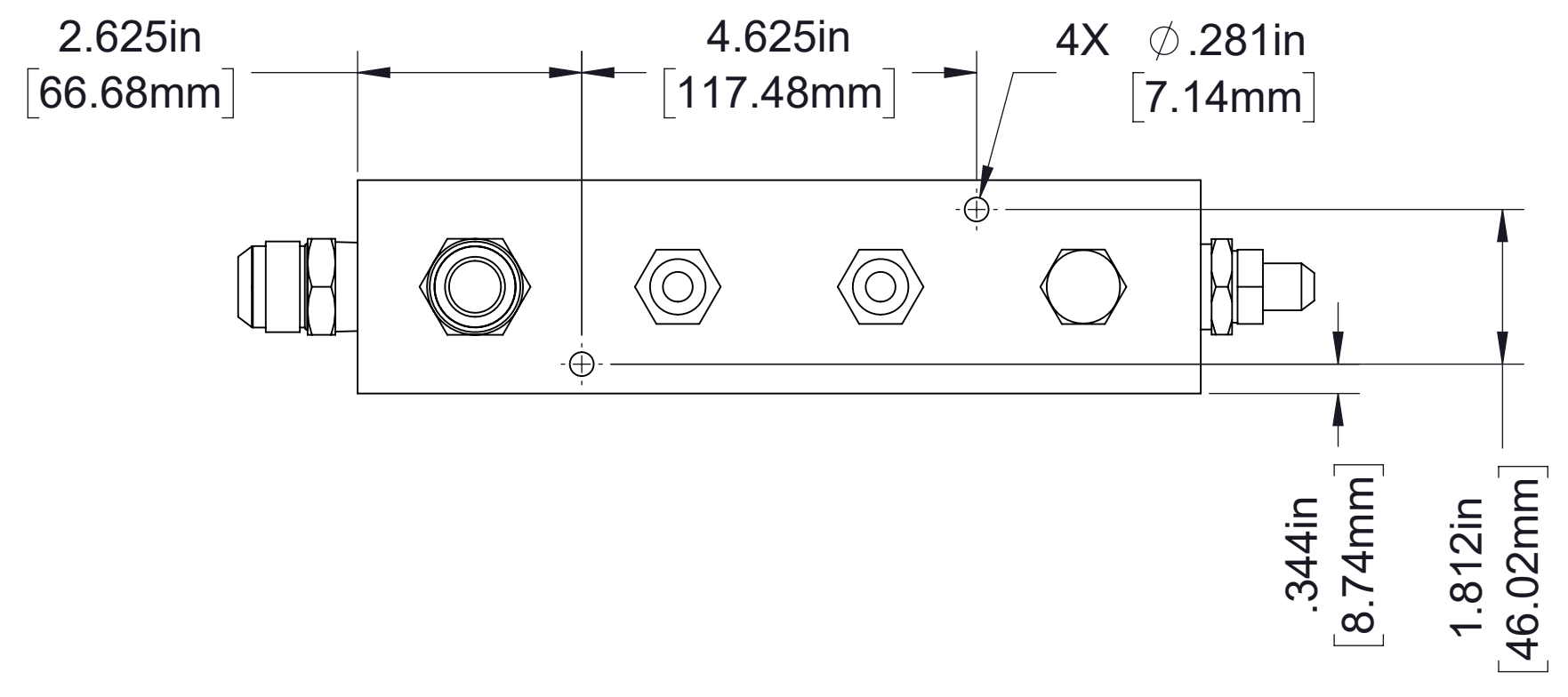
Viewed from back



**Optional Air Cooler  
(Electric Fan)**

Available as follows:

Use	Oil Filter
As main cooler	Included
As secondary cooler	Not included (included with oil cooler, see page 4)

