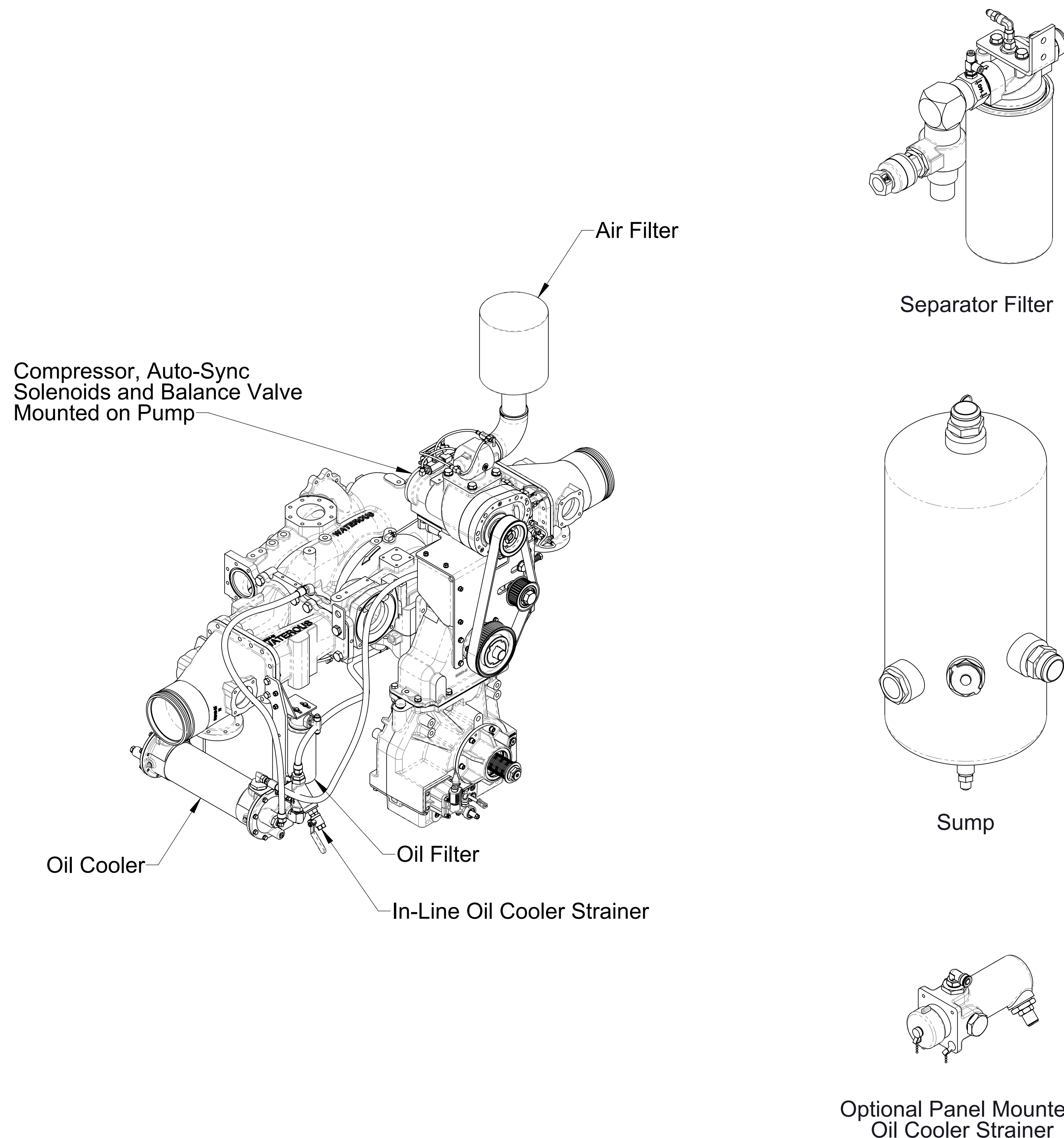


## Model 150-D CAFS as used with CM and CS Fire Pumps Dimensional Drawings

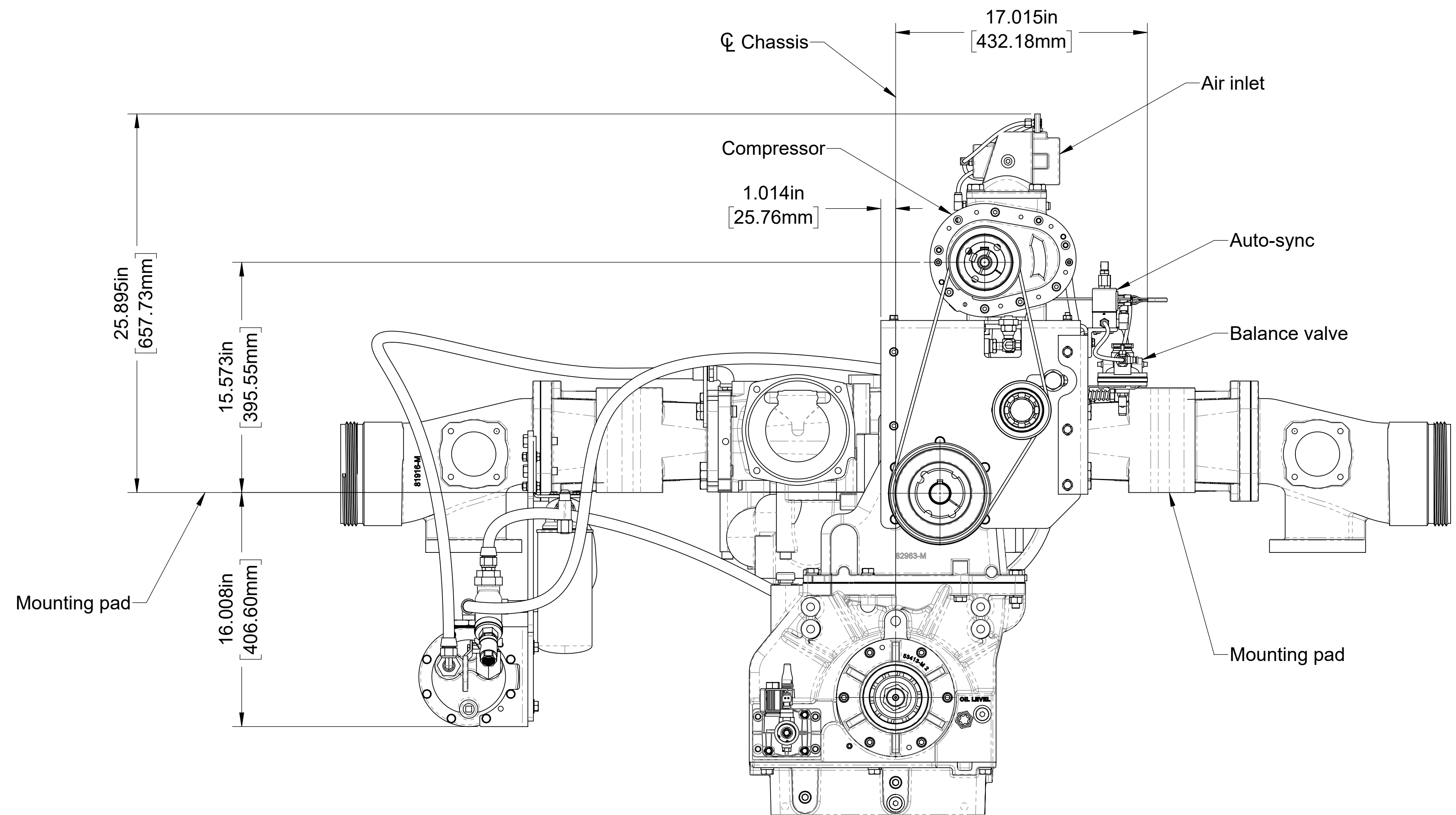
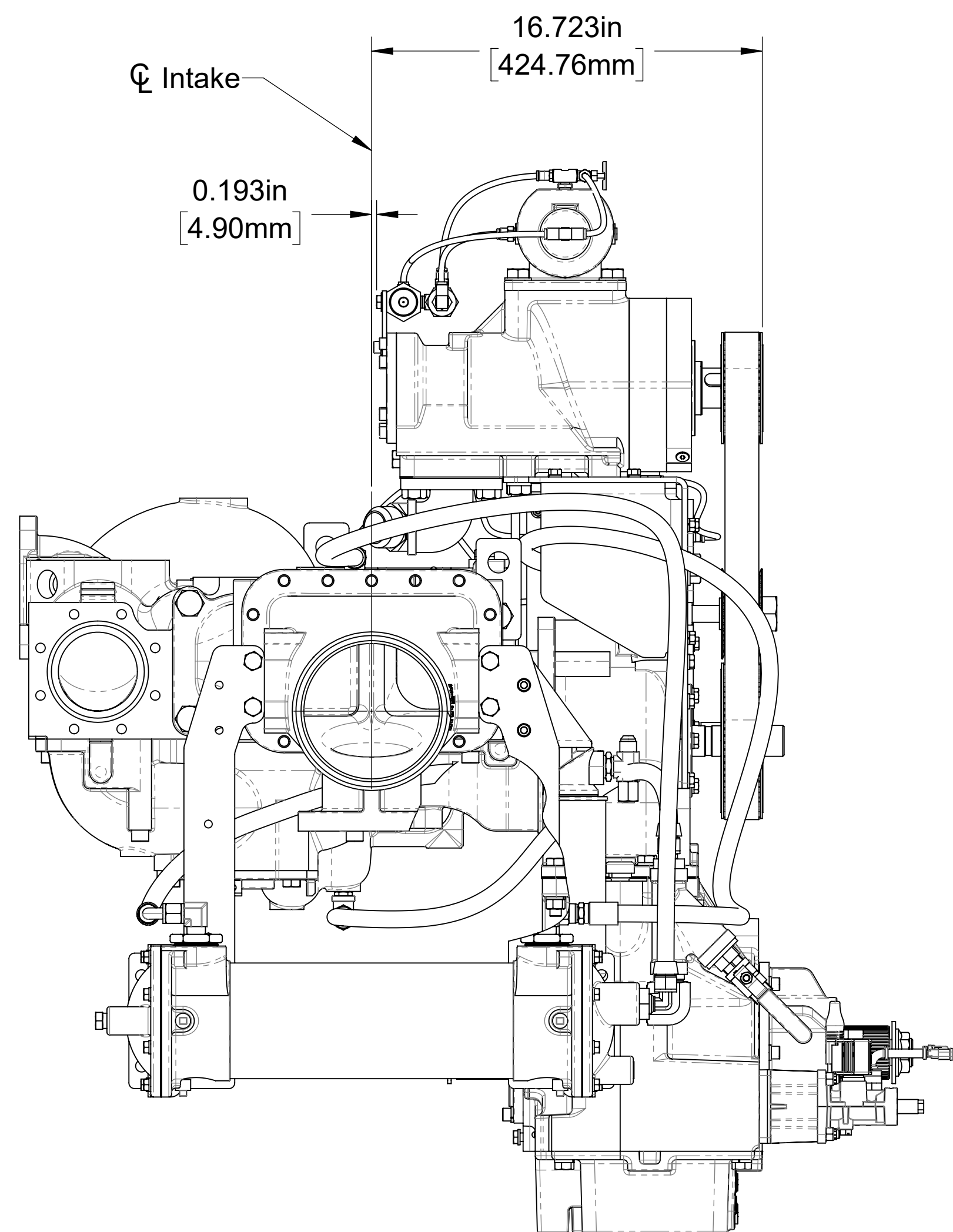
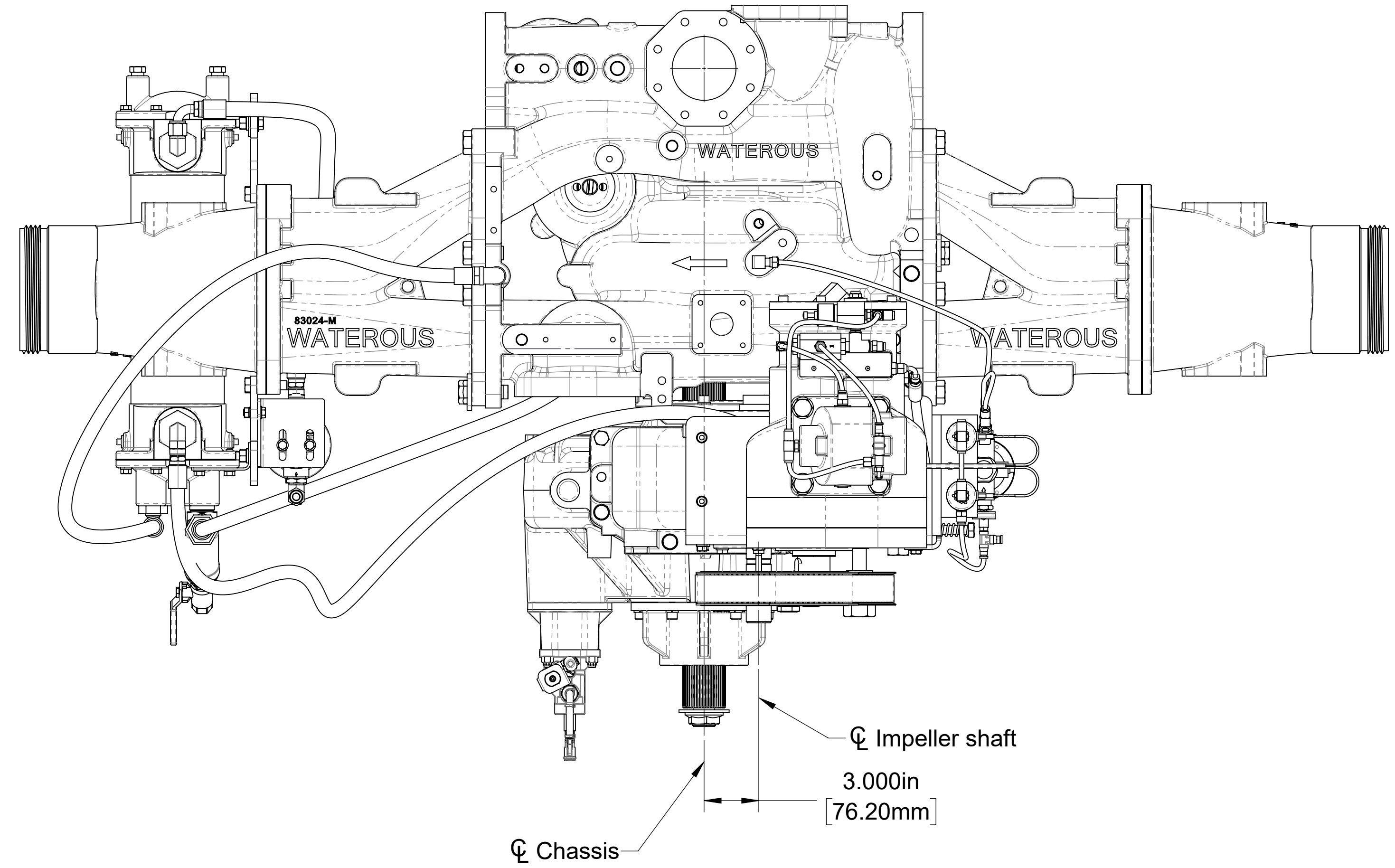


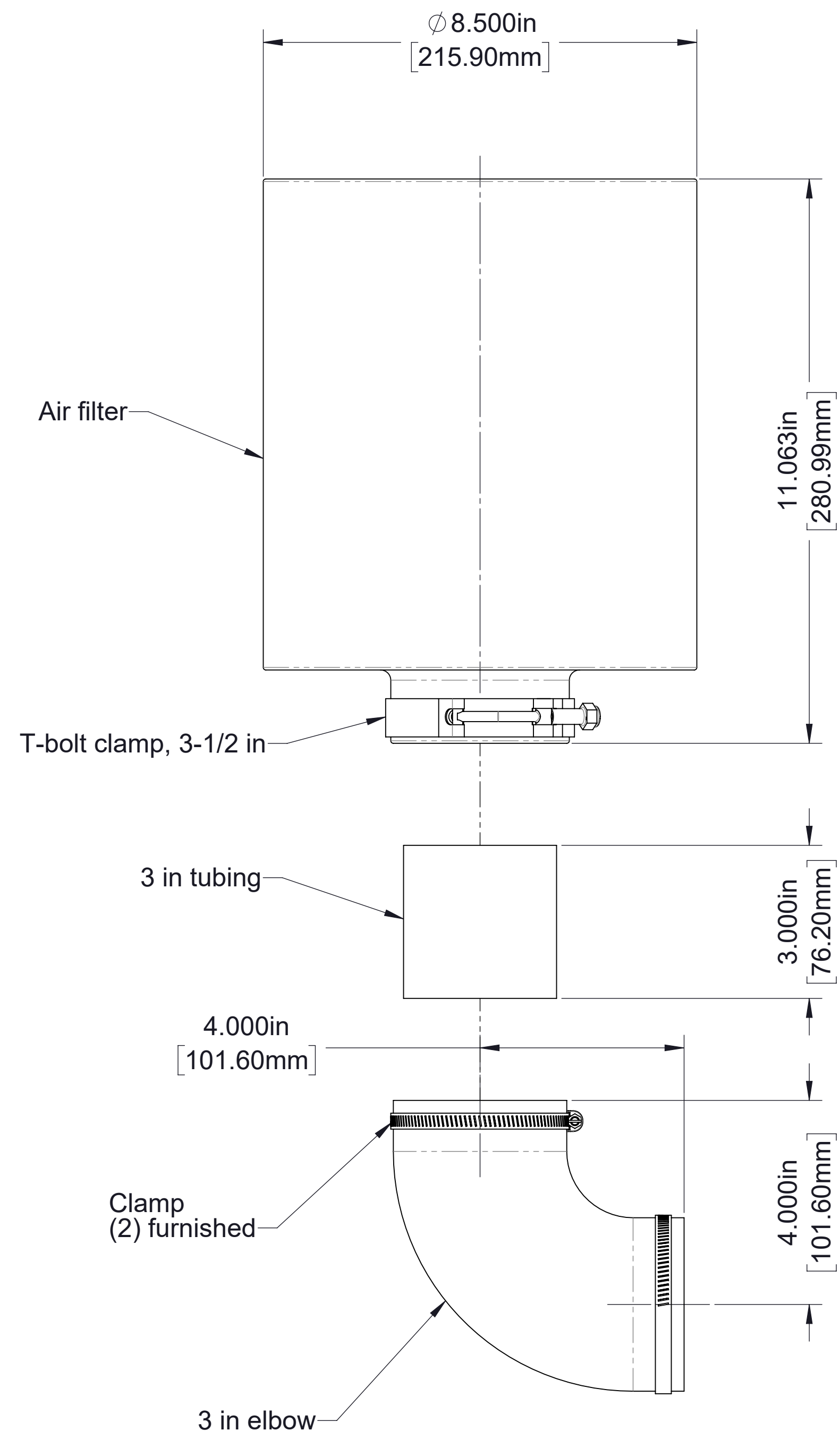
Standard Components:	Page
<b>Mounted on Pump:</b>	
<b>Compressor, Oil Cooler, Oil Filter:</b>	
• C22 Transmission	2
<b>Shipped Loose:</b>	
• Air Filter	3
• Oil Temperature Gauge	3
• Panel Plates	4
• Auto-Sync (Panel Plate)	4
• Sump (Oil Reservoir)	5
• Separator Filter	6
<b>Optional Components:</b>	
• Panel Mounted Oil Cooler Water Strainer	7
• Air Distribution Manifolds and Valves	8
• Auxiliary Air Connection	9
• Air Pressure Gauge	10
• Digital Flow Meter	10
• 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:	
• In-Line Oil Cooler Strainer	11
• Panel Mounted Oil Cooler Strainer	12
• Air Circuit	13
• Electrical	14