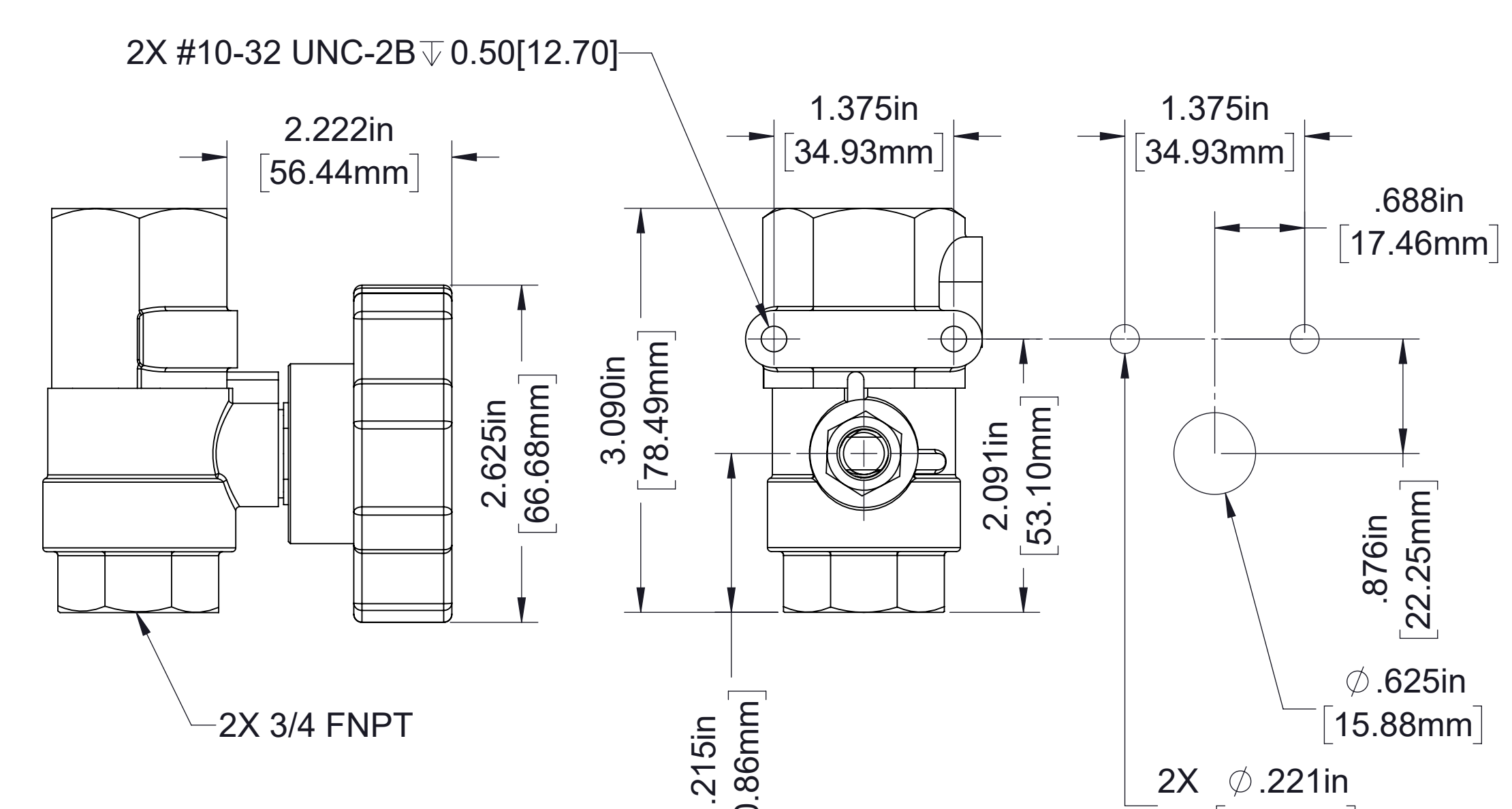
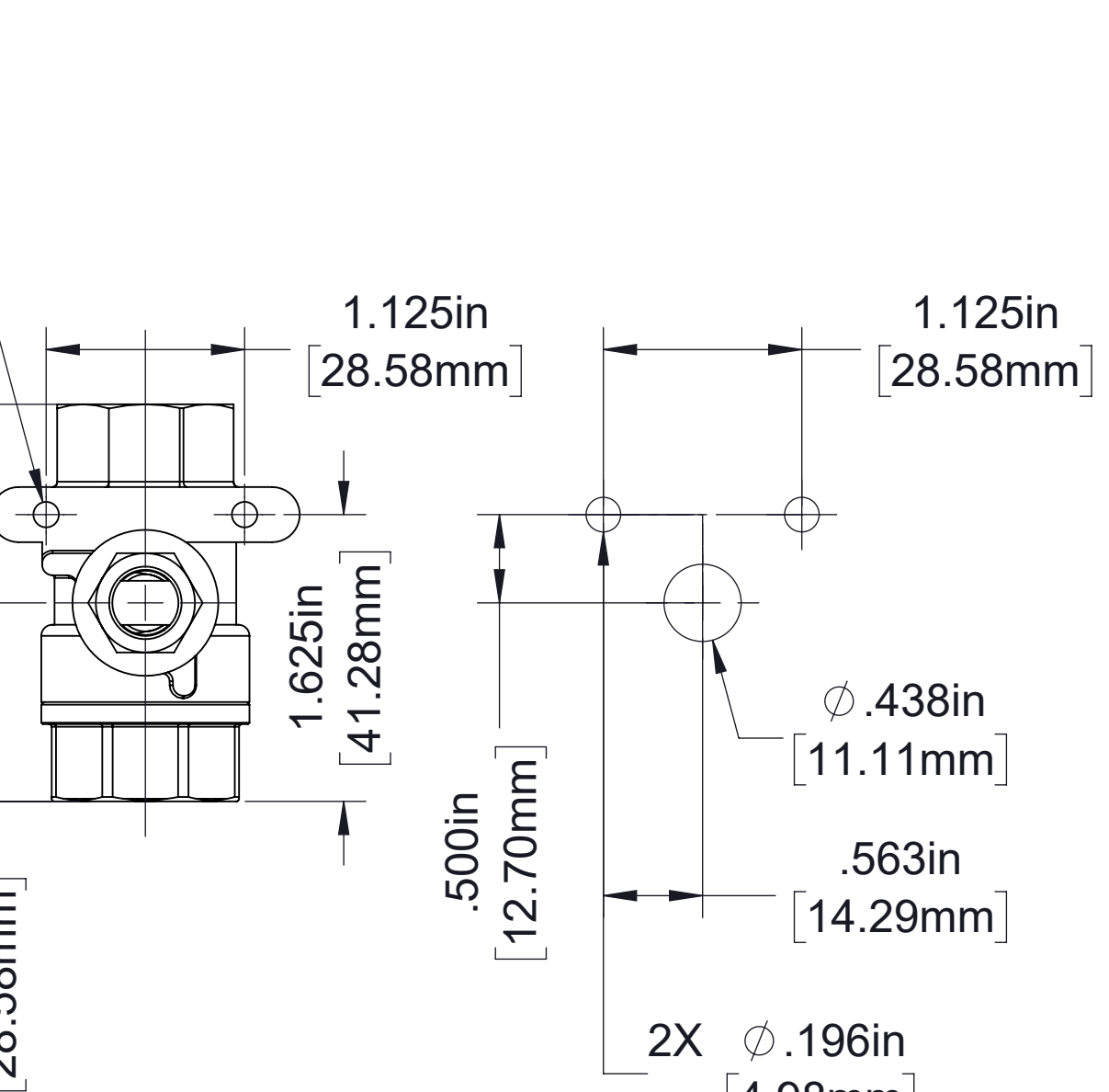
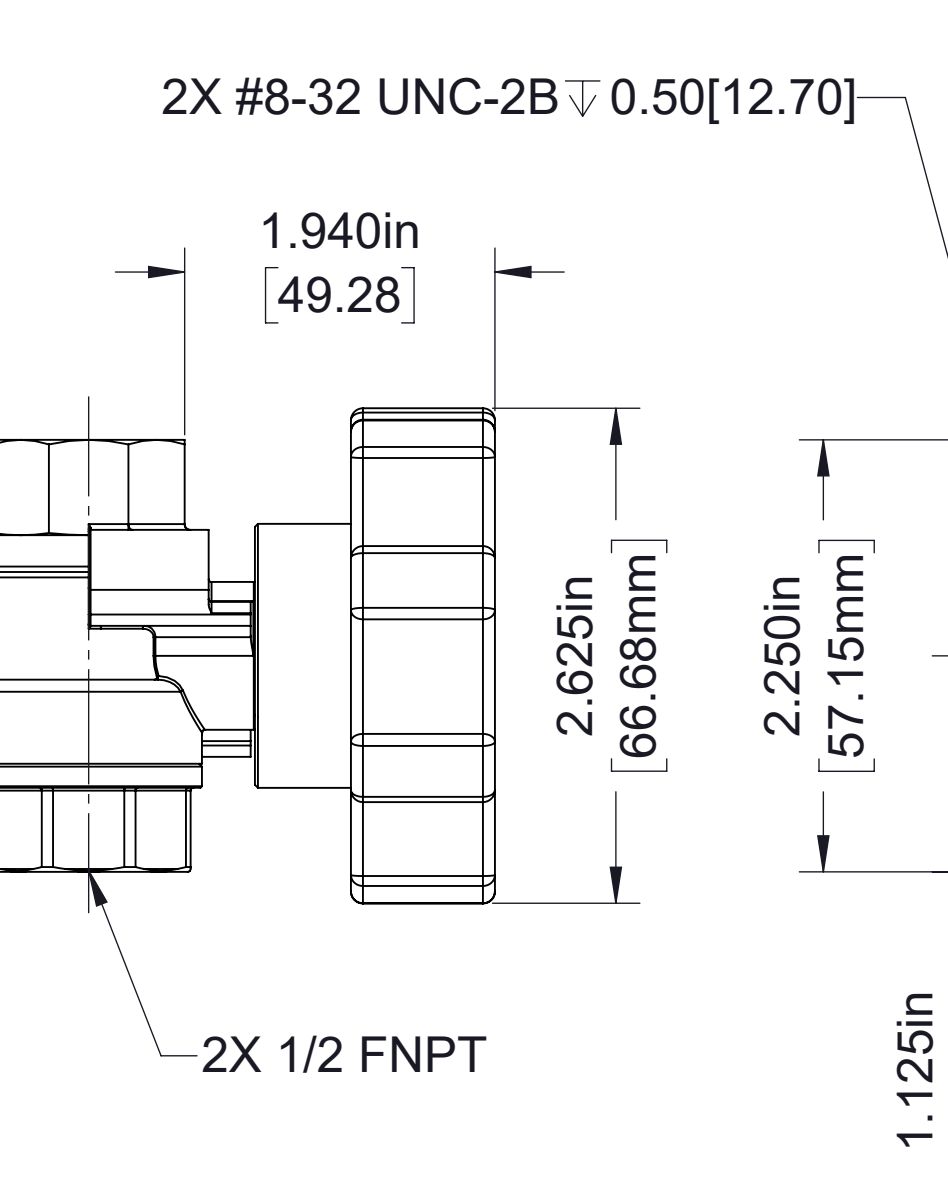
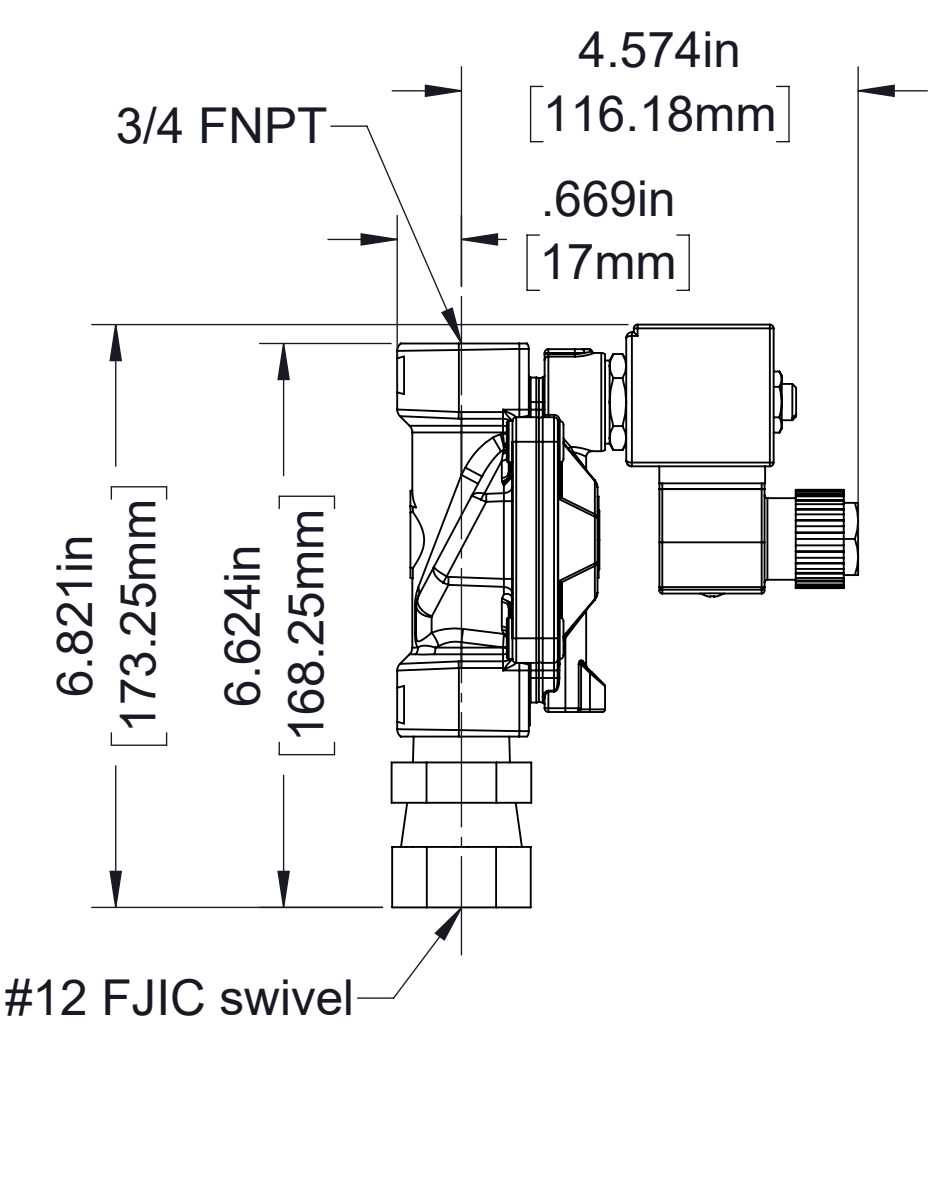
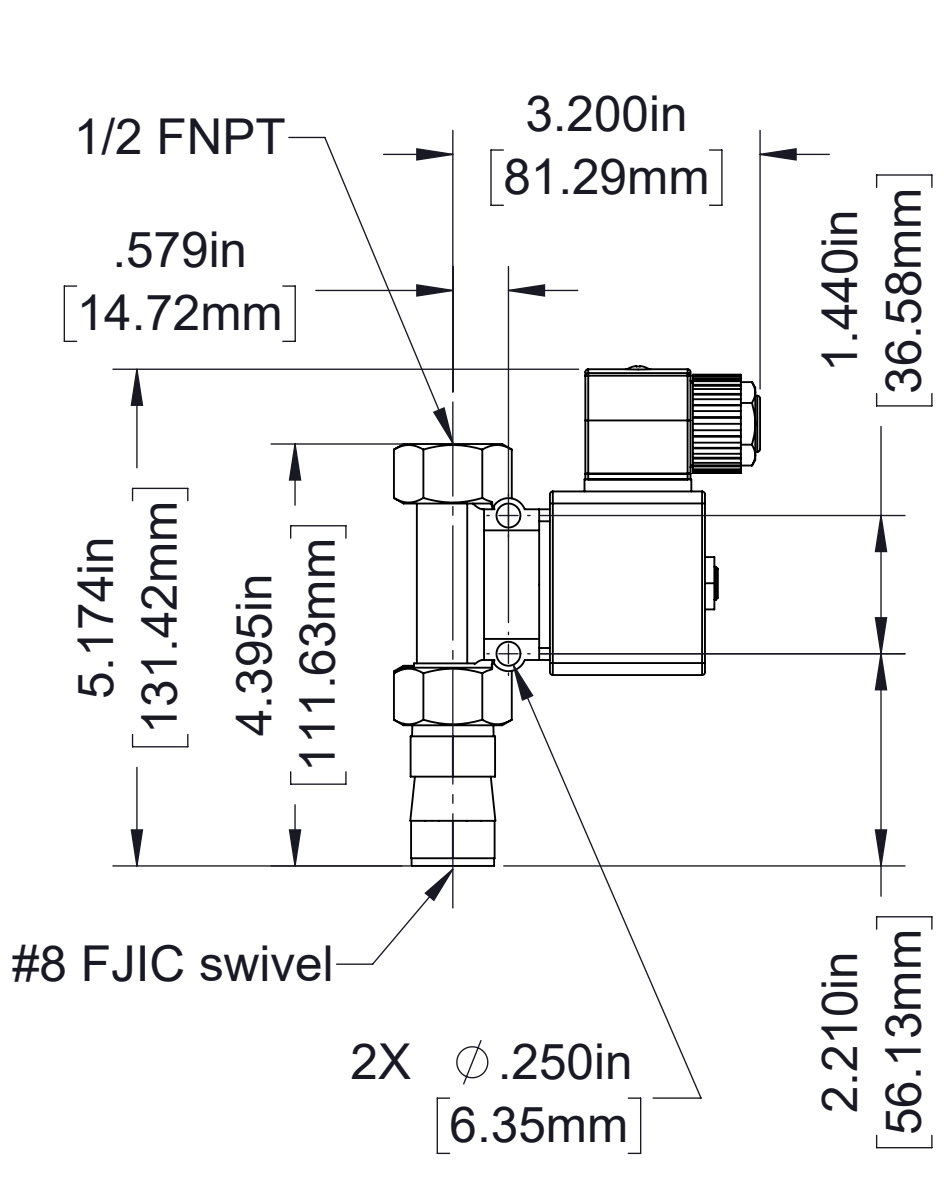