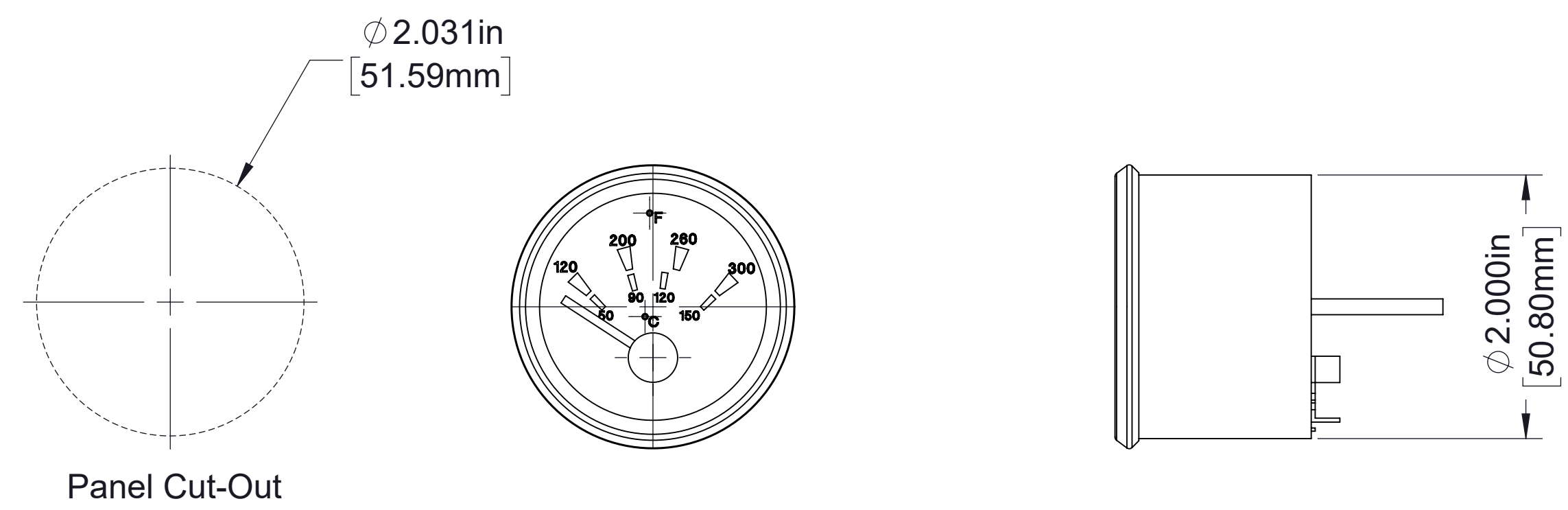
- Notes:  
 1. See drawing DPL82843 for CM series fire pump dimensions.  
 2. See drawing DPL82791 for CS series fire pump dimensions

Front  
 ↑  
 ↓  
 Rear

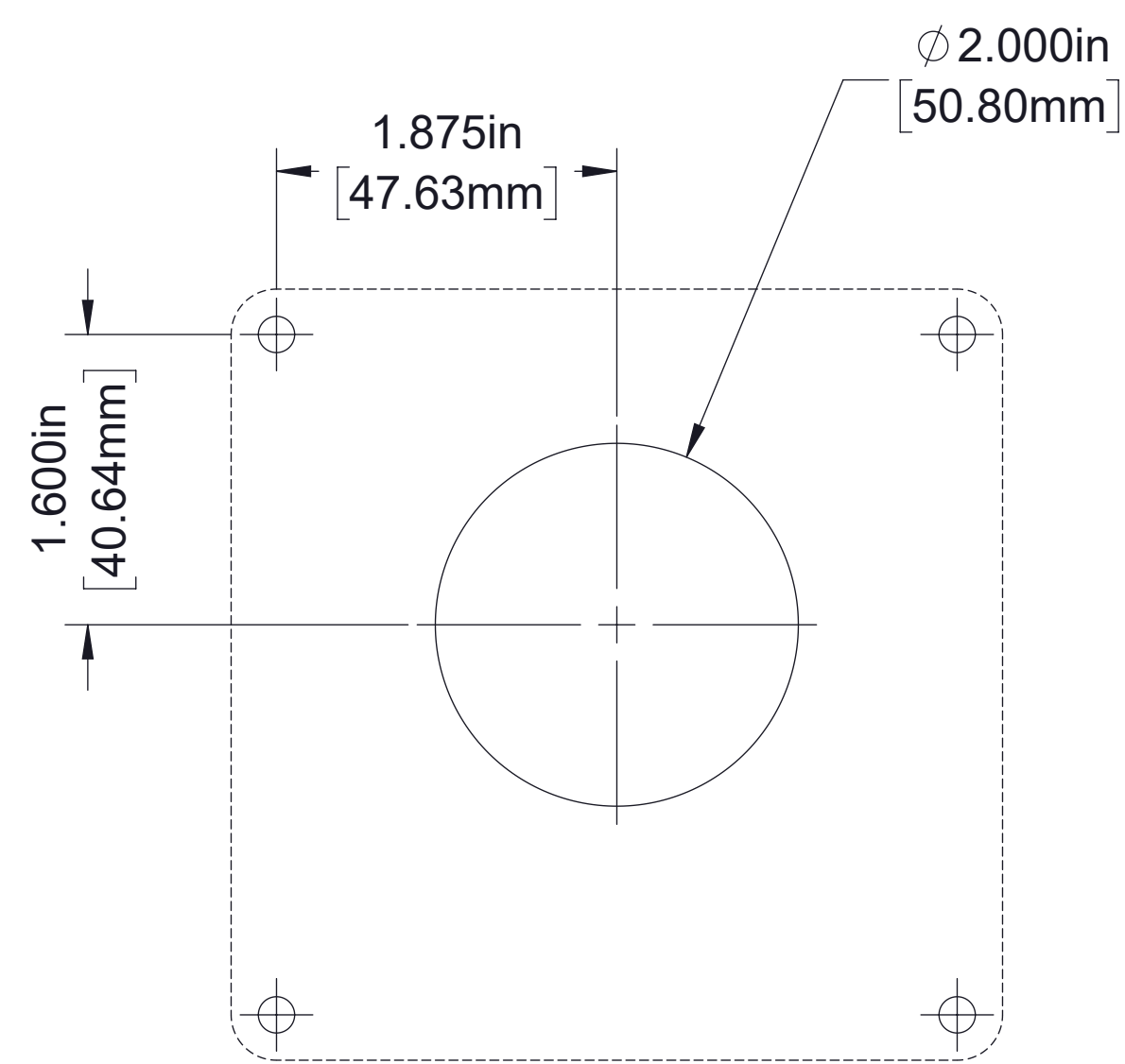




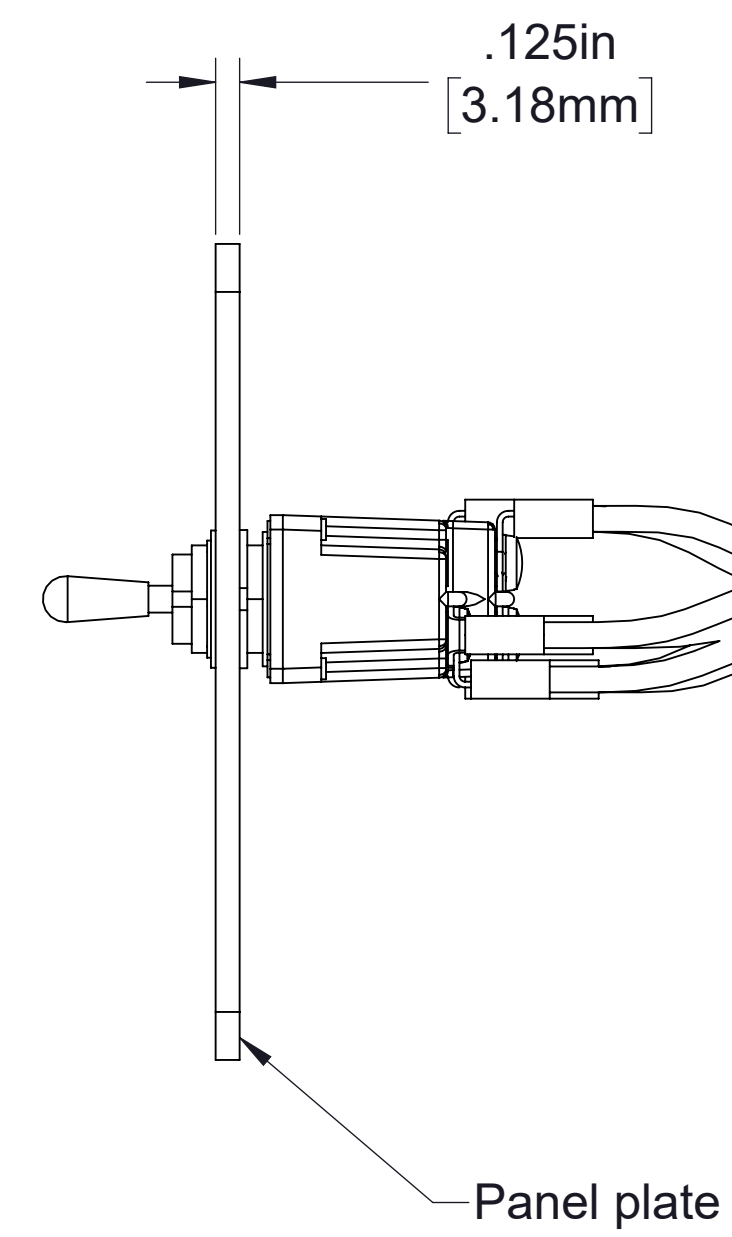
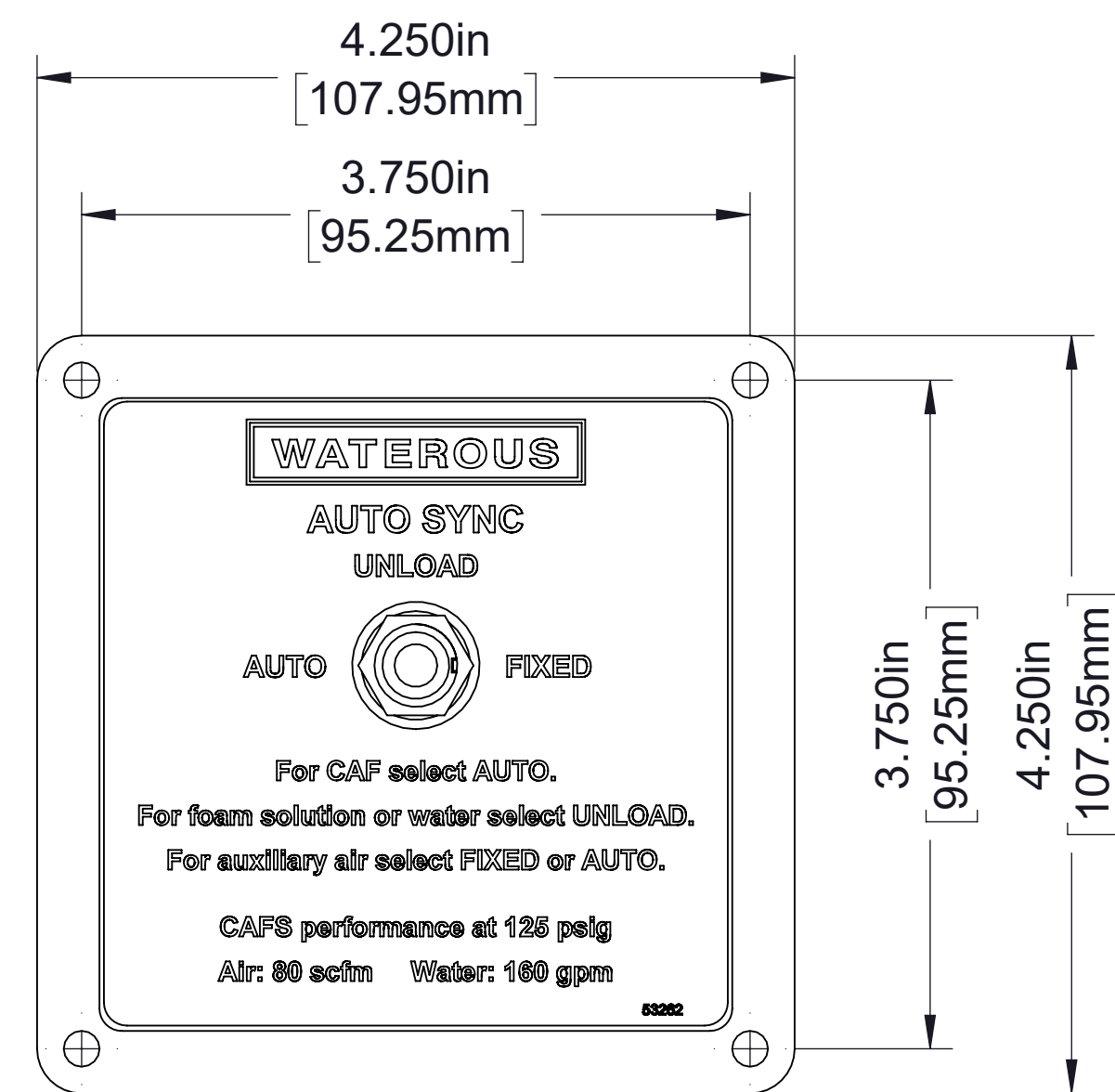
**Air Filter**



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

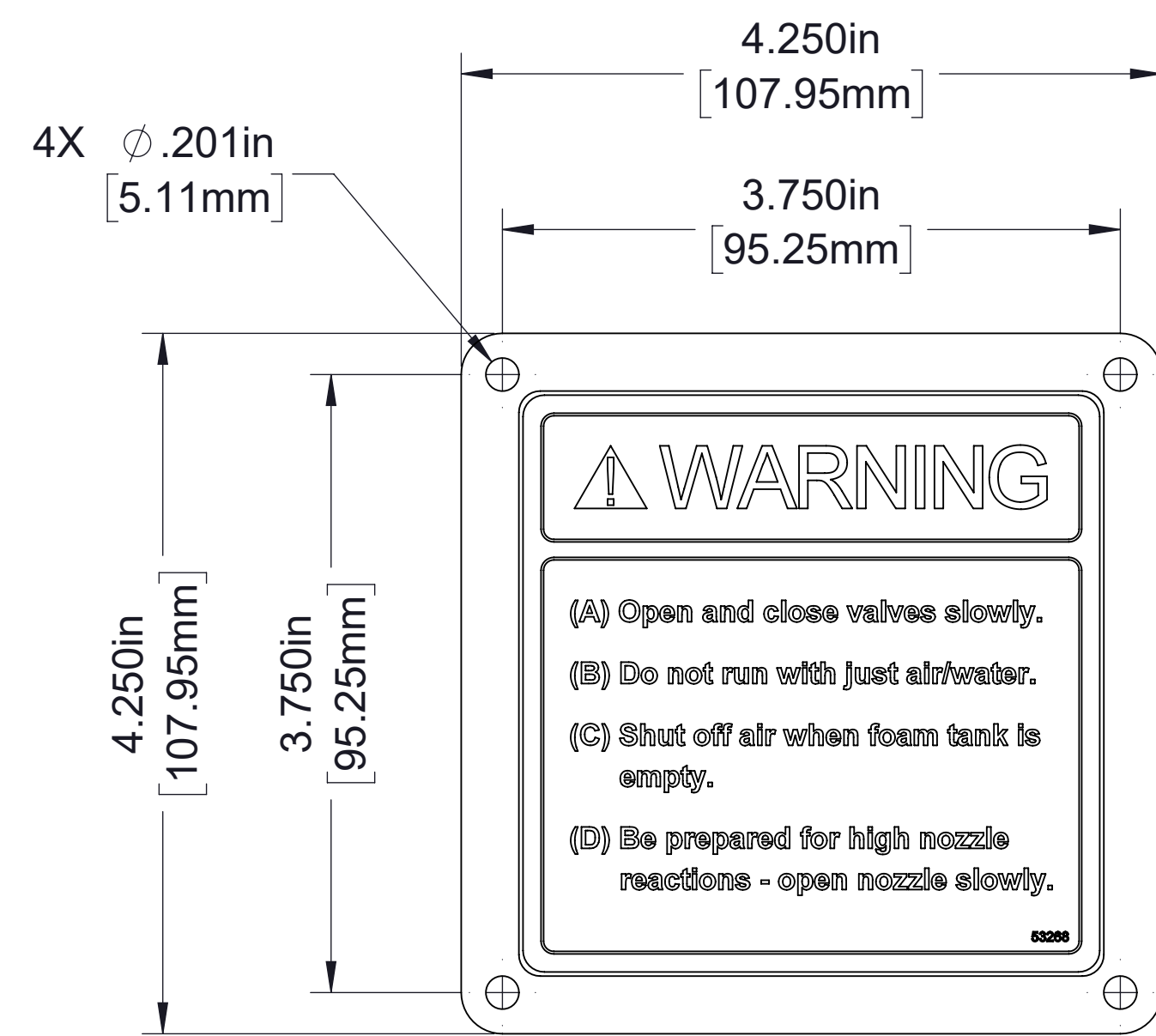
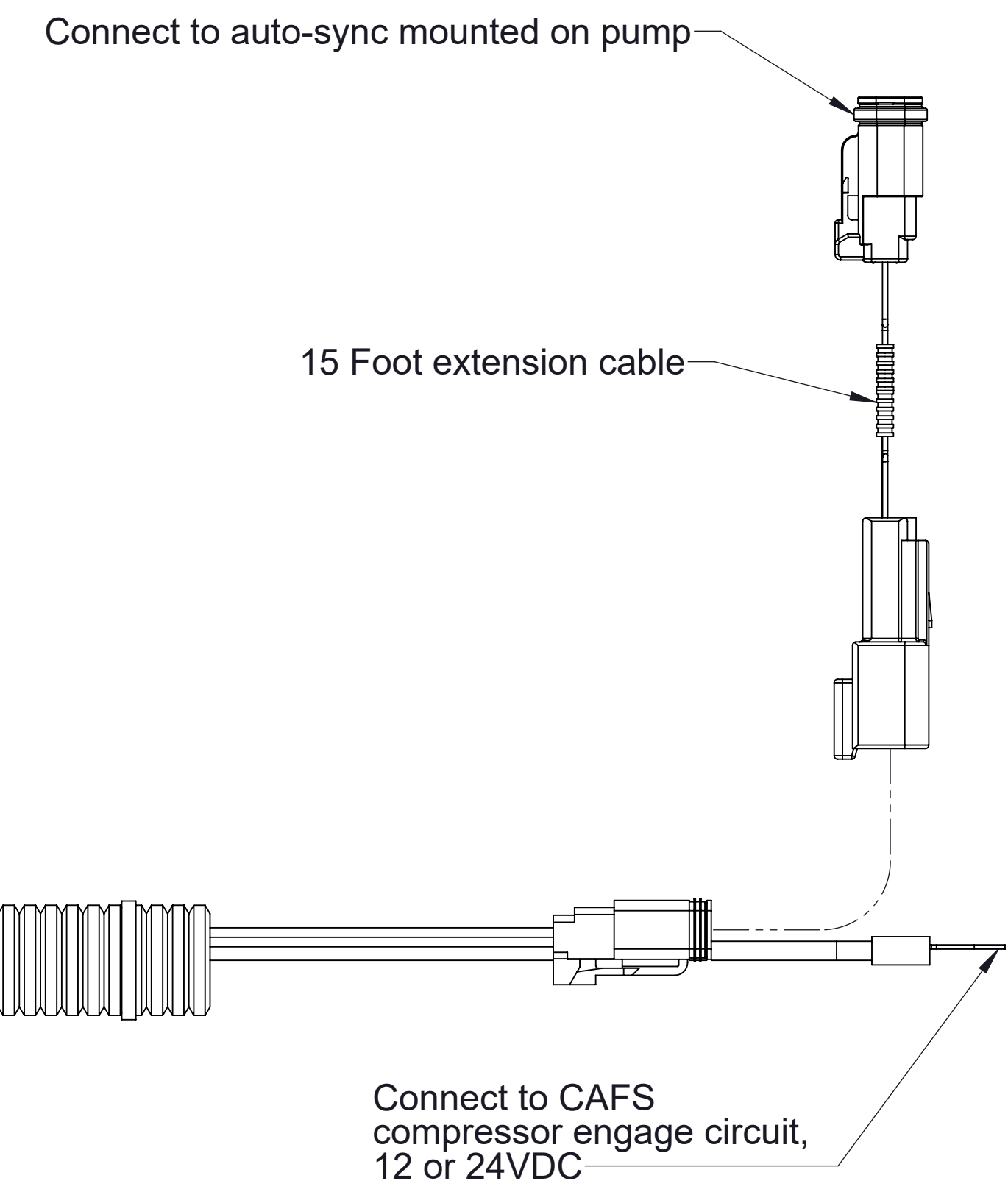