**3 Port Manifold,**  
order part number 83360-1A

**4 Port Manifold,**  
order part number 83360-1B

**5 Port Manifold,**  
order part number 83360-1C

## Optional Air Distribution Manifold



**1/2 in**

**3/4 in**

**1/2 in**

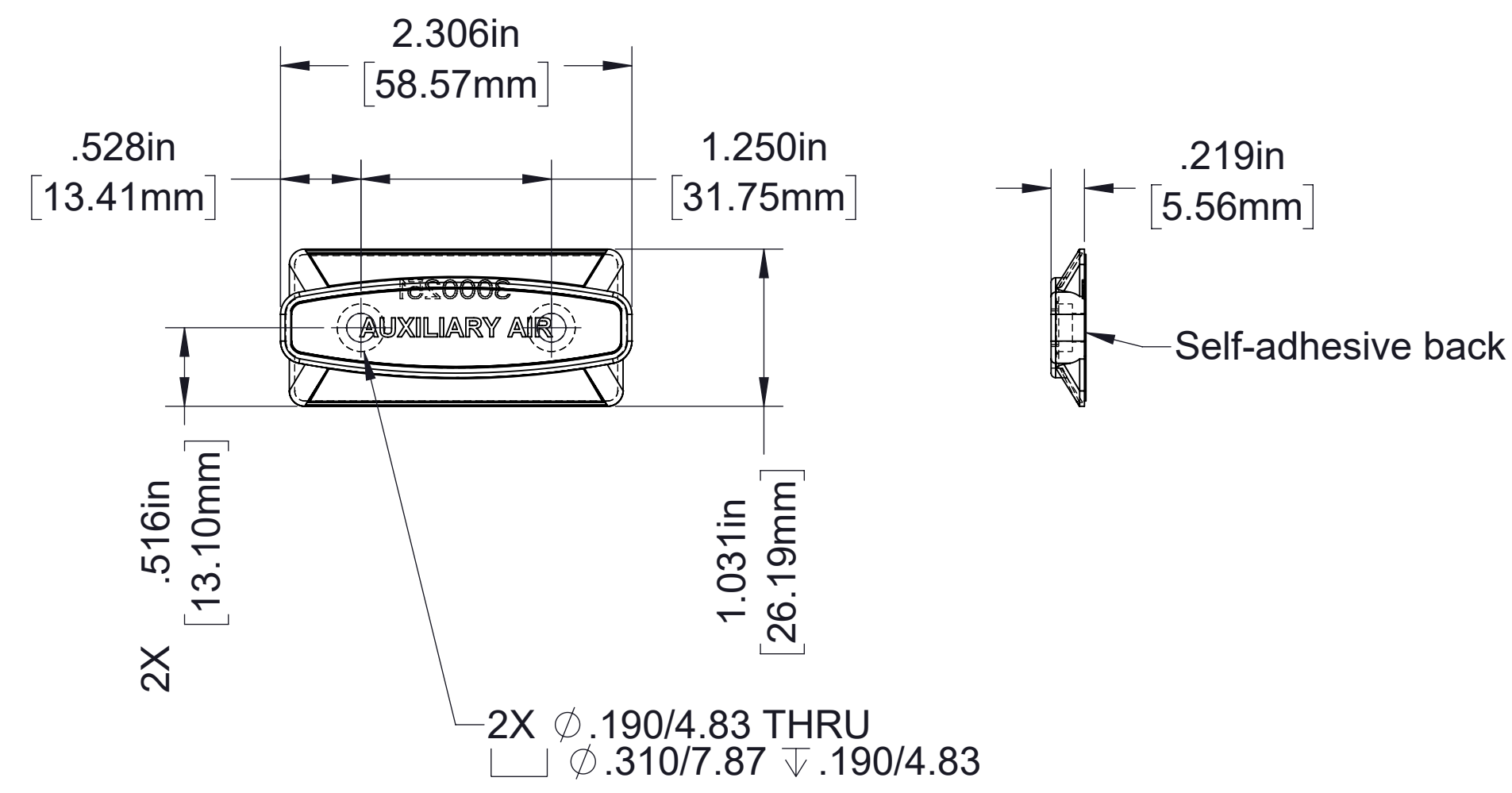