Panel Cut-Out

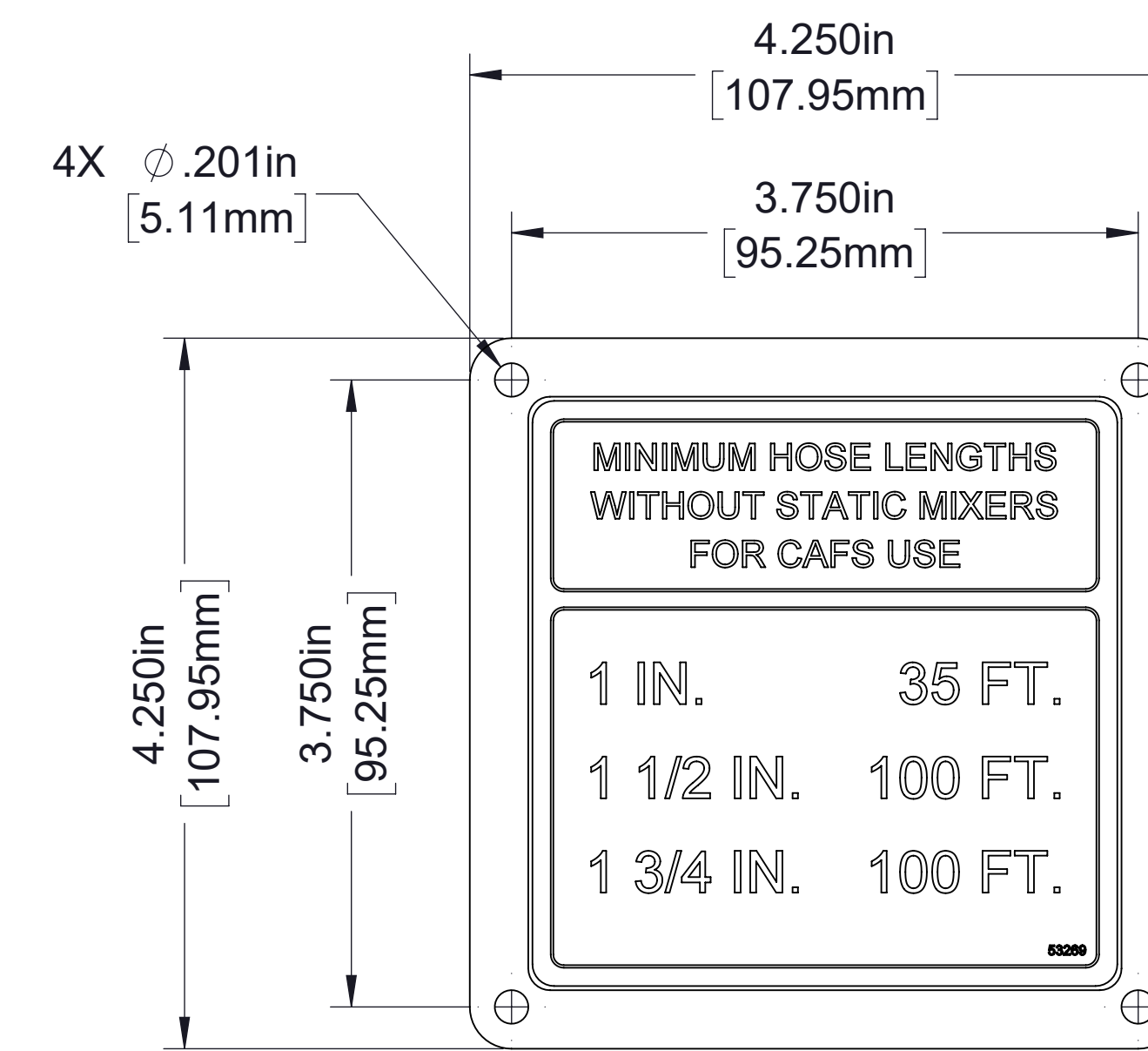


Panel plate

**Auto-Sync**



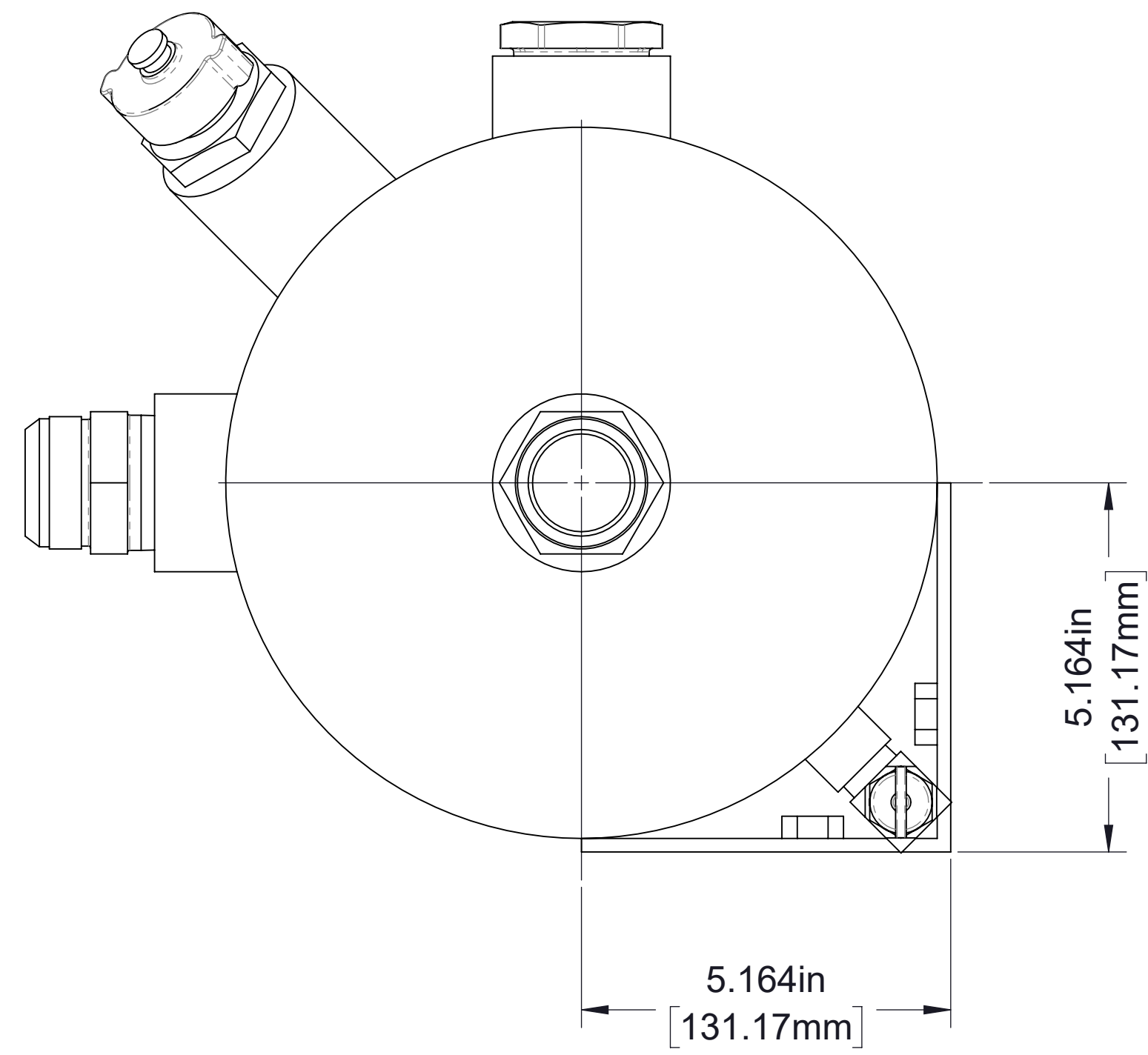
**CAFS Warning**



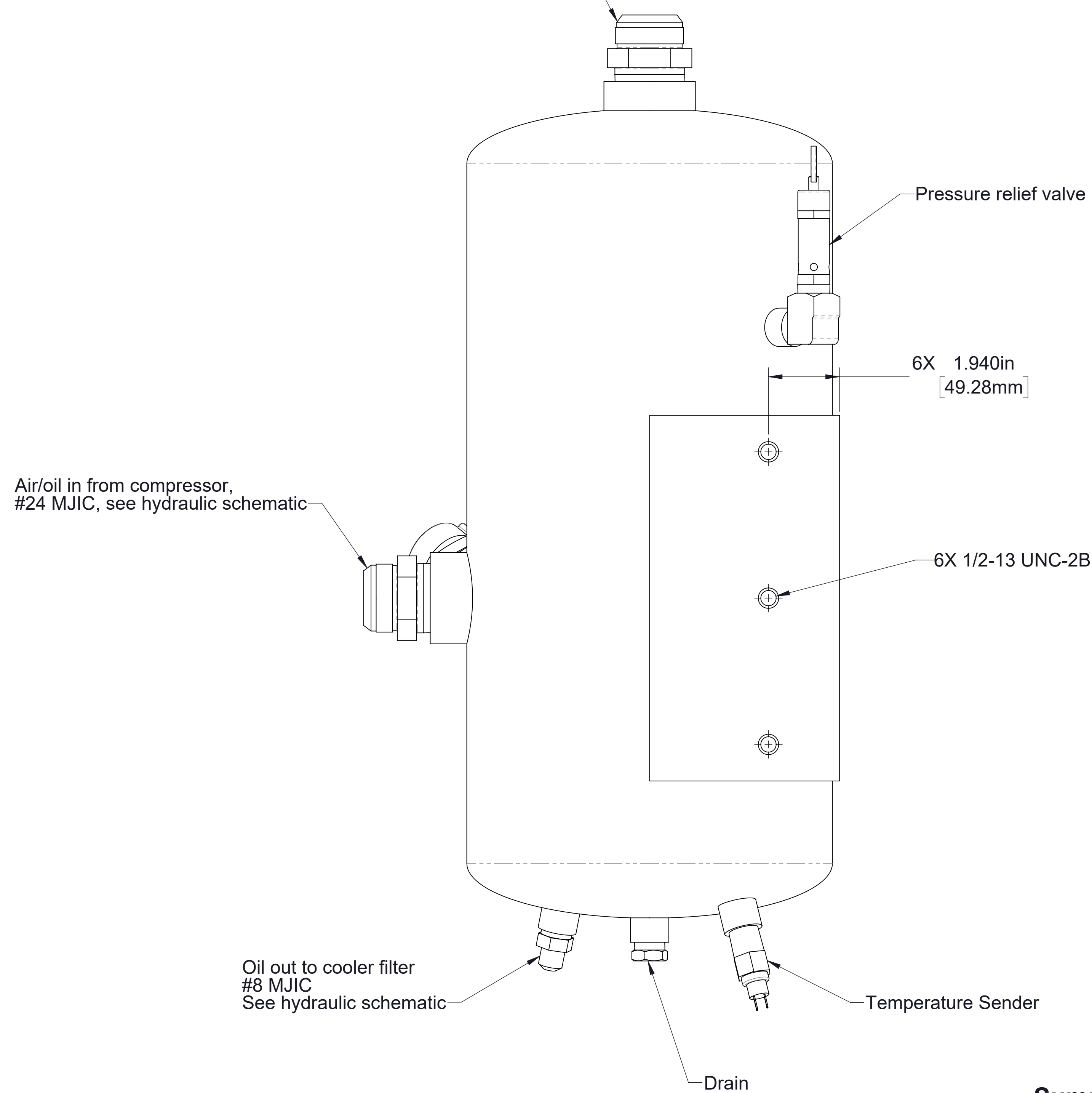
**Hose Length**

**Panel Plates**

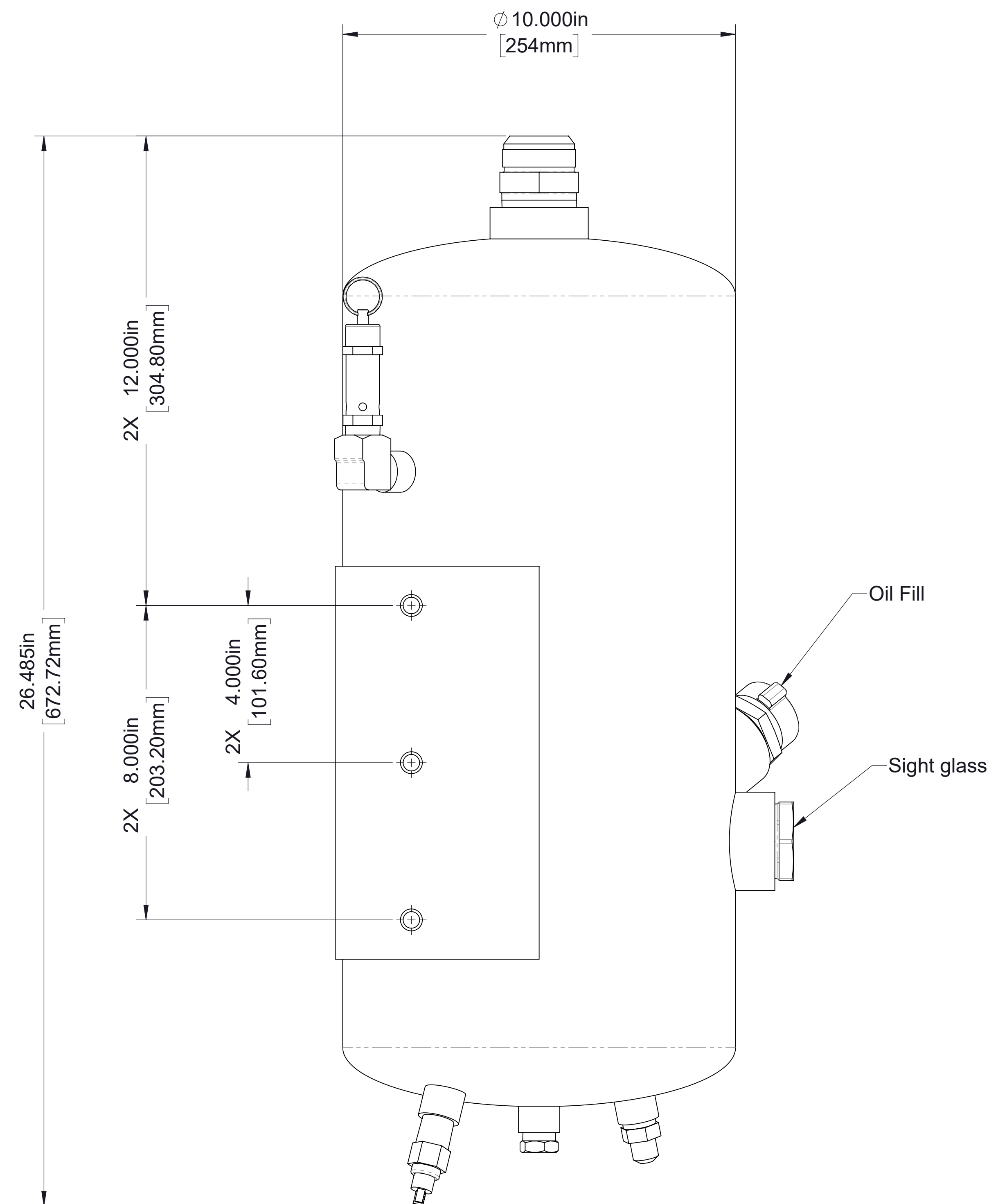


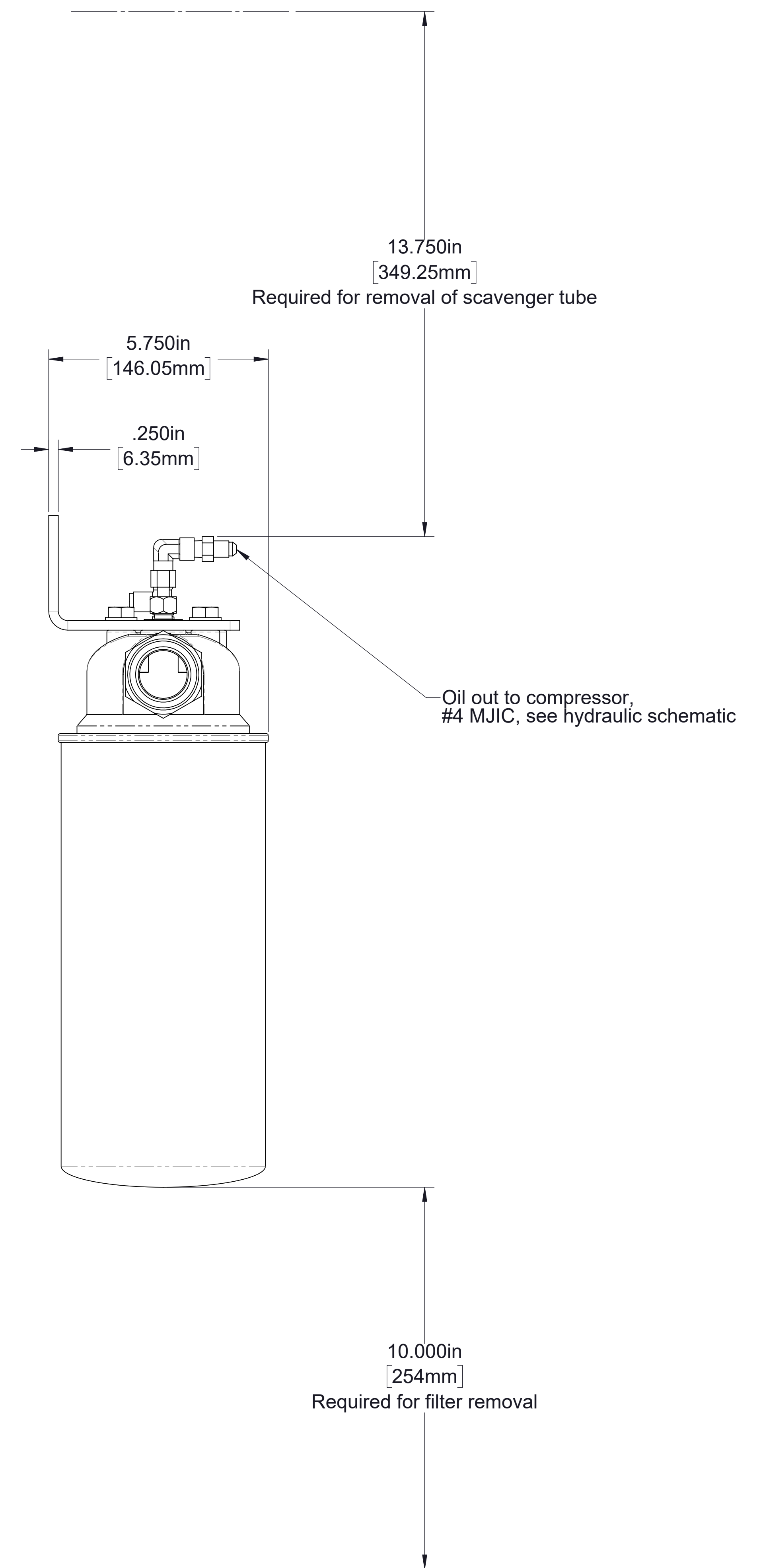