**3/4 in**

**Electric**

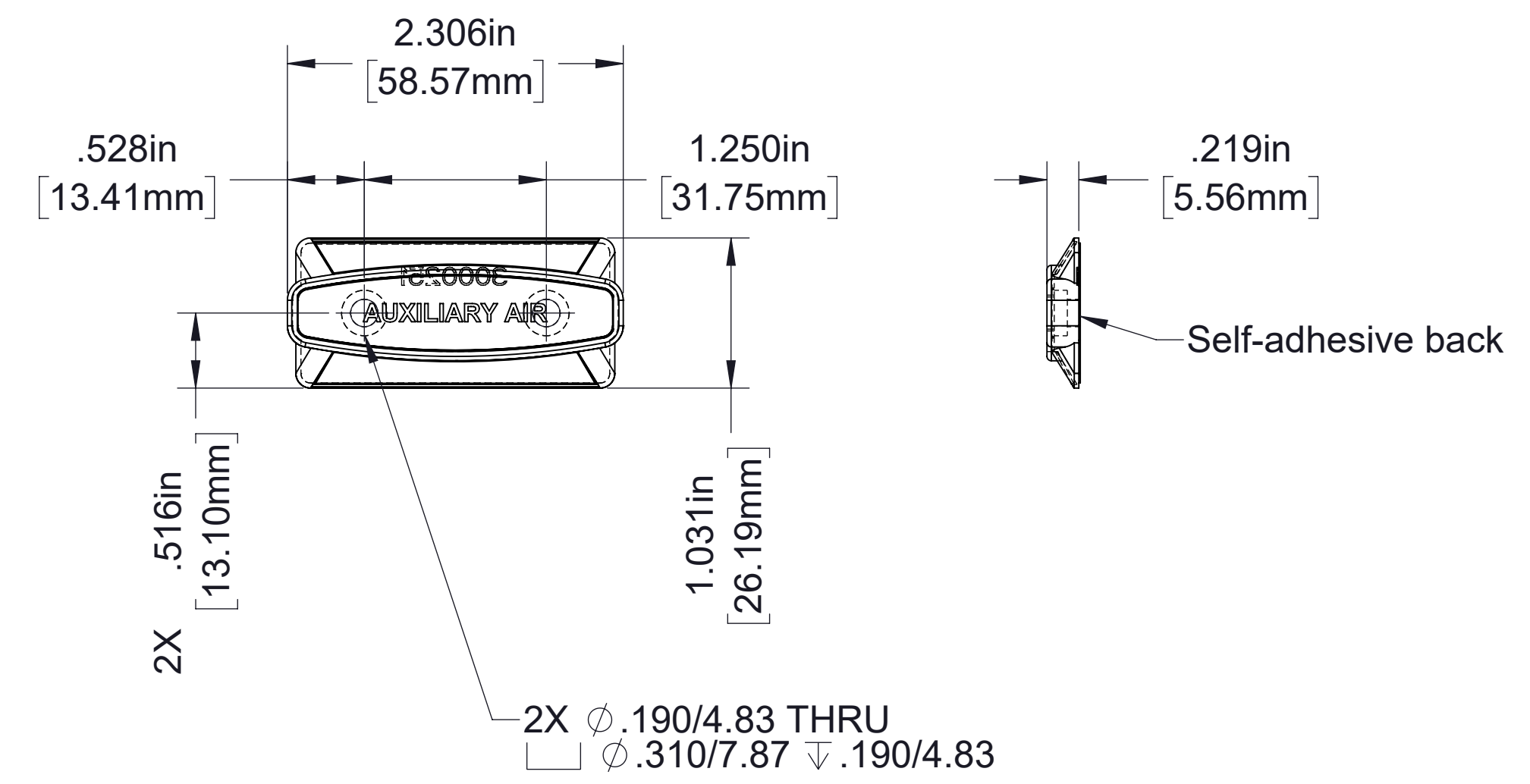
**Manual**

## Optional Air Valves

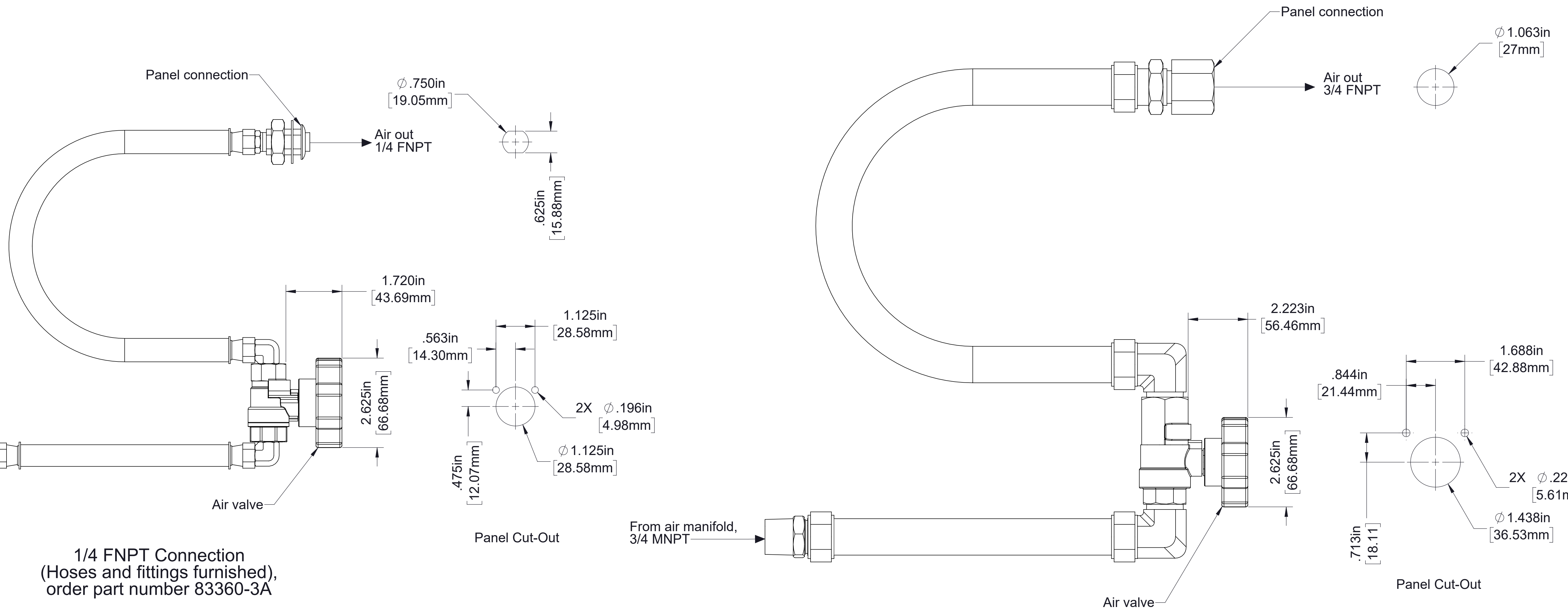




Label



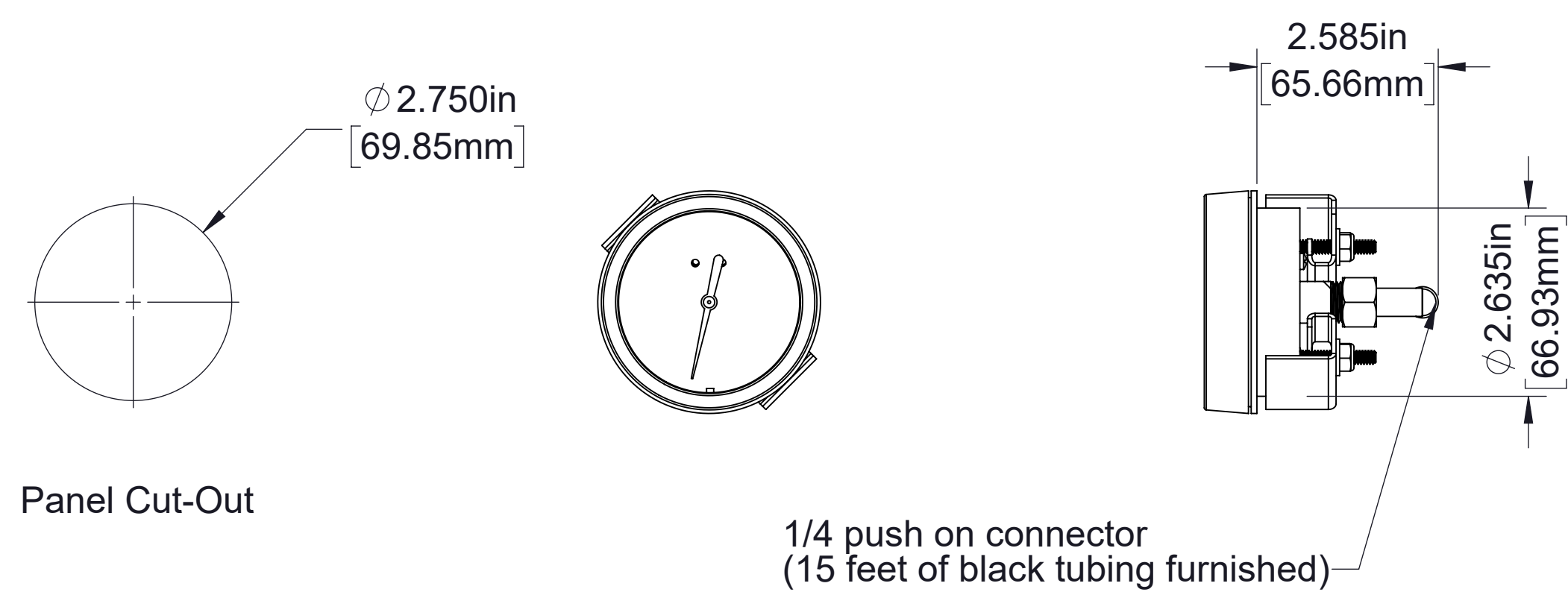
Label



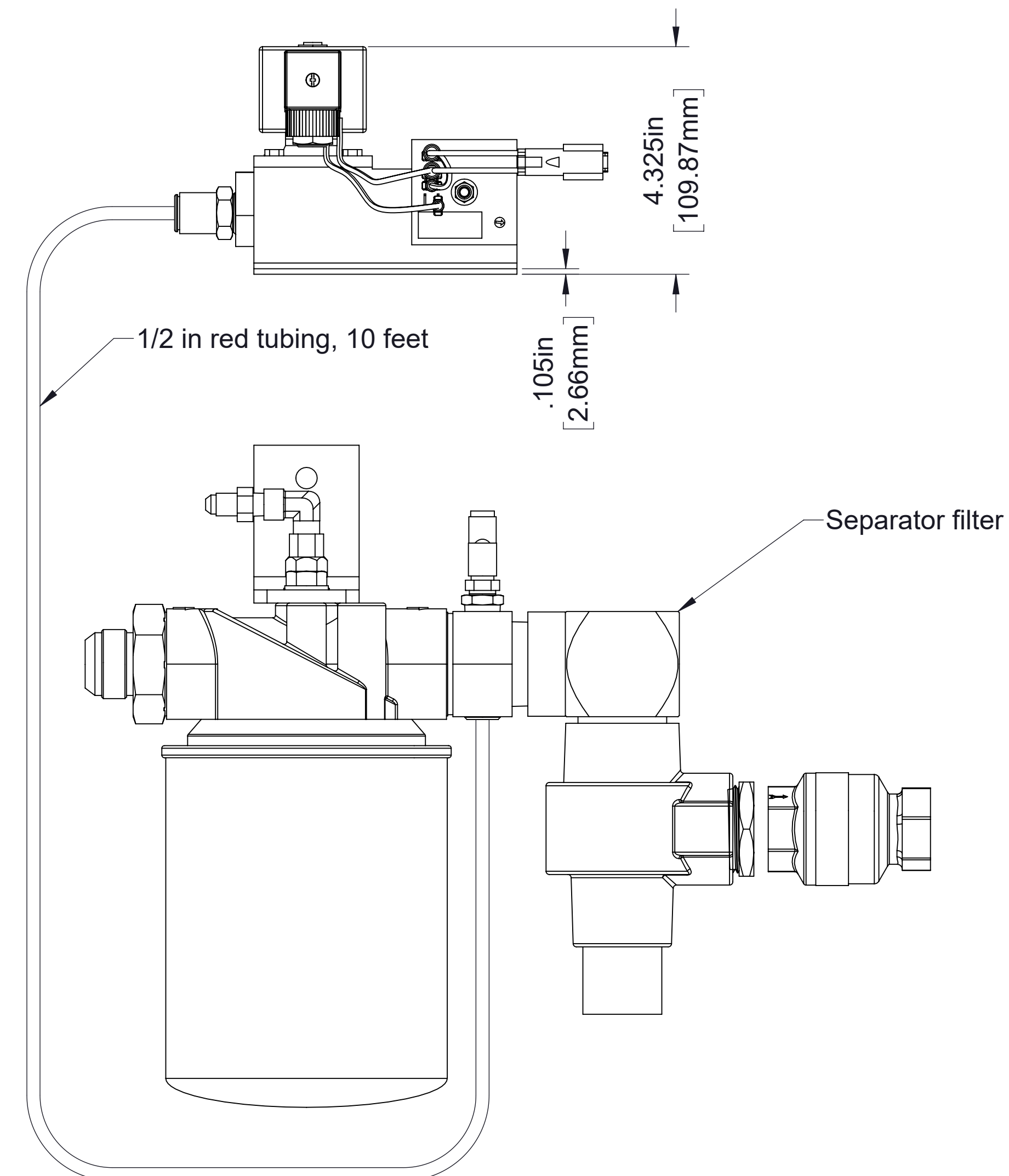
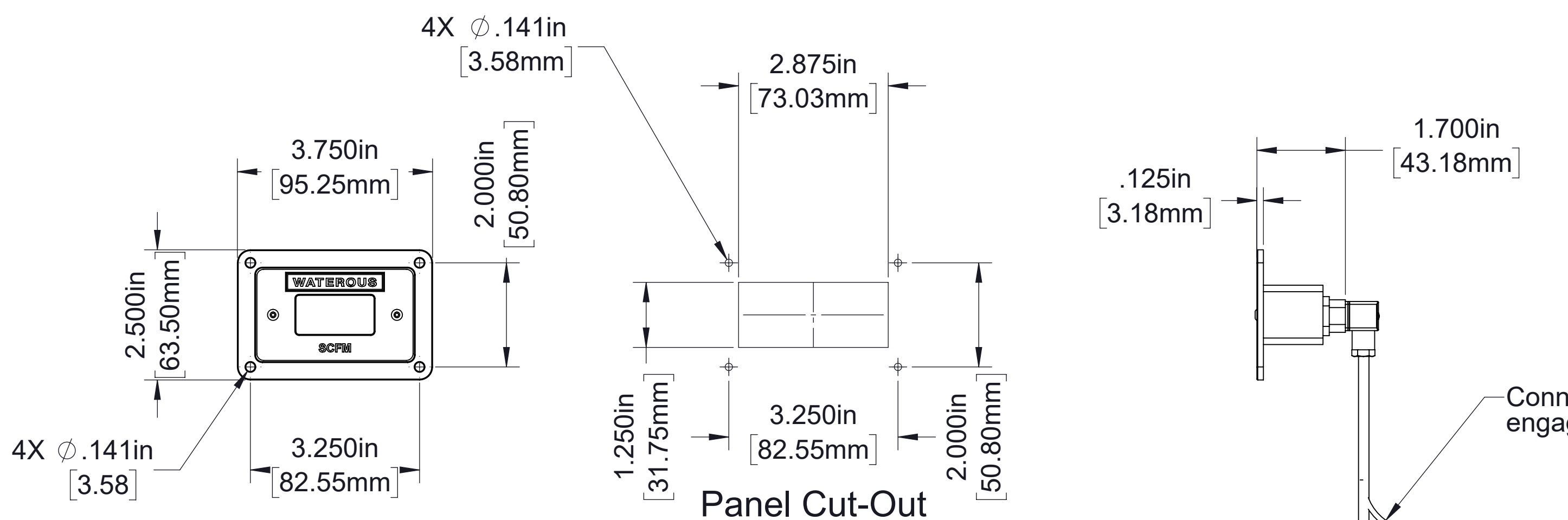
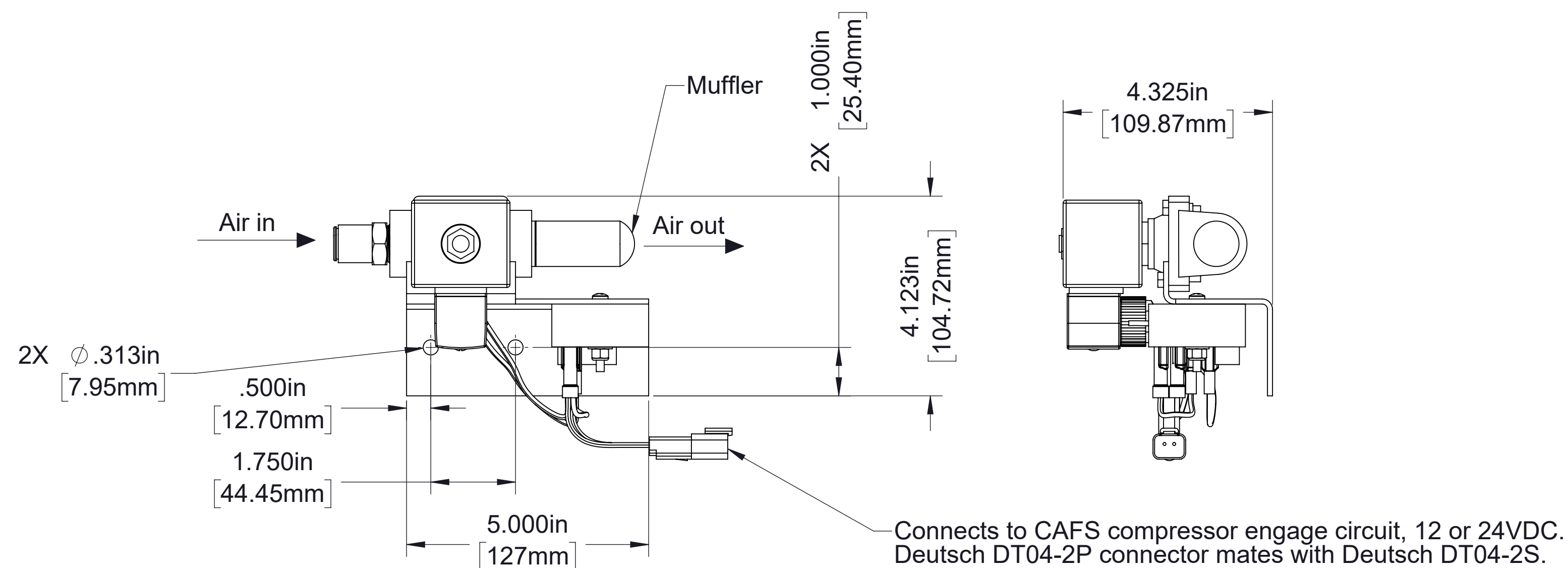
1/4 FNPT Connection  
(Hoses and fittings furnished),  
order part number 83360-3A

3/4 FNPT Connection  
(Hoses and fittings furnished),  
order part number 83360-3B