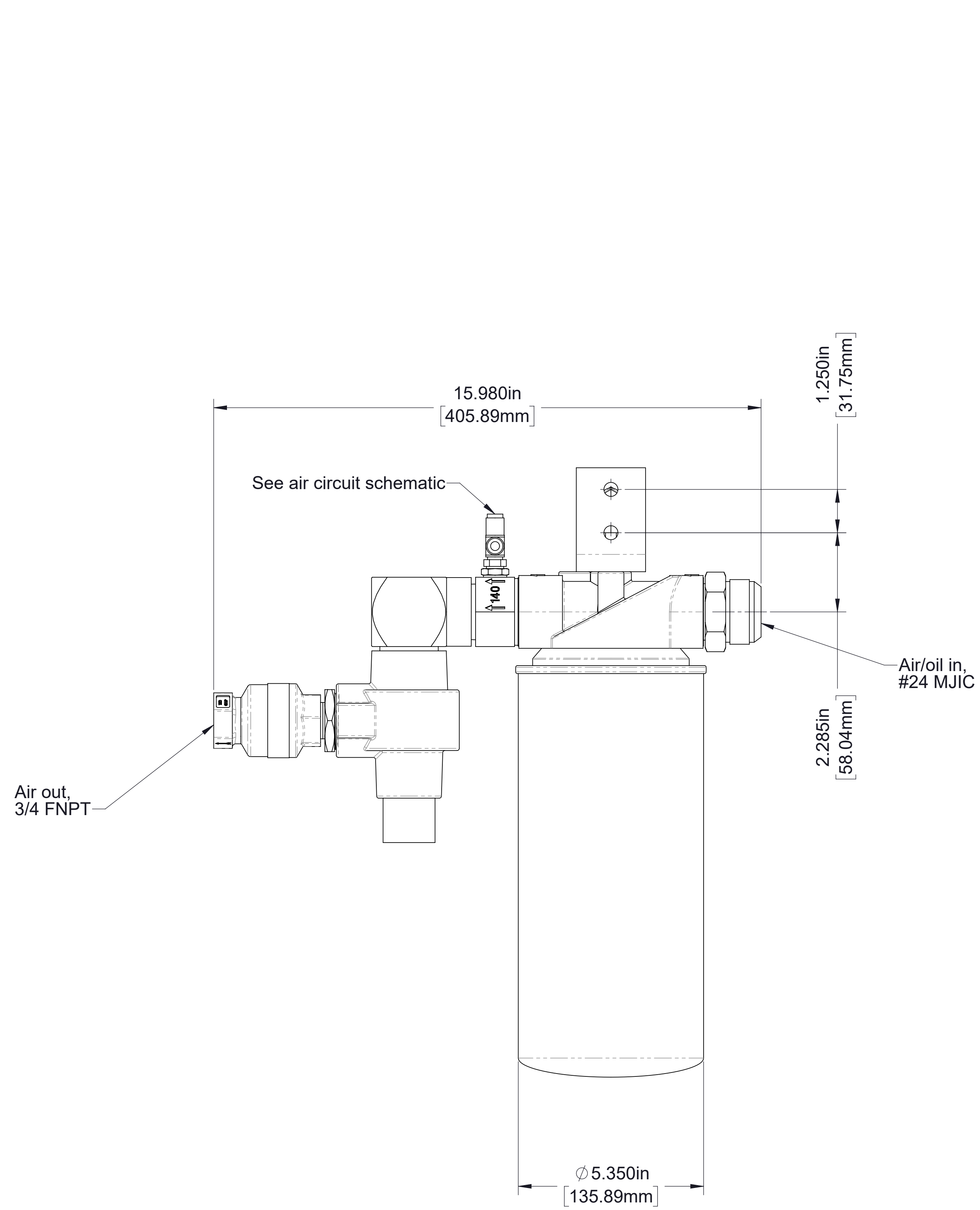


Air out to separator filter,  
#24 MJIC, see hydraulic schematic  
(Sump must be mounted with the #24 MJIC fitting facing up)

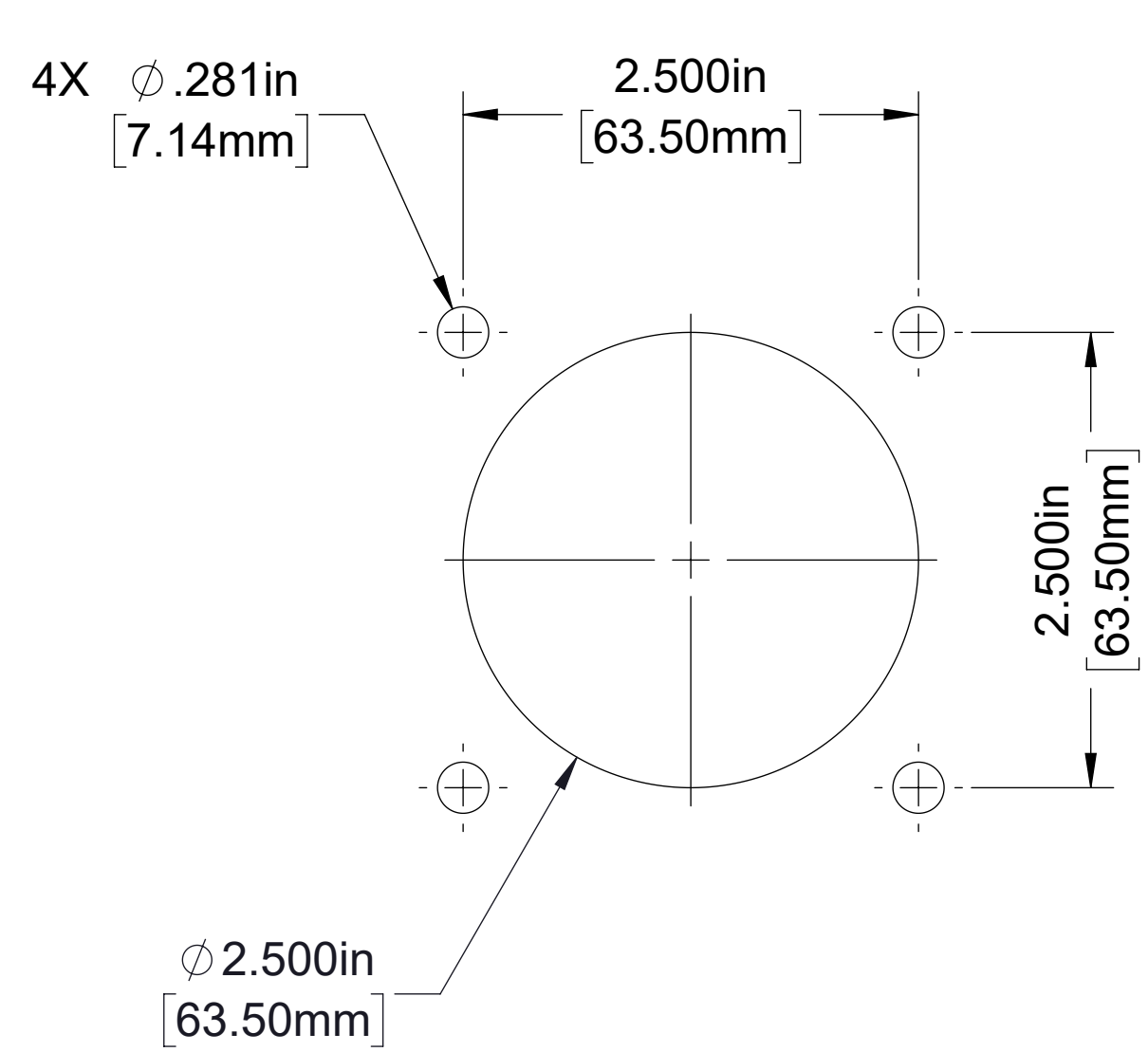
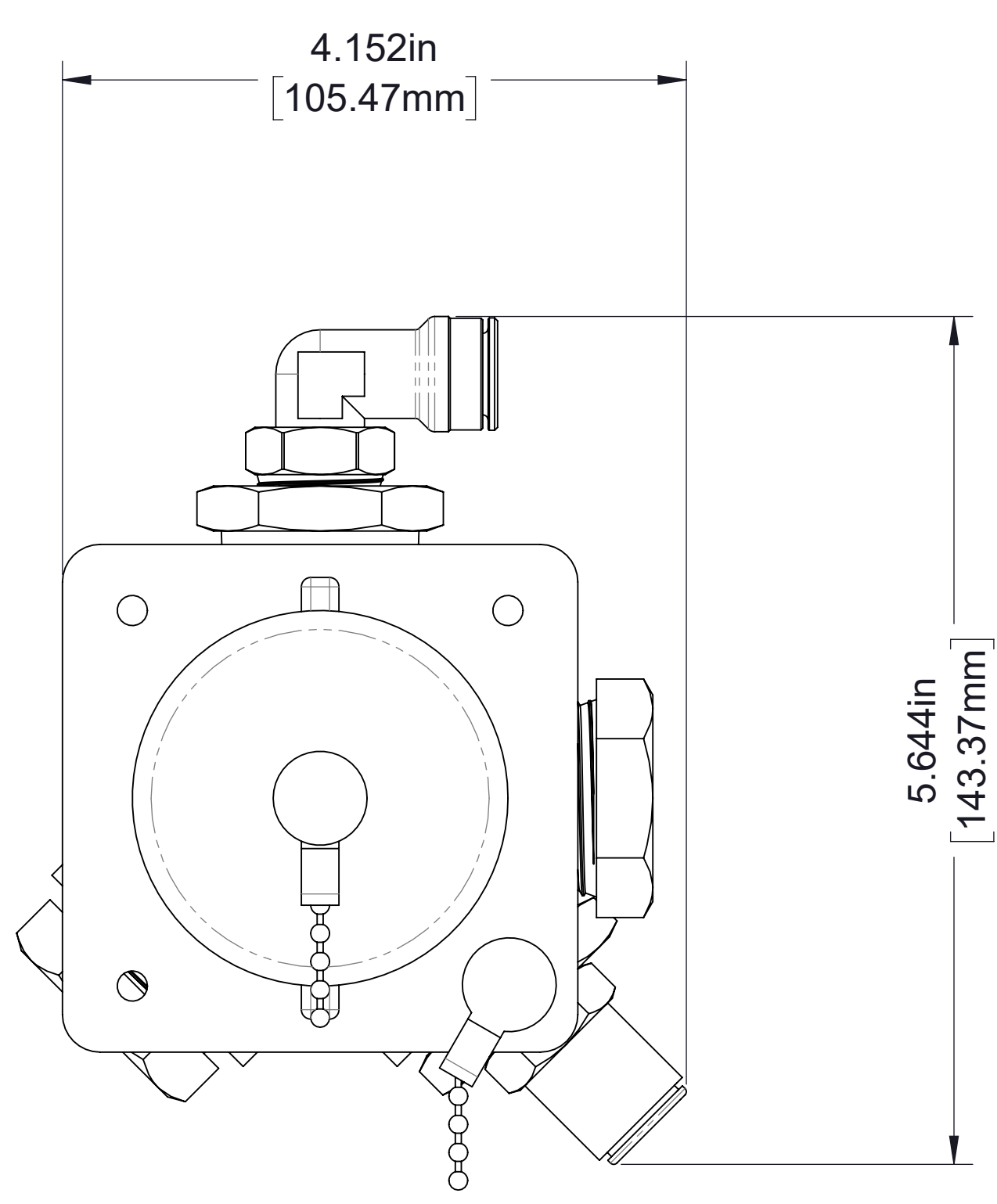
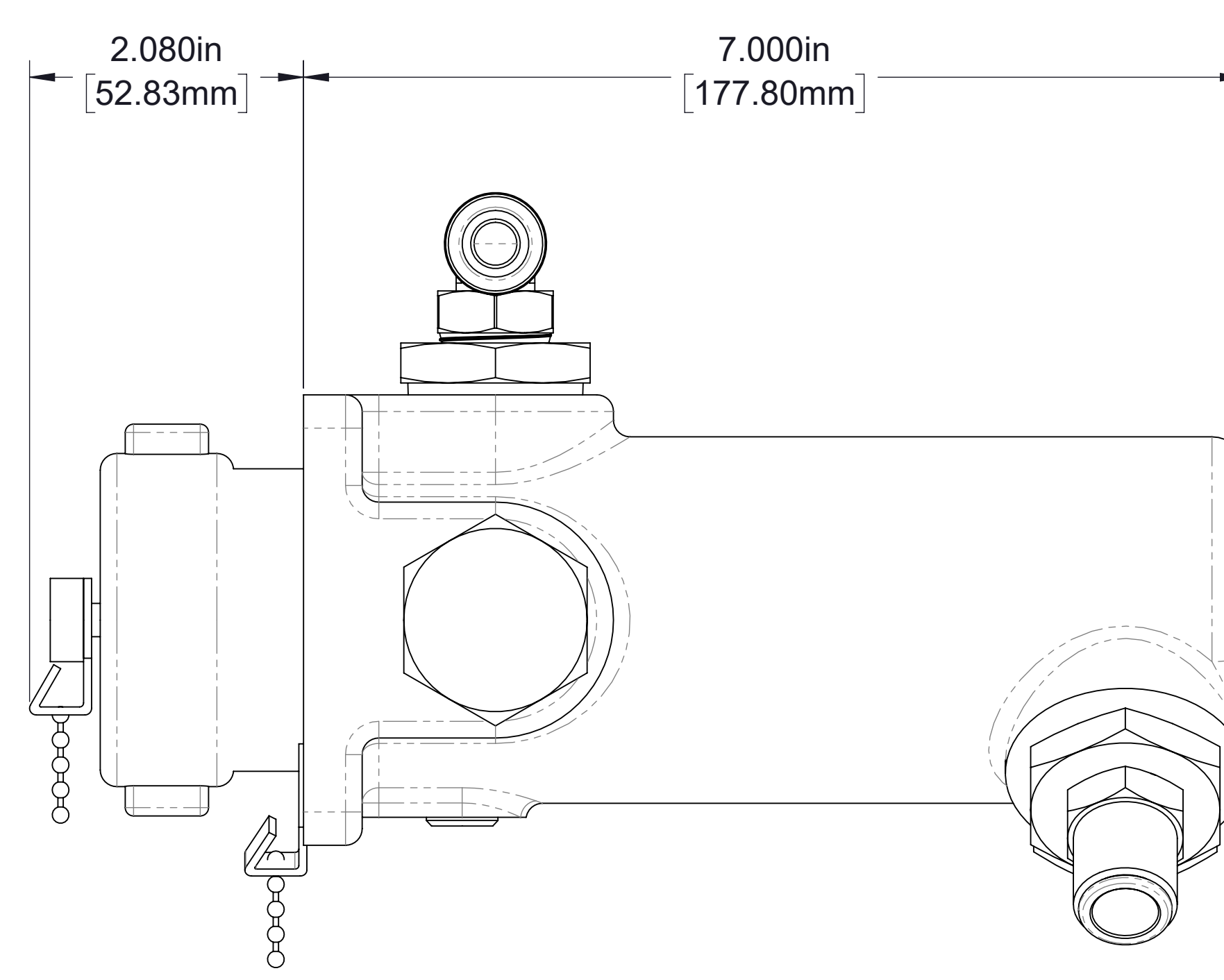
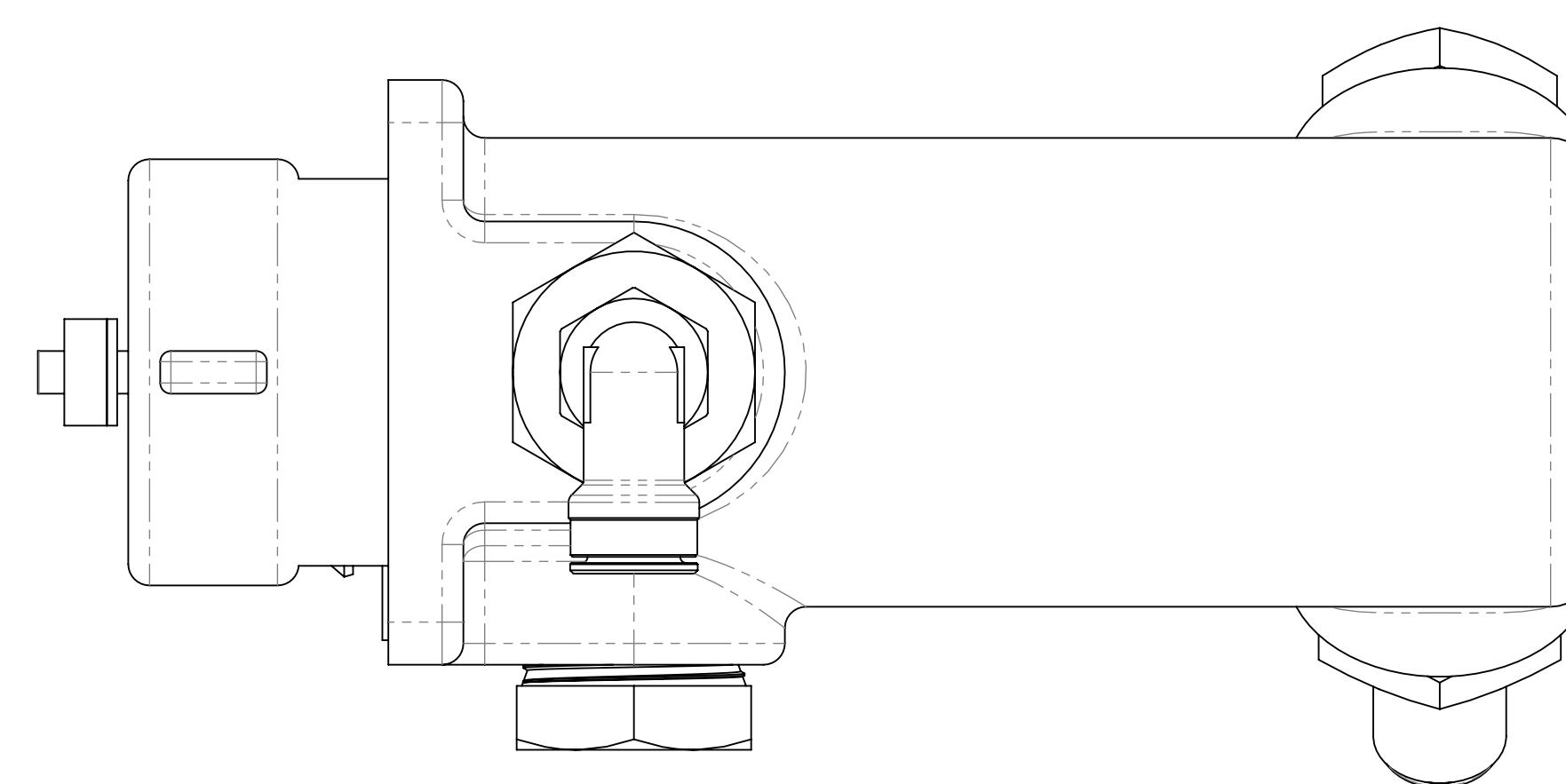


**Sump (Oil Reservoir)**



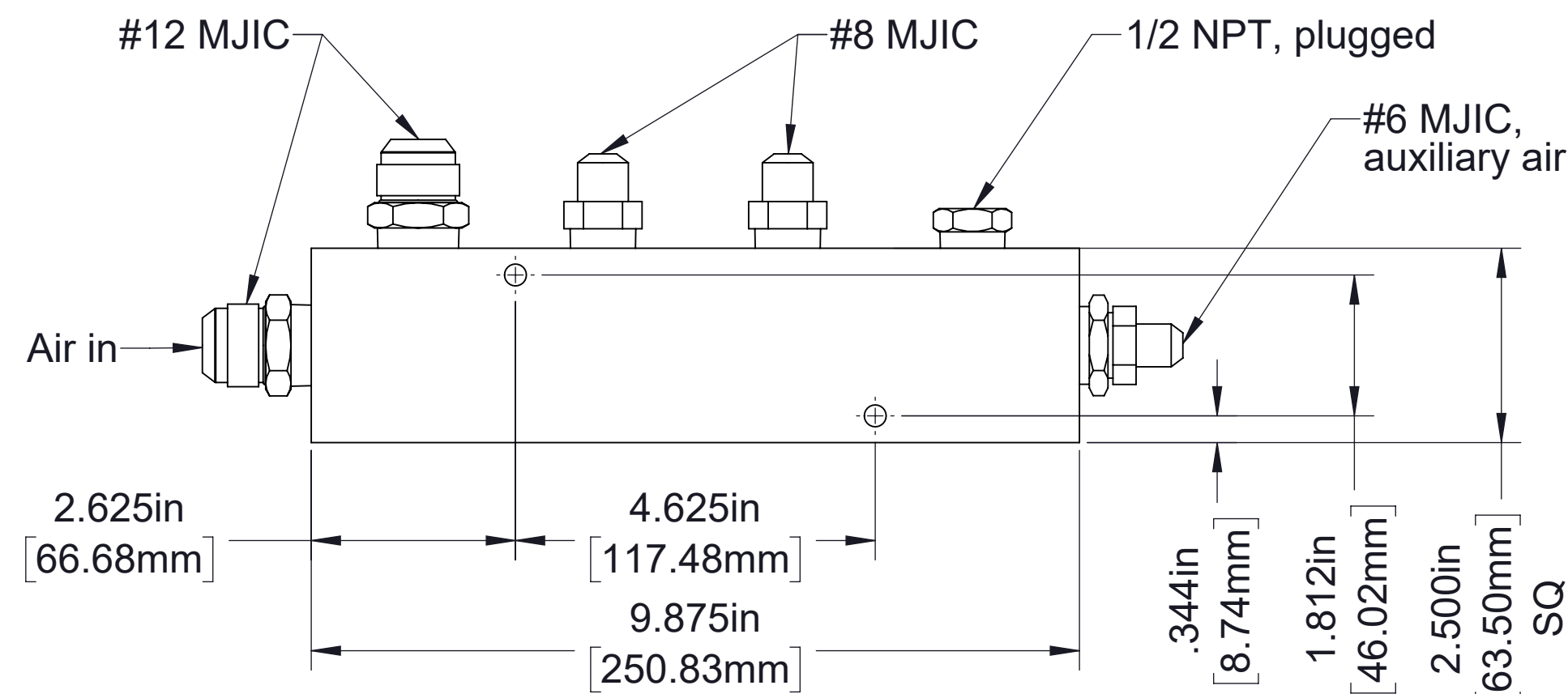
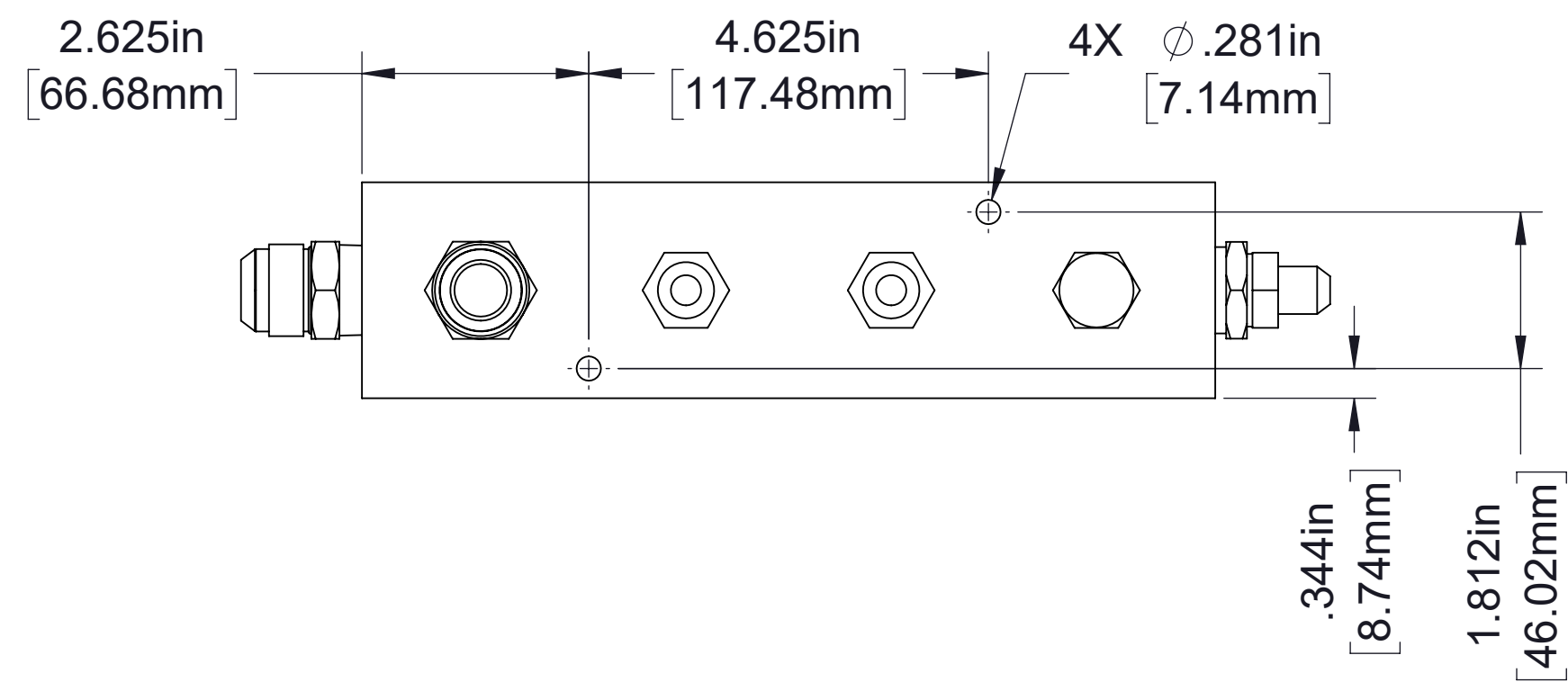


Separator Filter

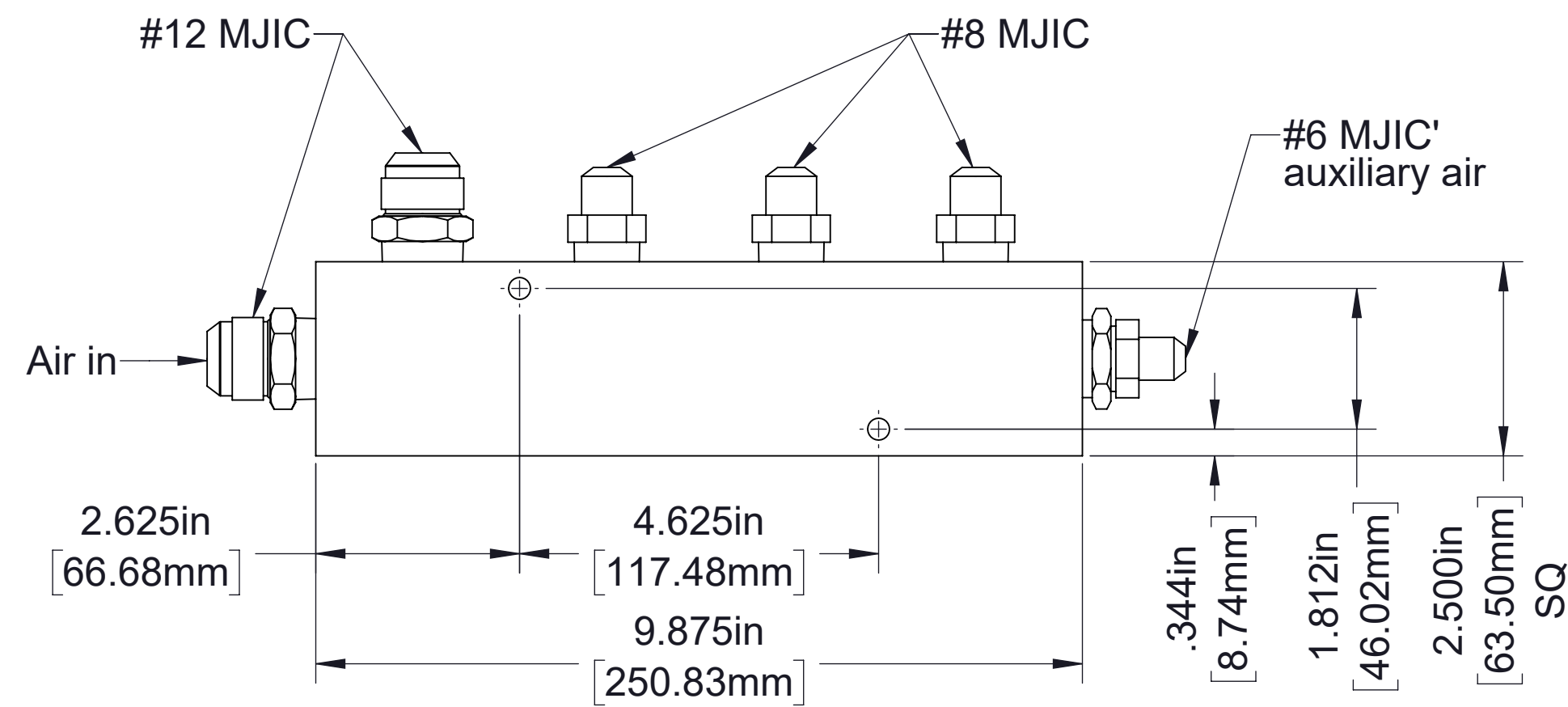
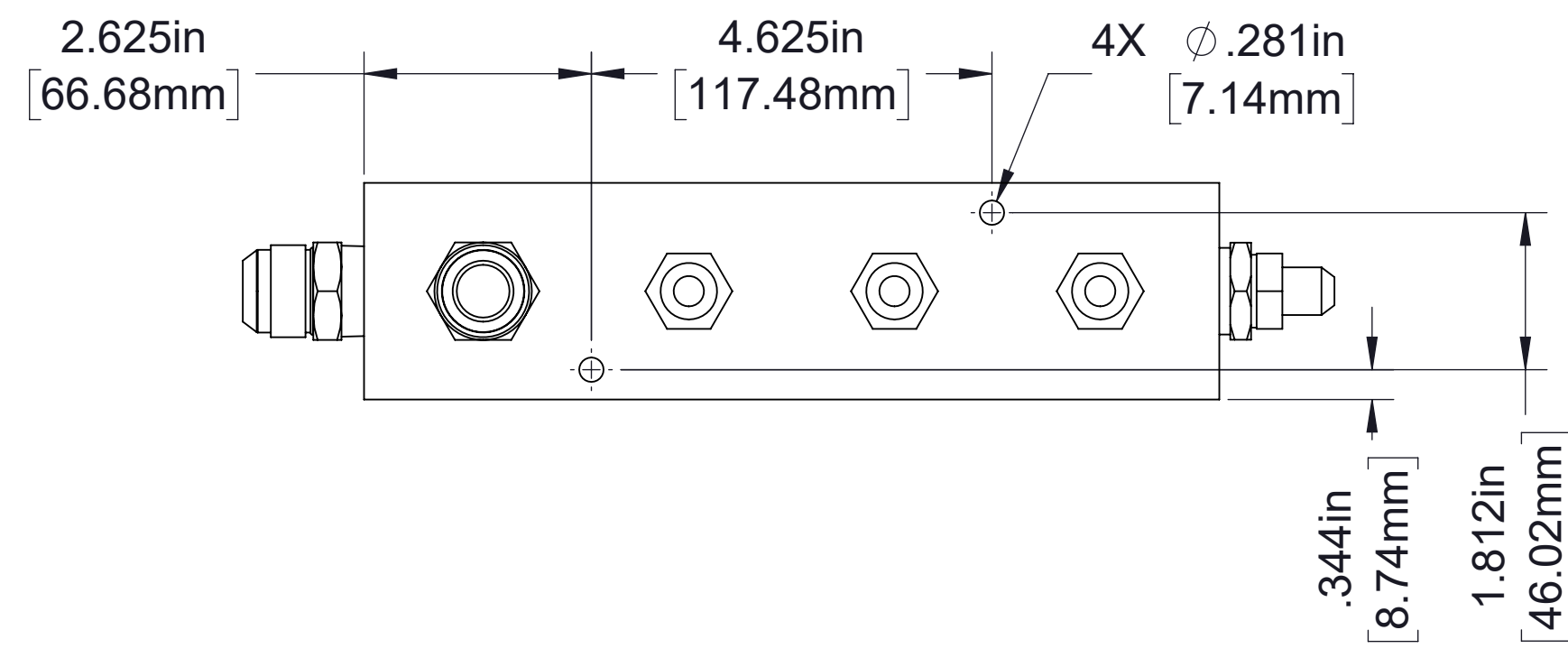


Panel Cut-Out

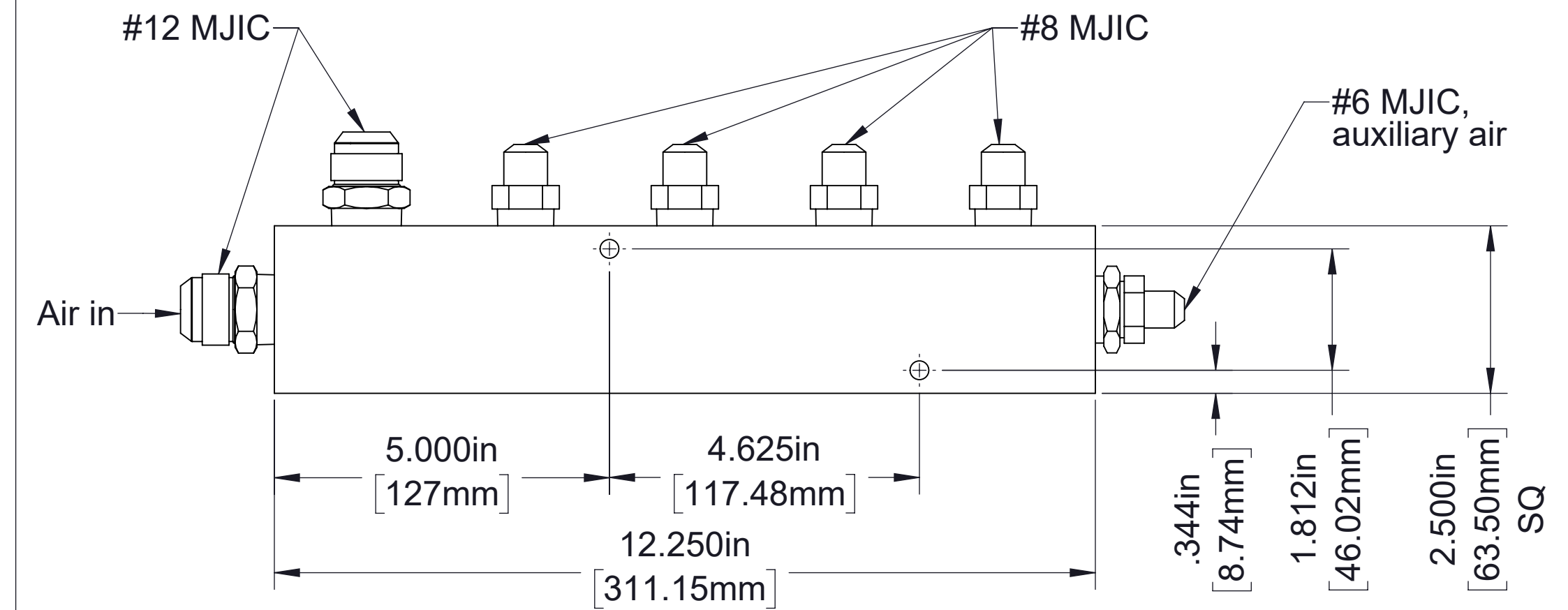
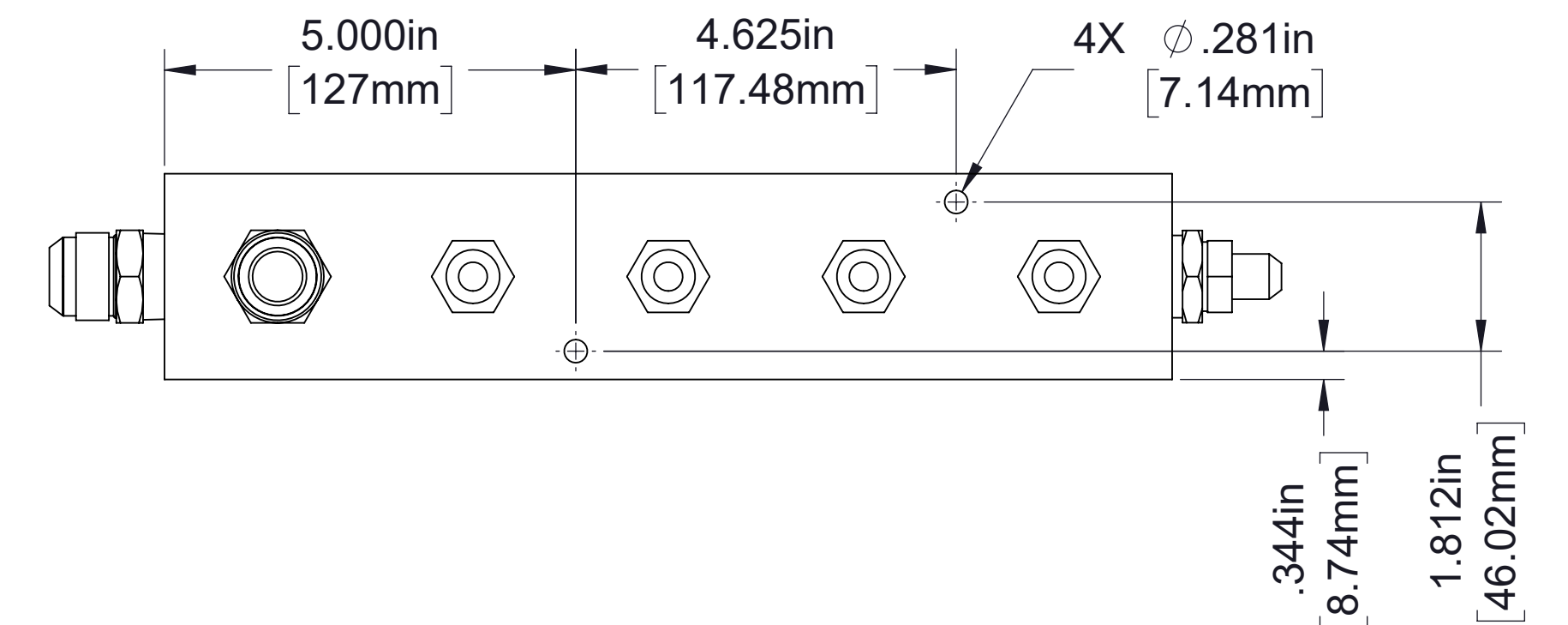
**Optional Panel Mounted Oil Cooler Water Strainer**