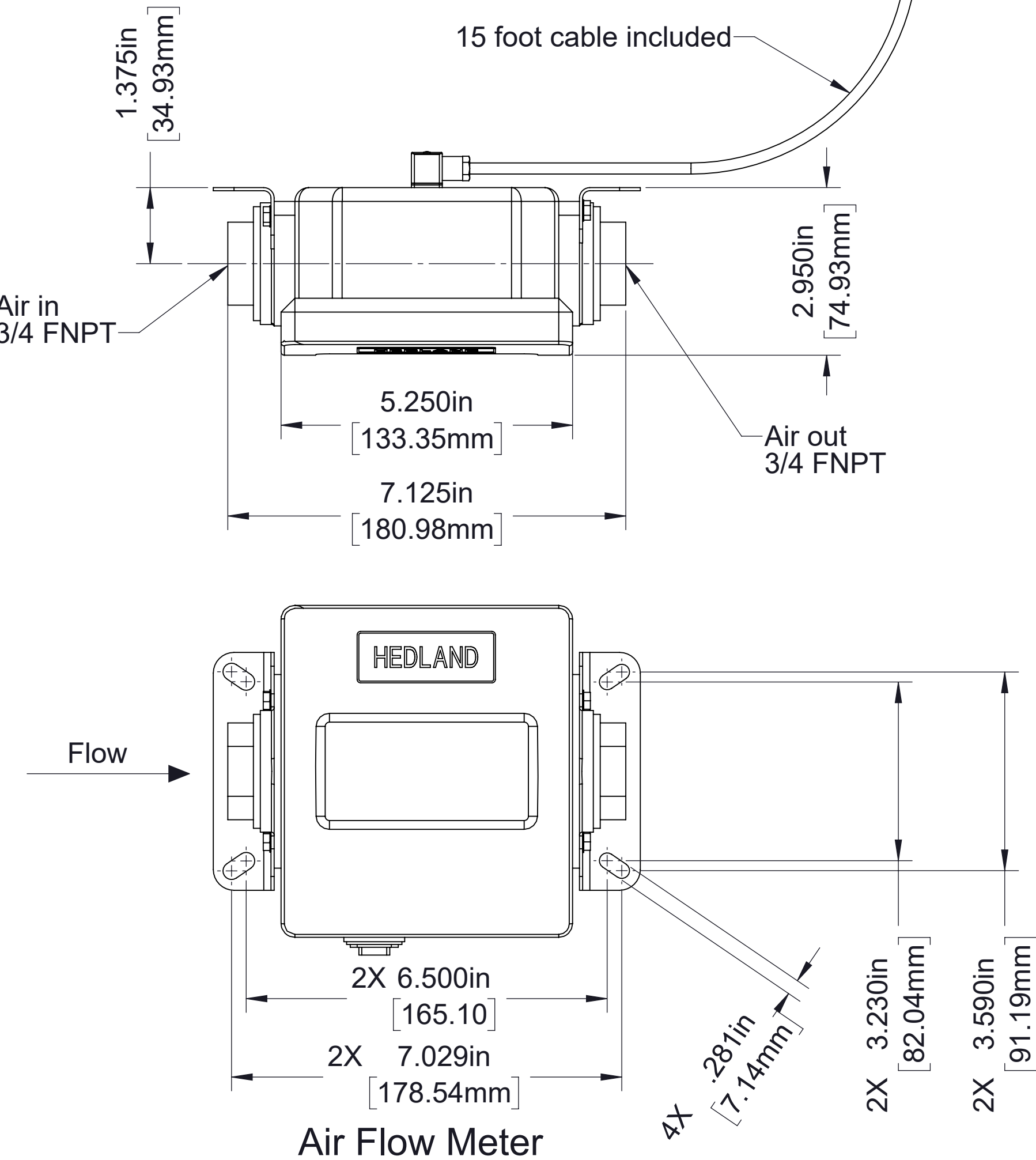
**Optional Auxiliary Air Connection**



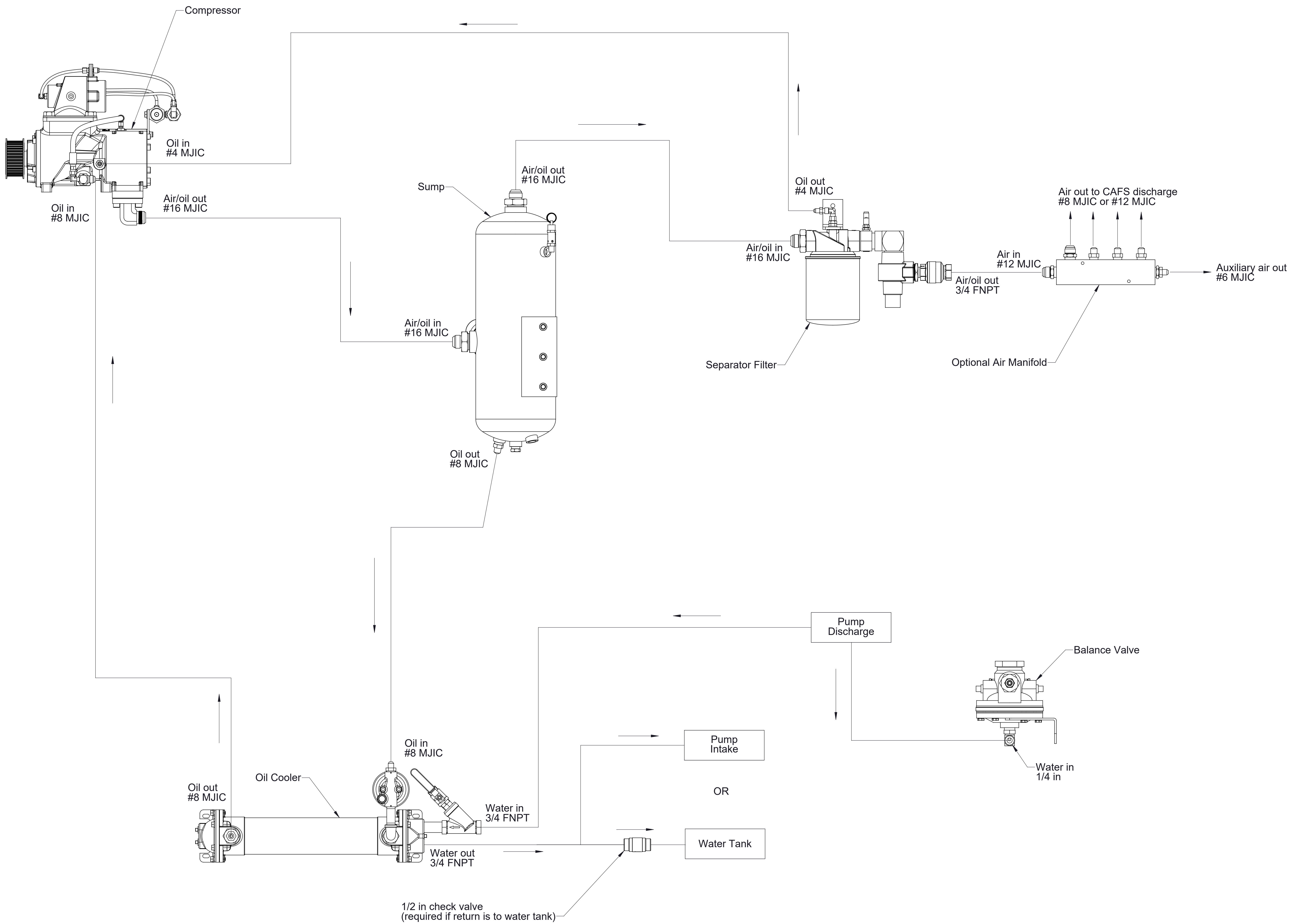
**Optional Air Pressure Gauge**  
Single Mpa scale order part number 83417-1A  
Dual PSI/Kpa scale order part number 83417-1B



**Optional Sump Vent**  
Vents compressor pressure for 10 seconds at startup to prevent engine stalling, order part number 83293-2A (12V) or 83293-2B (24V)