**3 Port Manifold**  
Order part number 83360-1A

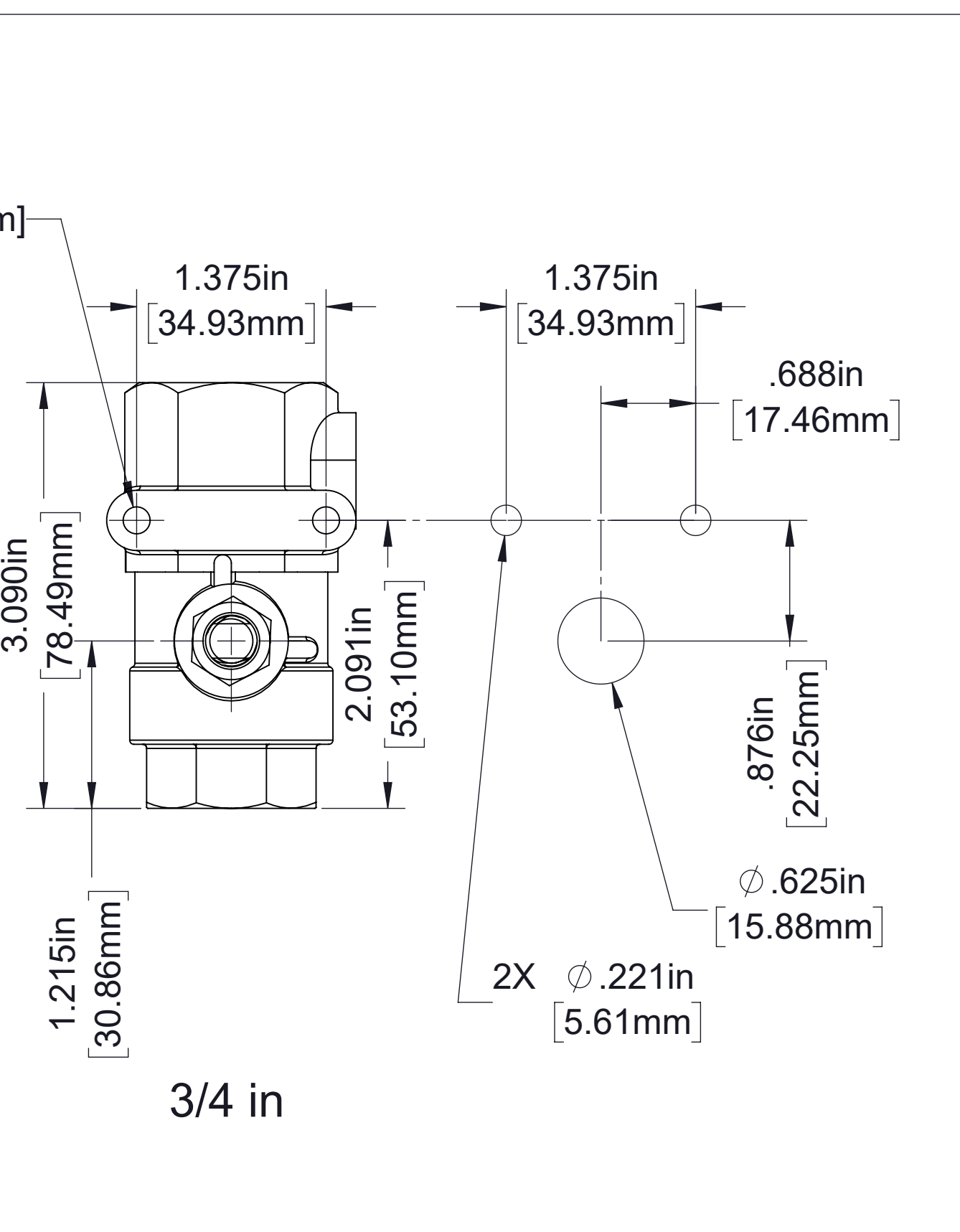
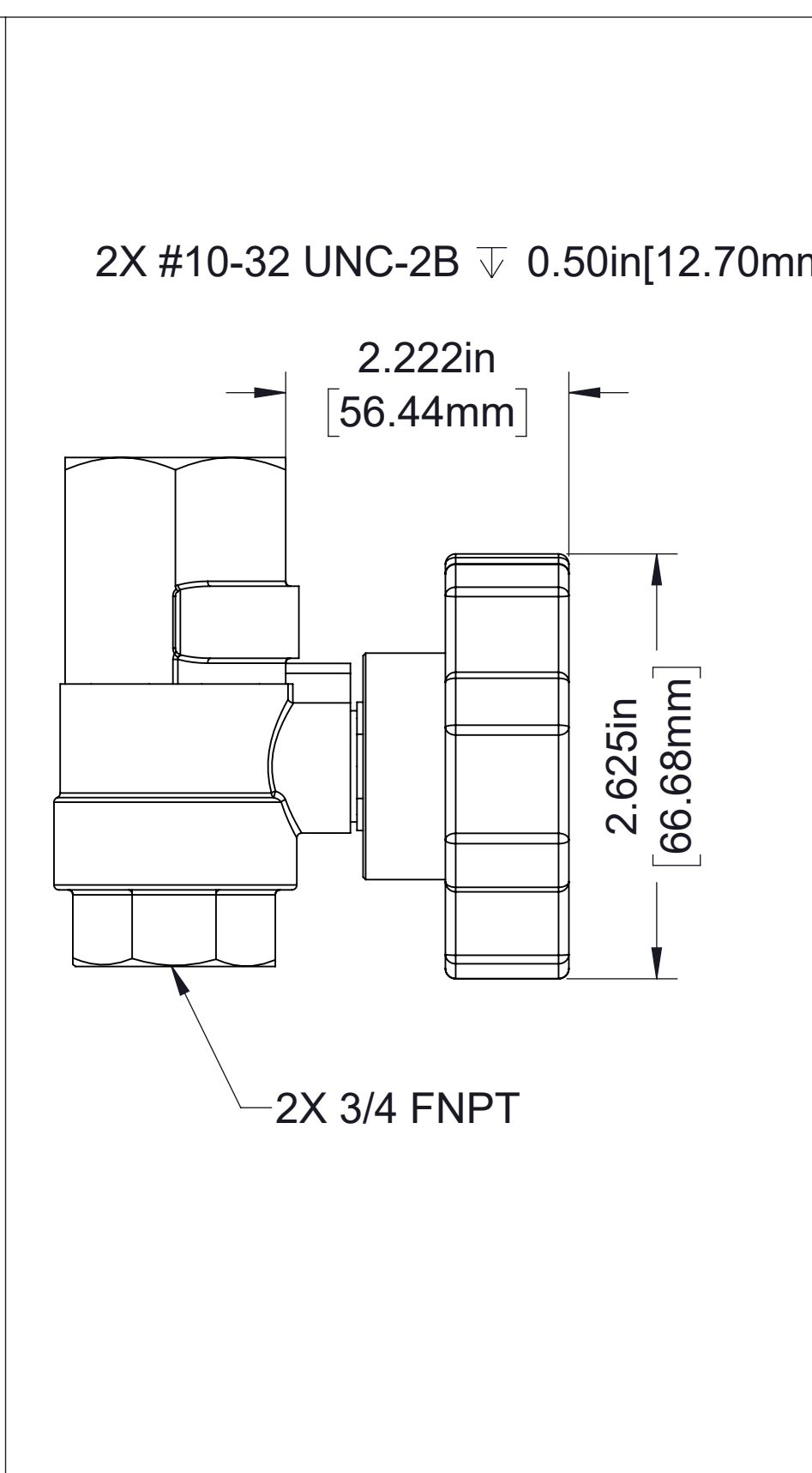
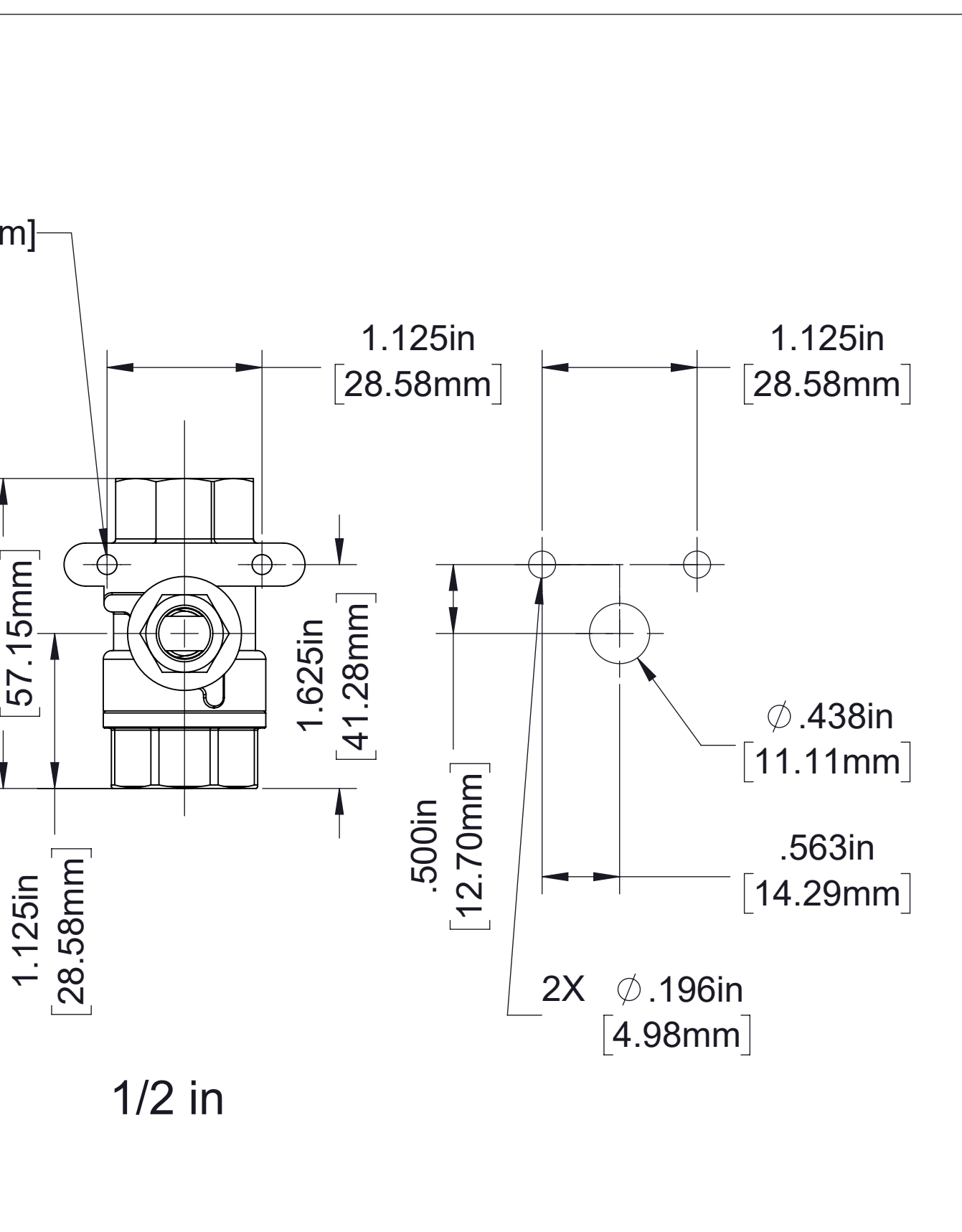
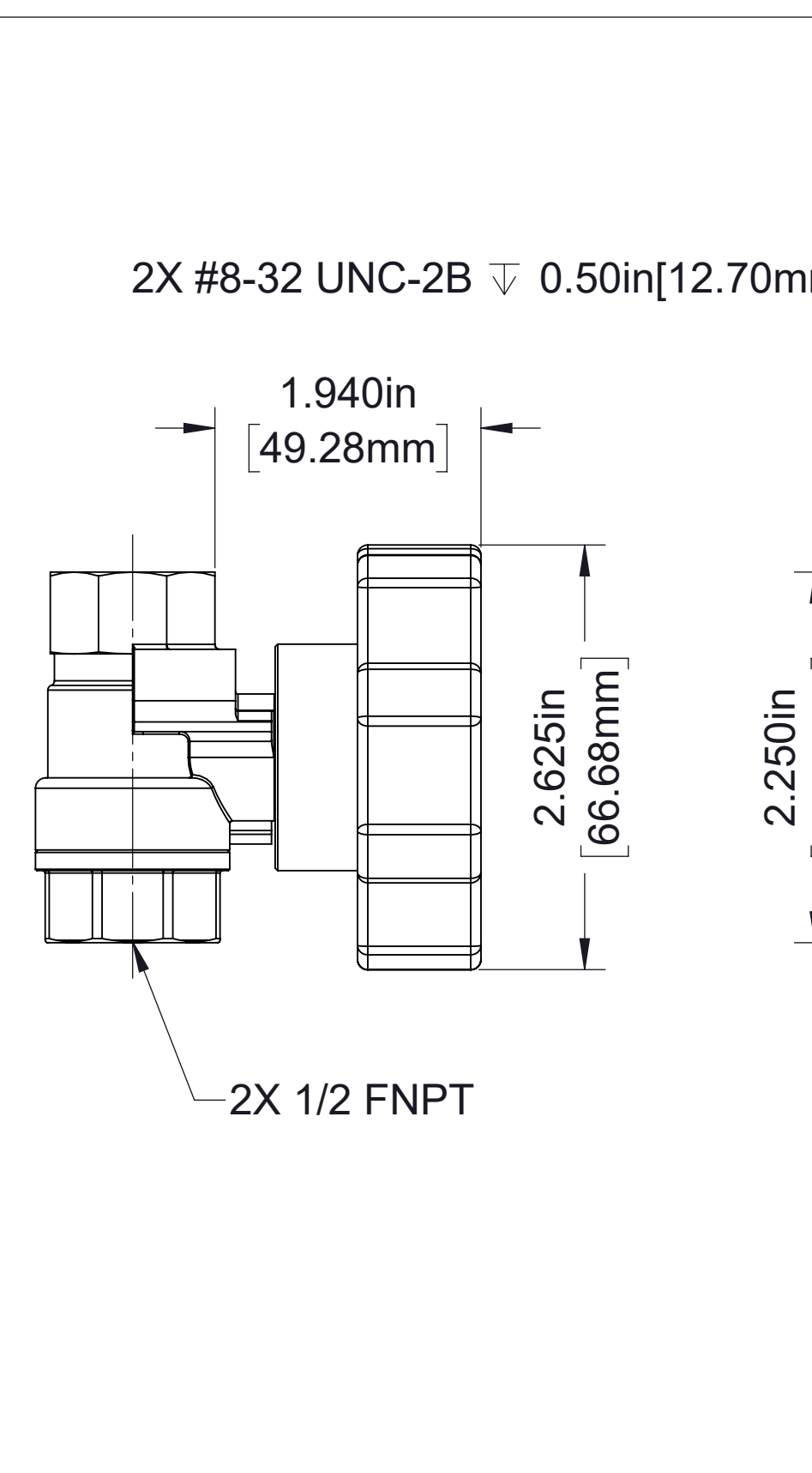
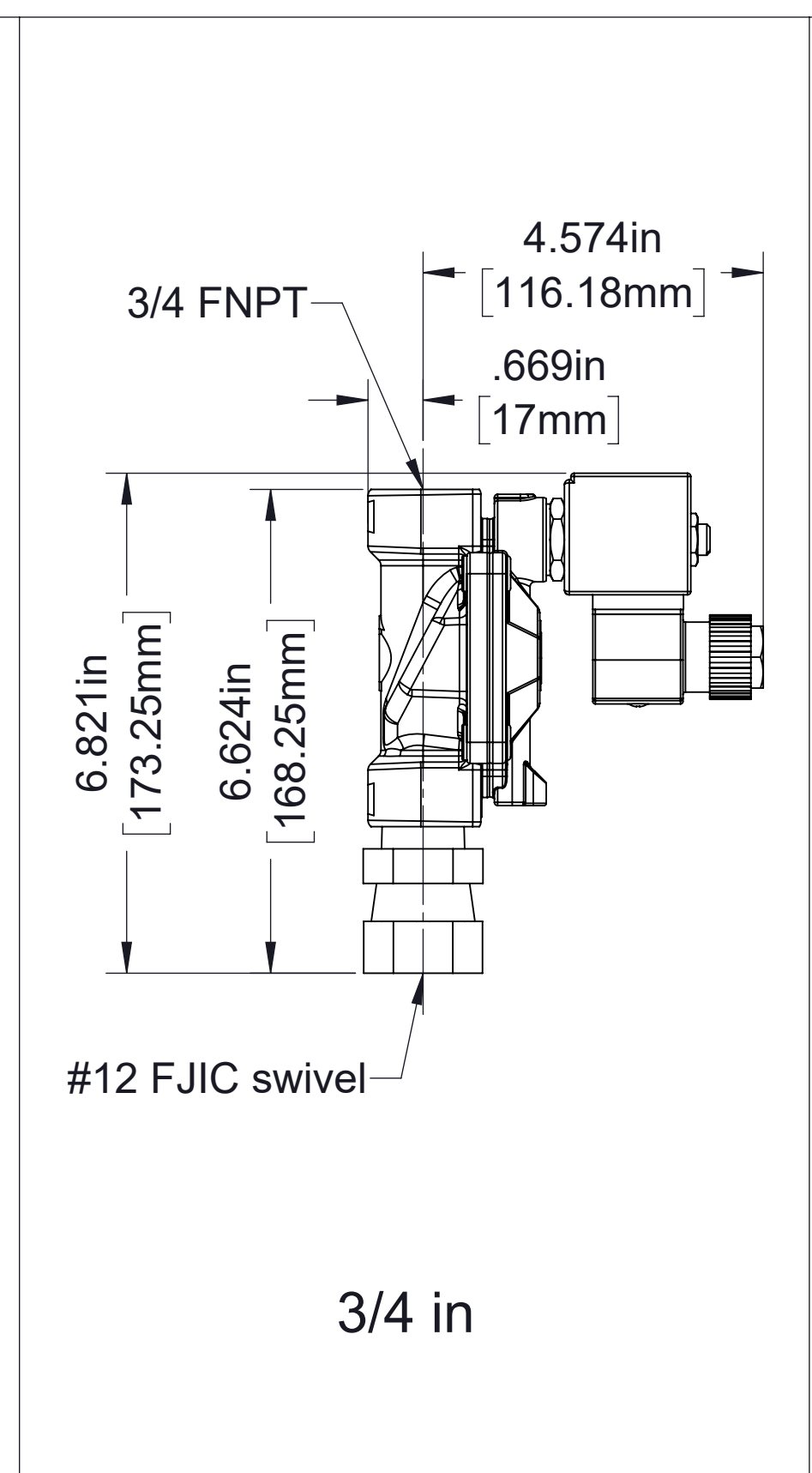
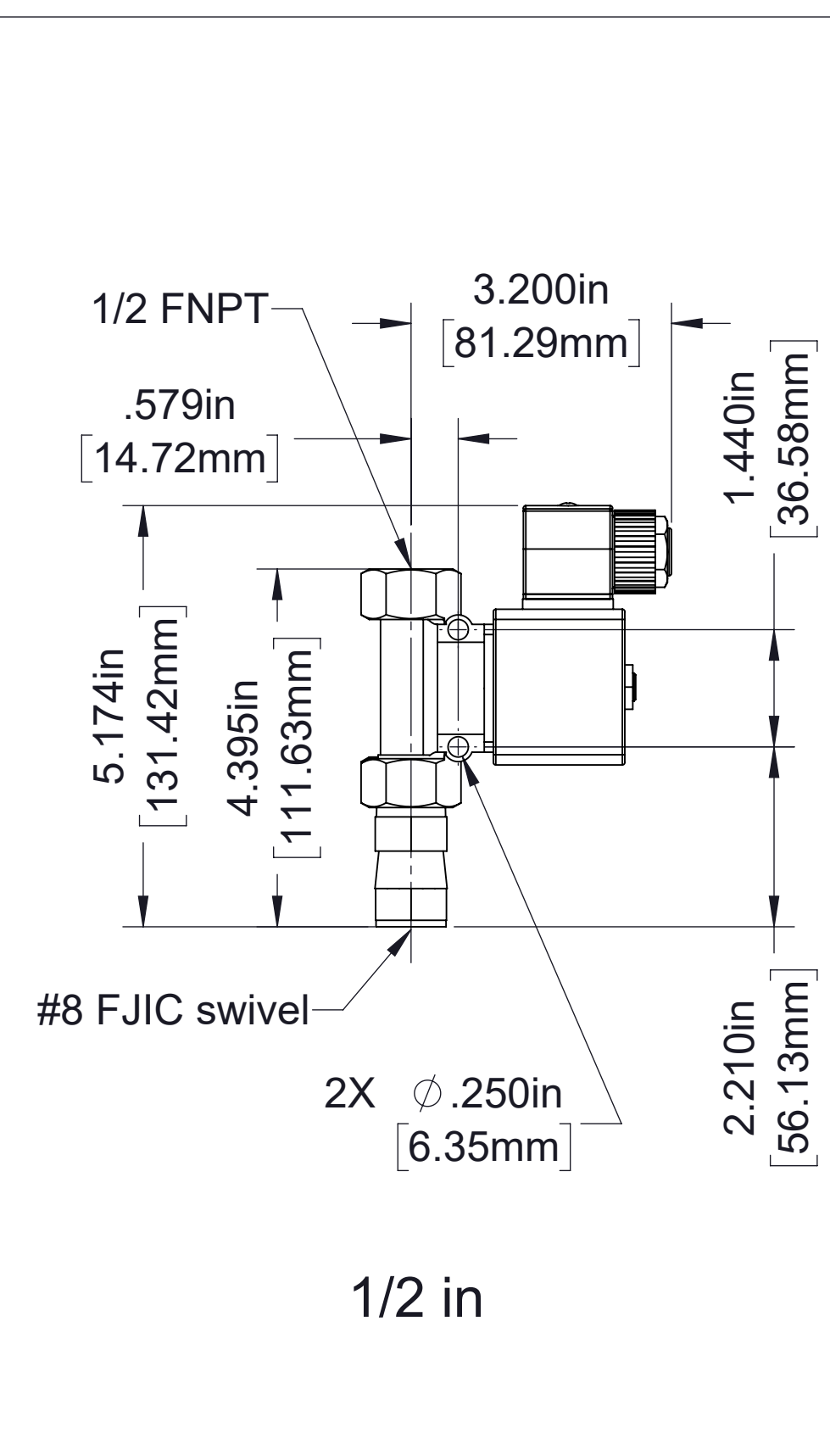


**4 Port Manifold**  
Order part number 83360-1B



**5 Port Manifold**  
Order part number 83360-1C

**Optional Air Distribution Manifolds**

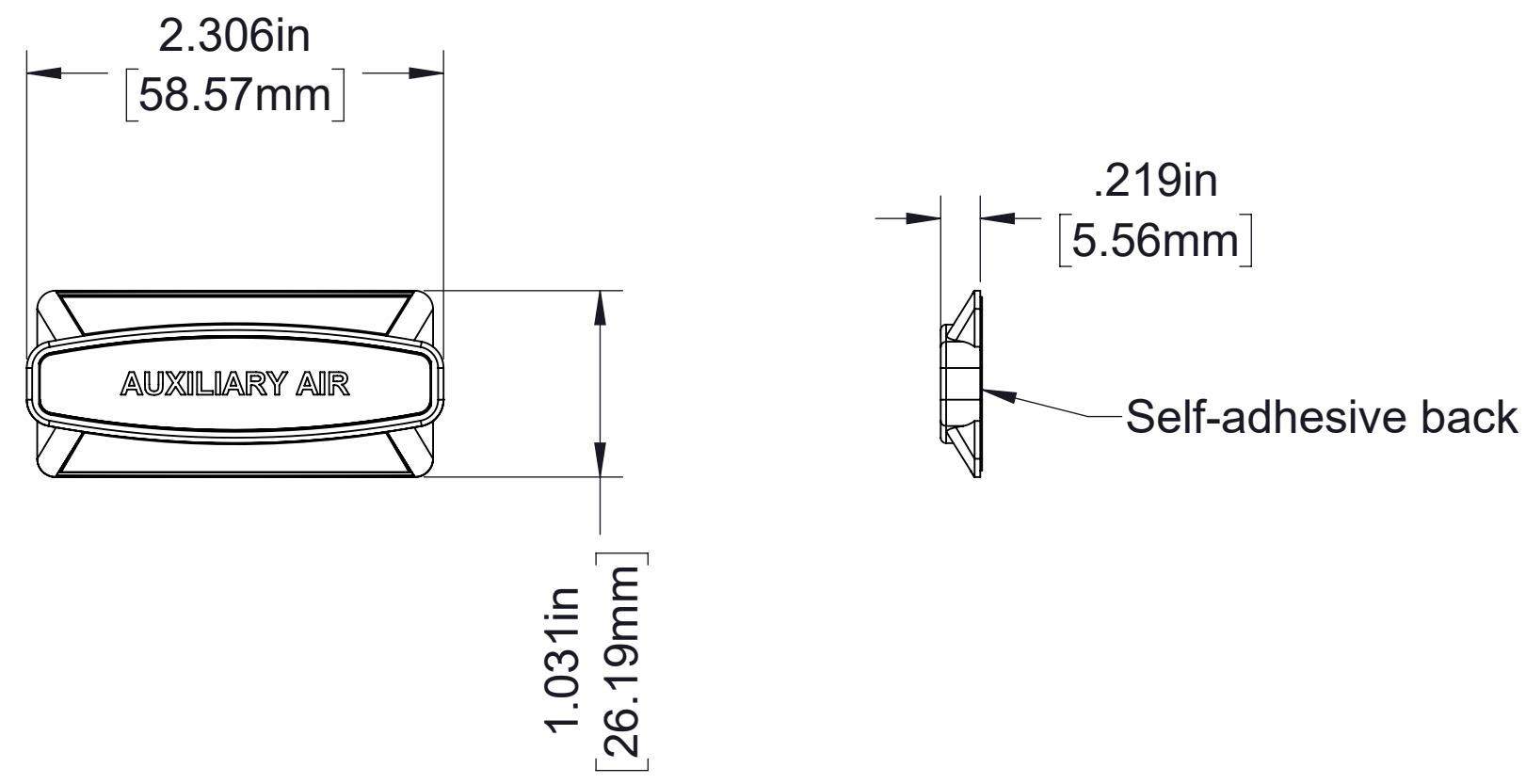


**Electric Valves**

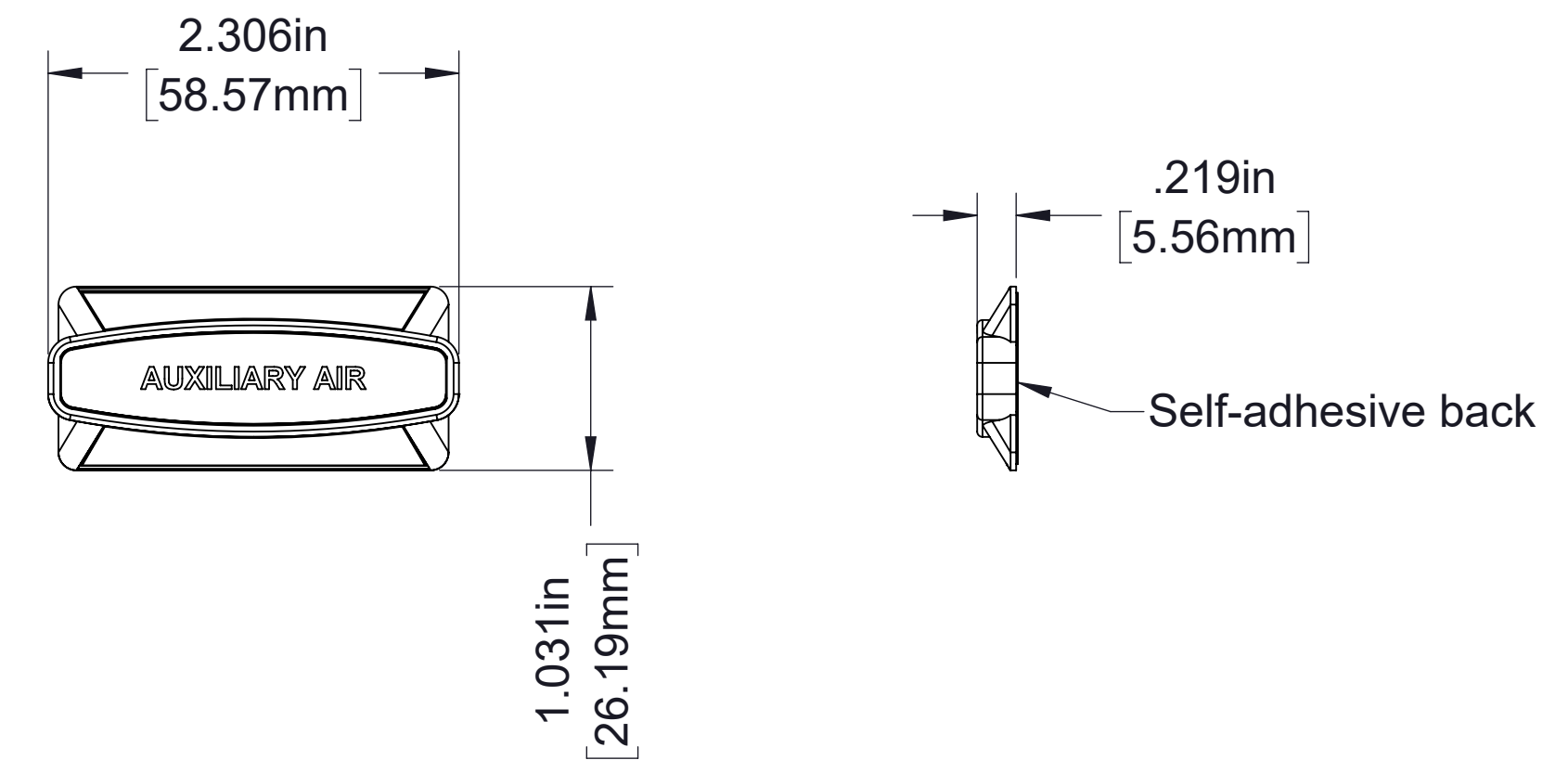
**Manual Valves**

**Optional Air Valves**

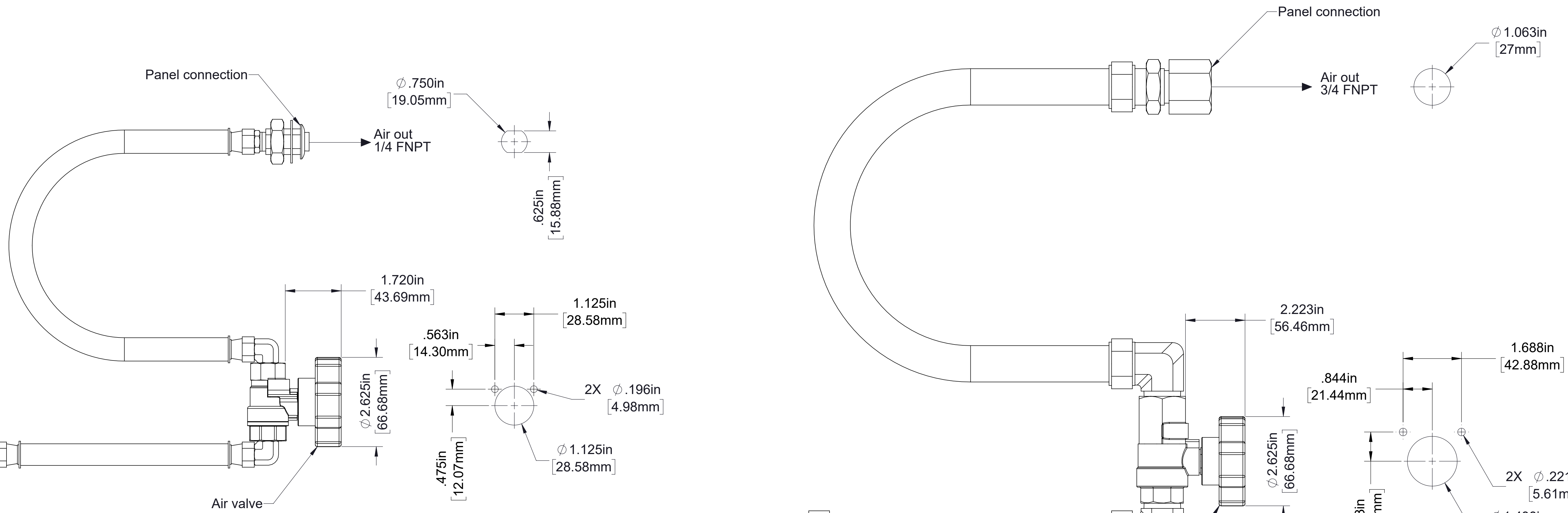




Label  
(Panel bezel)



Label  
(Panel bezel)