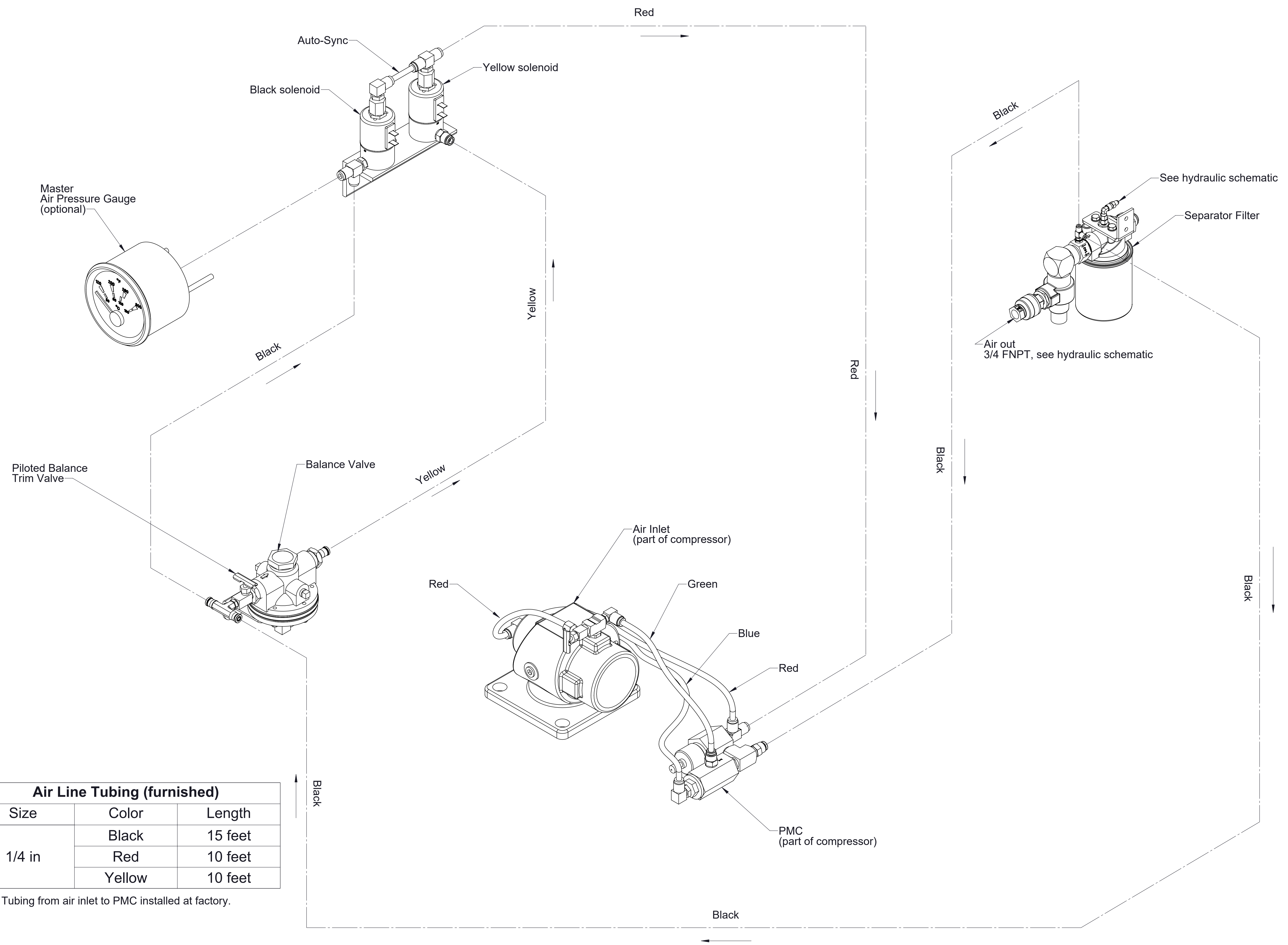


**Optional Digital Air Flow Meter**  
Order part number Q-0390024, 12V



**Hydraulic Schematic**



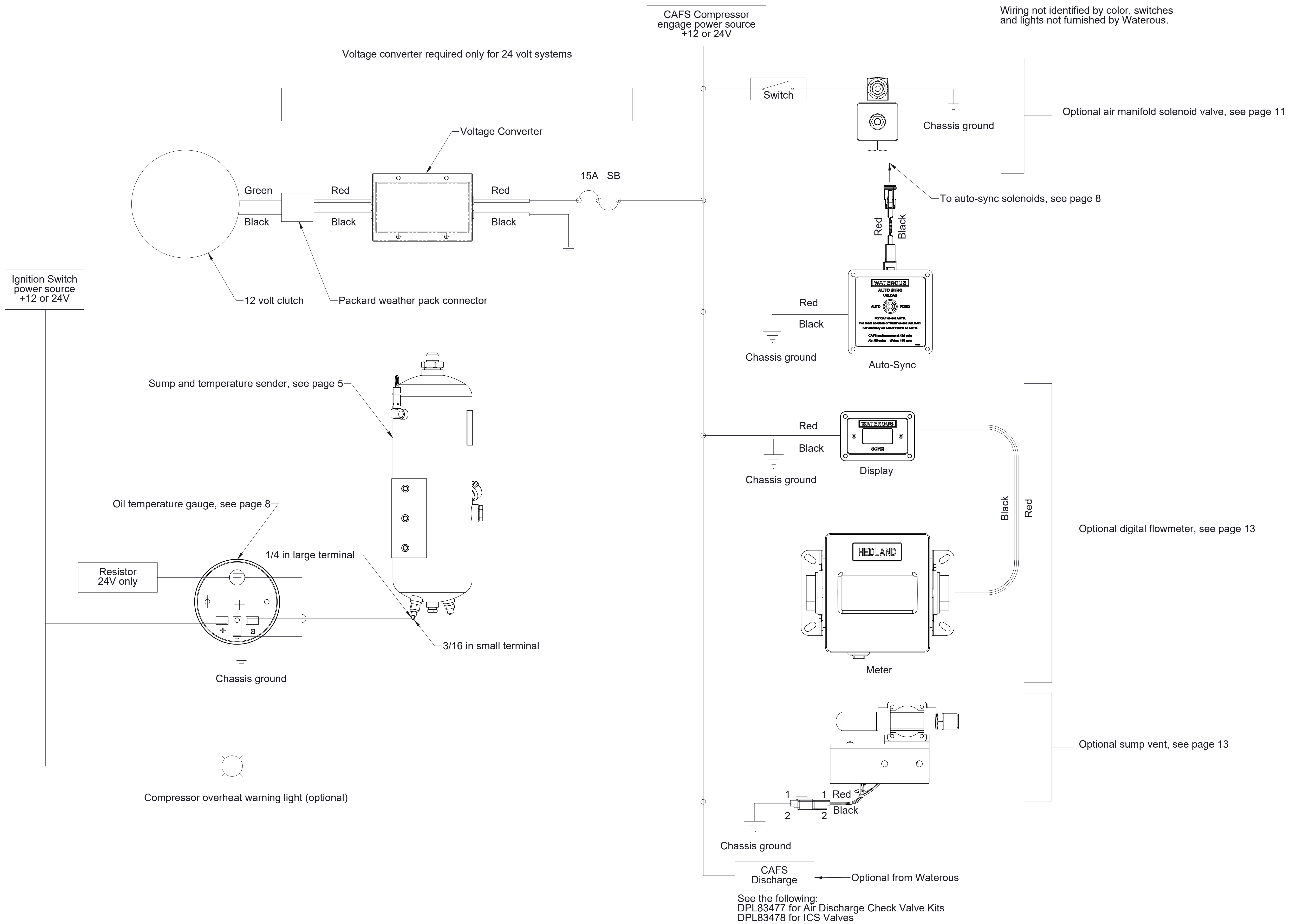


Air Line Tubing (furnished)		
Size	Color	Length
1/4 in	Black	15 feet
	Red	10 feet
	Yellow	10 feet

Note: Tubing from air inlet to PMC installed at factory.

----- Installed by OEM

Air Circuit Schematic



Notes:  
 1. Wiring and light not furnished by Waterous.  
 2. All wire 16 gauge unless noted otherwise.

**Electrical Schematic**