From air Manifold,  
#6 FJIC

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

Panel Cut-Out

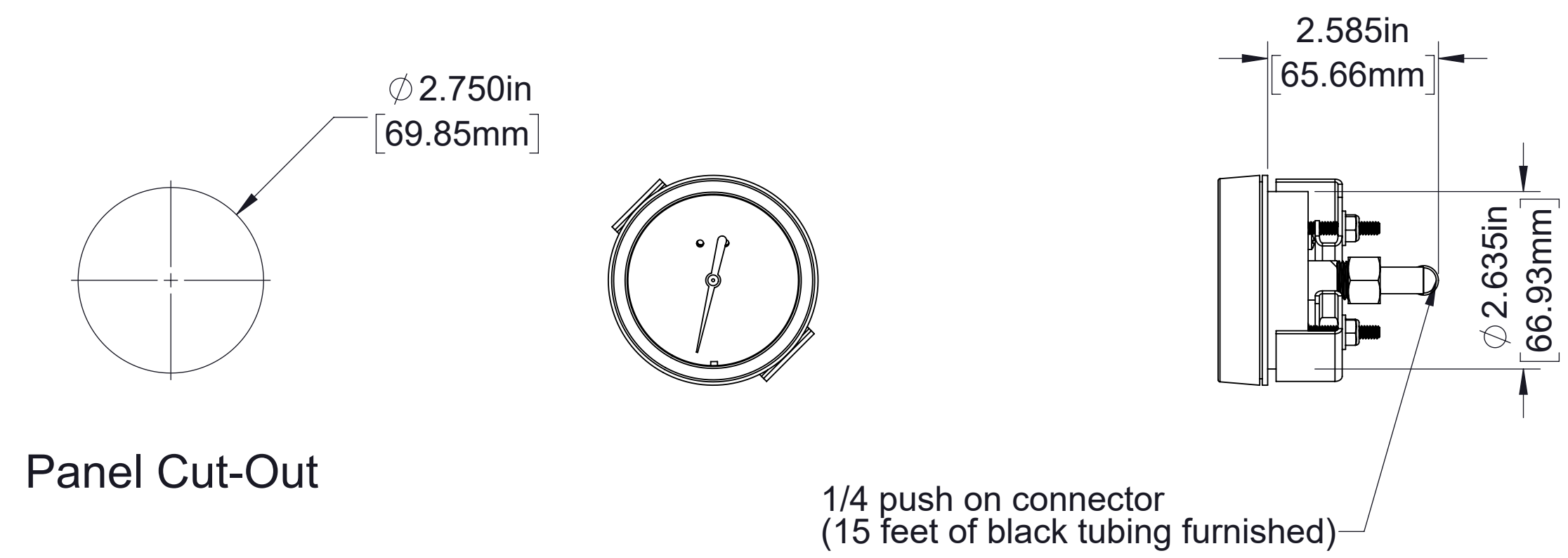
From air manifold,  
3/4 MNPT

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

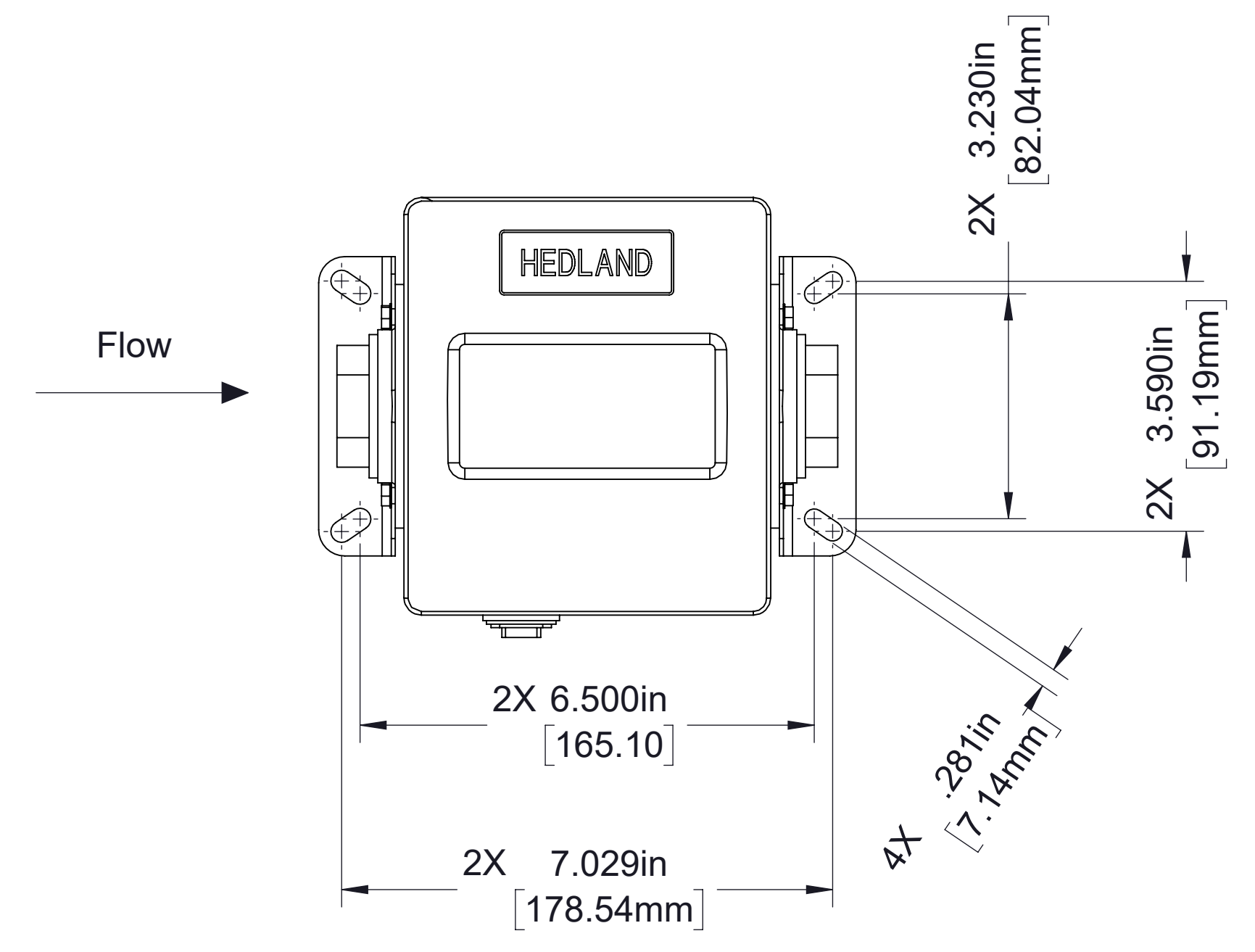
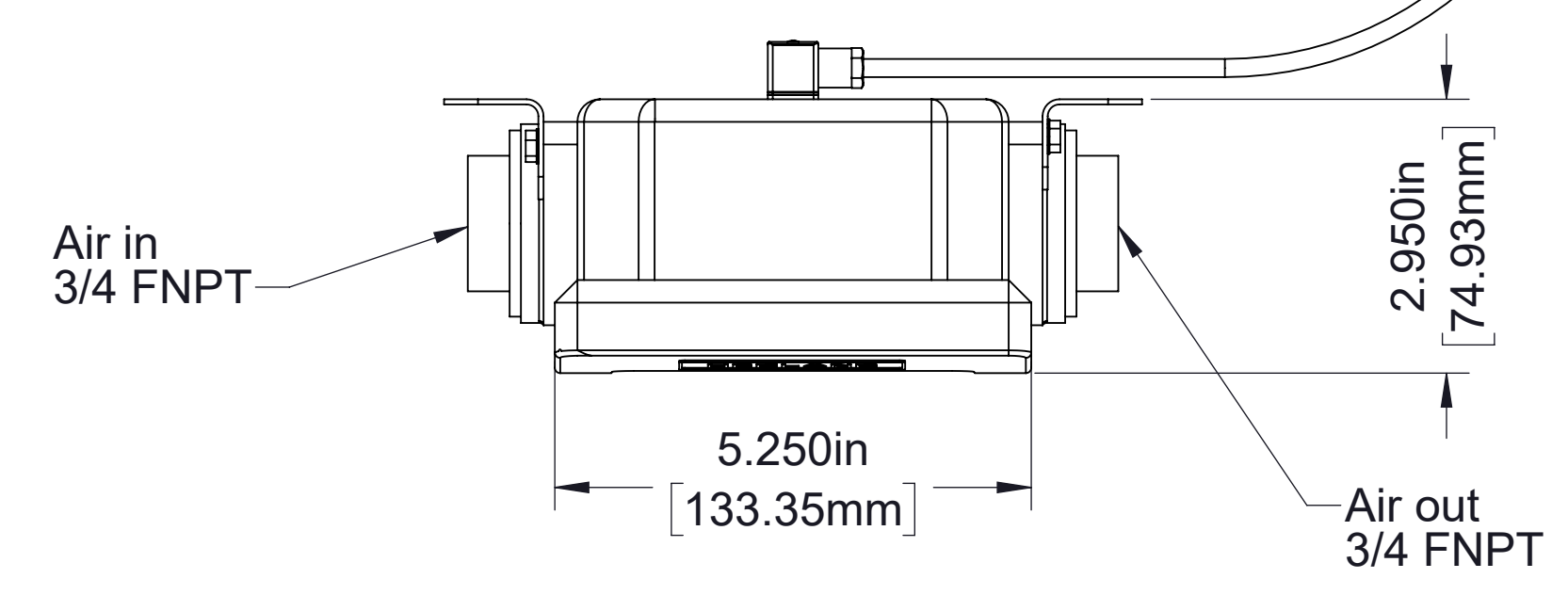
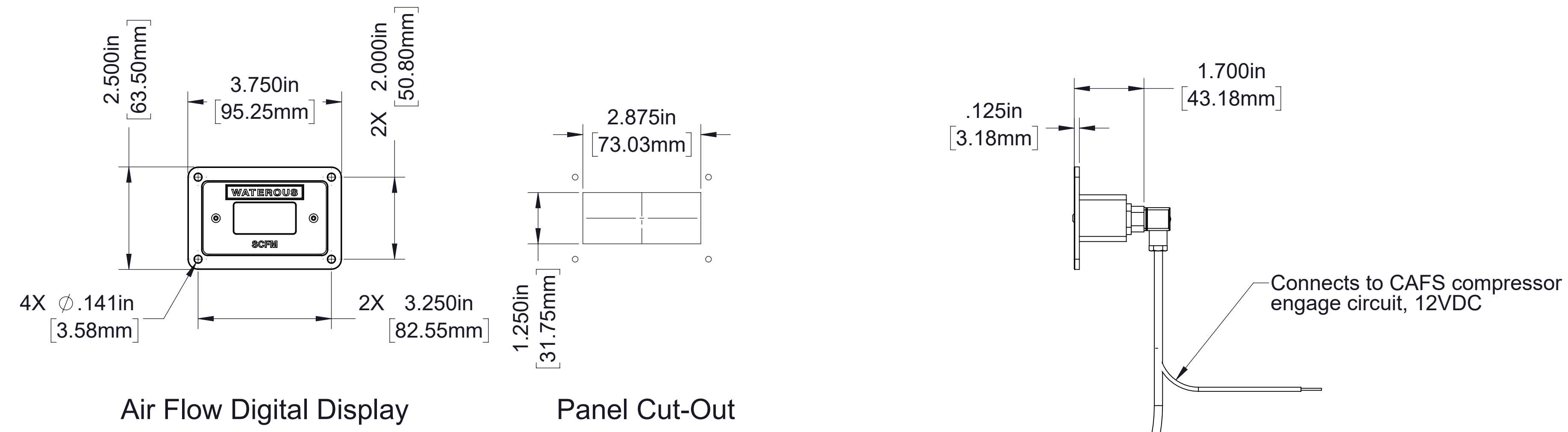
Air valve

Panel Cut-Out

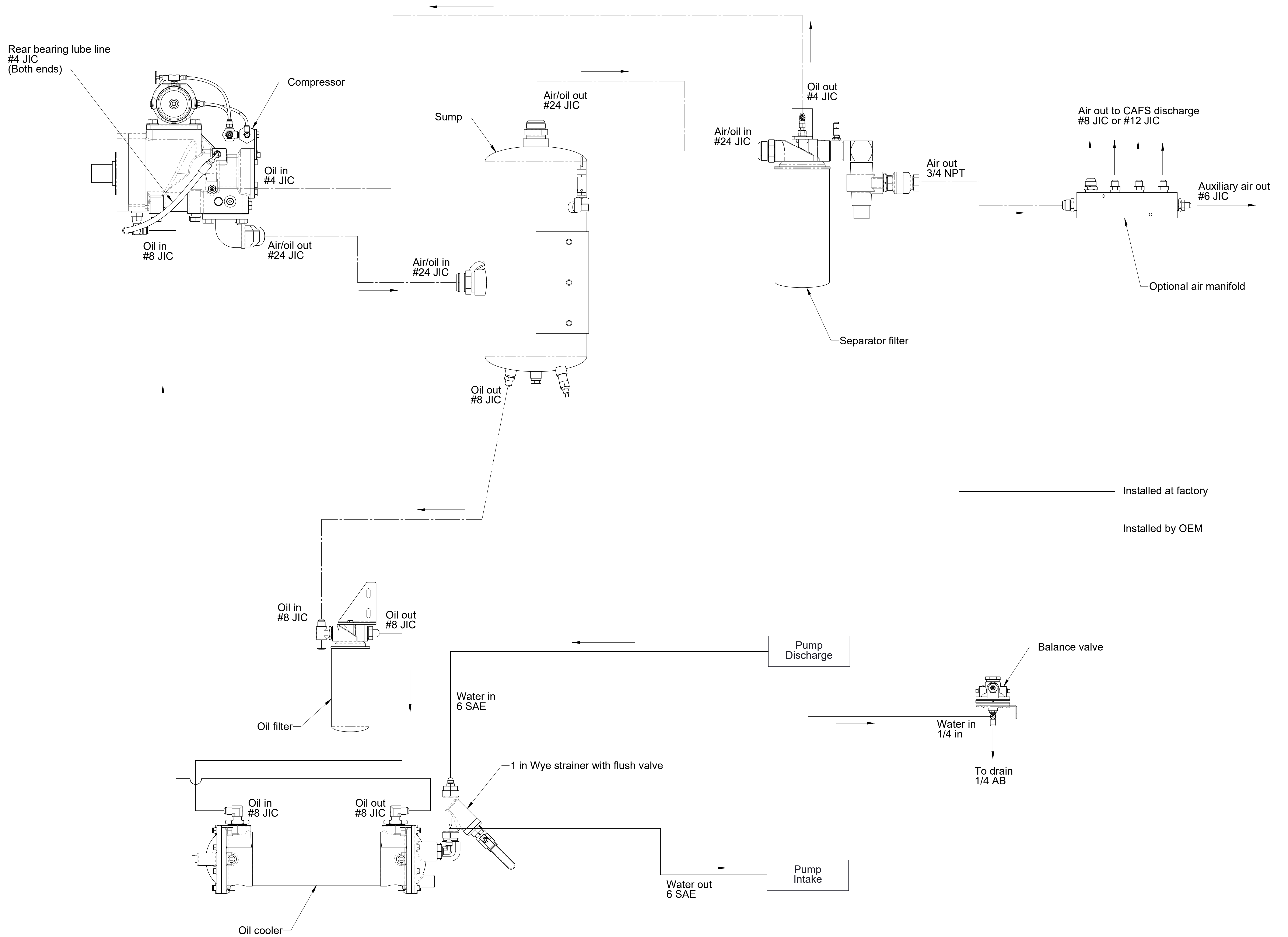
**Auxiliary Air Connection**



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

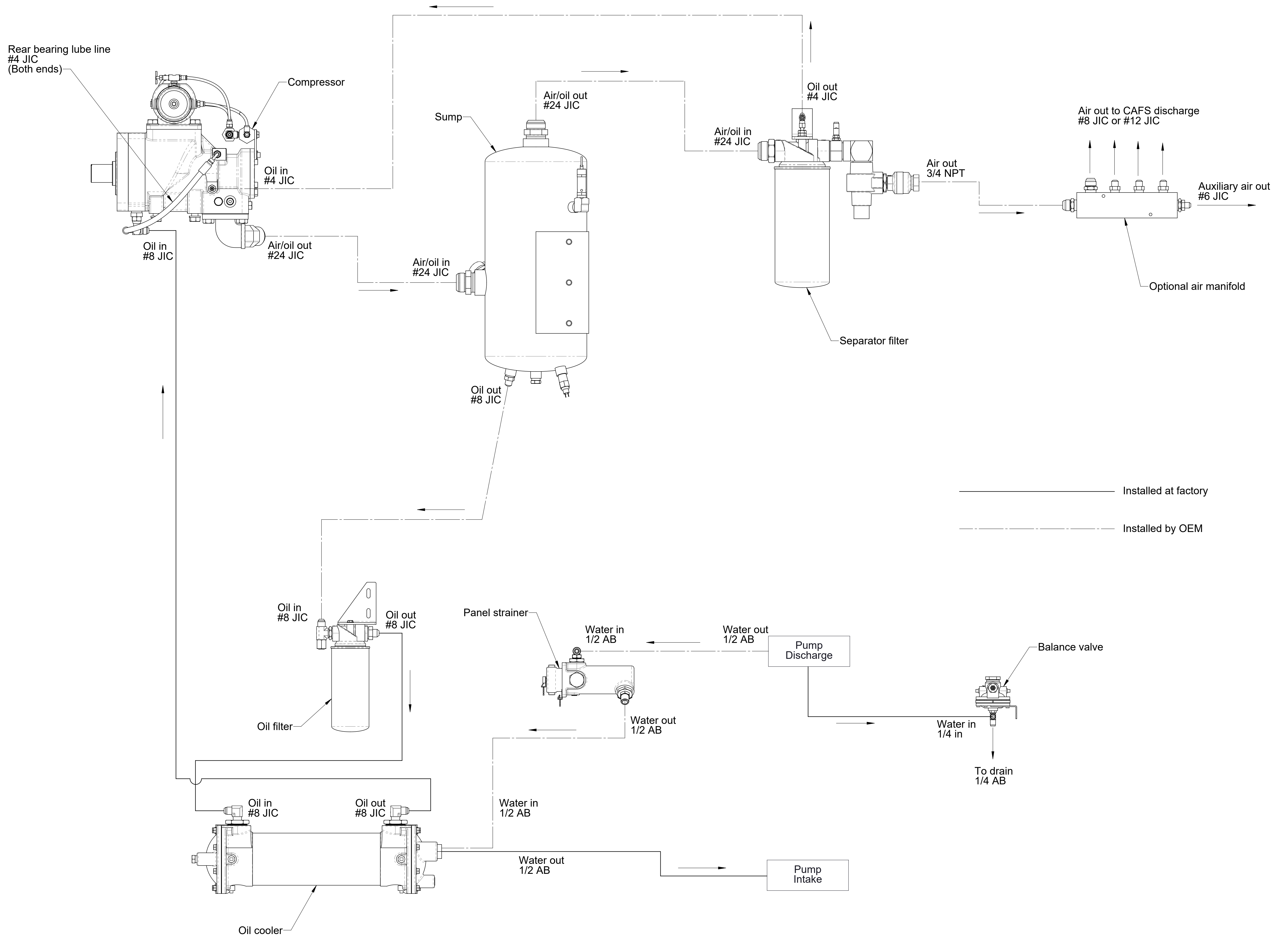


**Optional Digital Air Flow Meter**  
 Order part number Q-0390024, 12V



**Hydraulic Schematic**  
With in-line oil cooler strainer

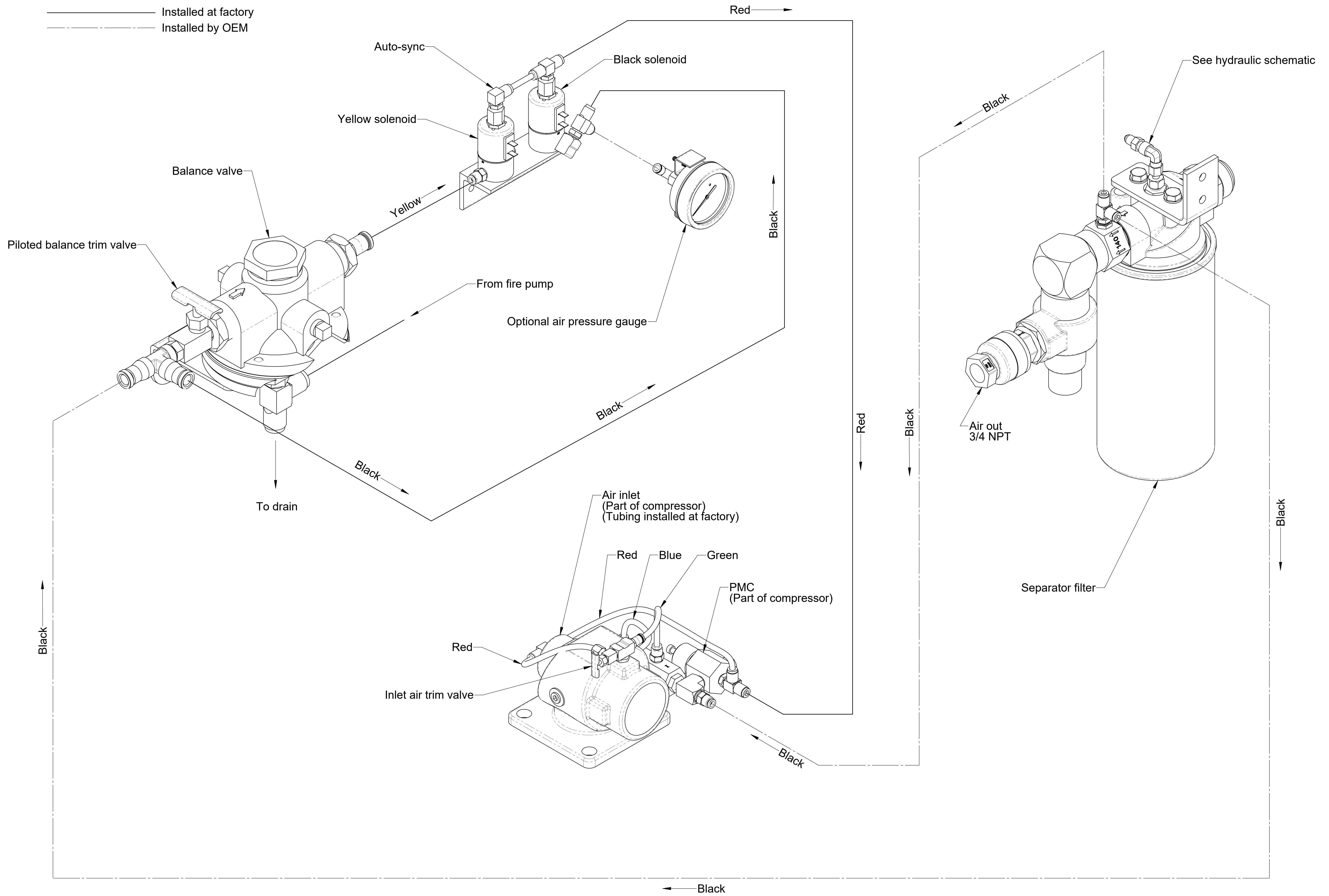




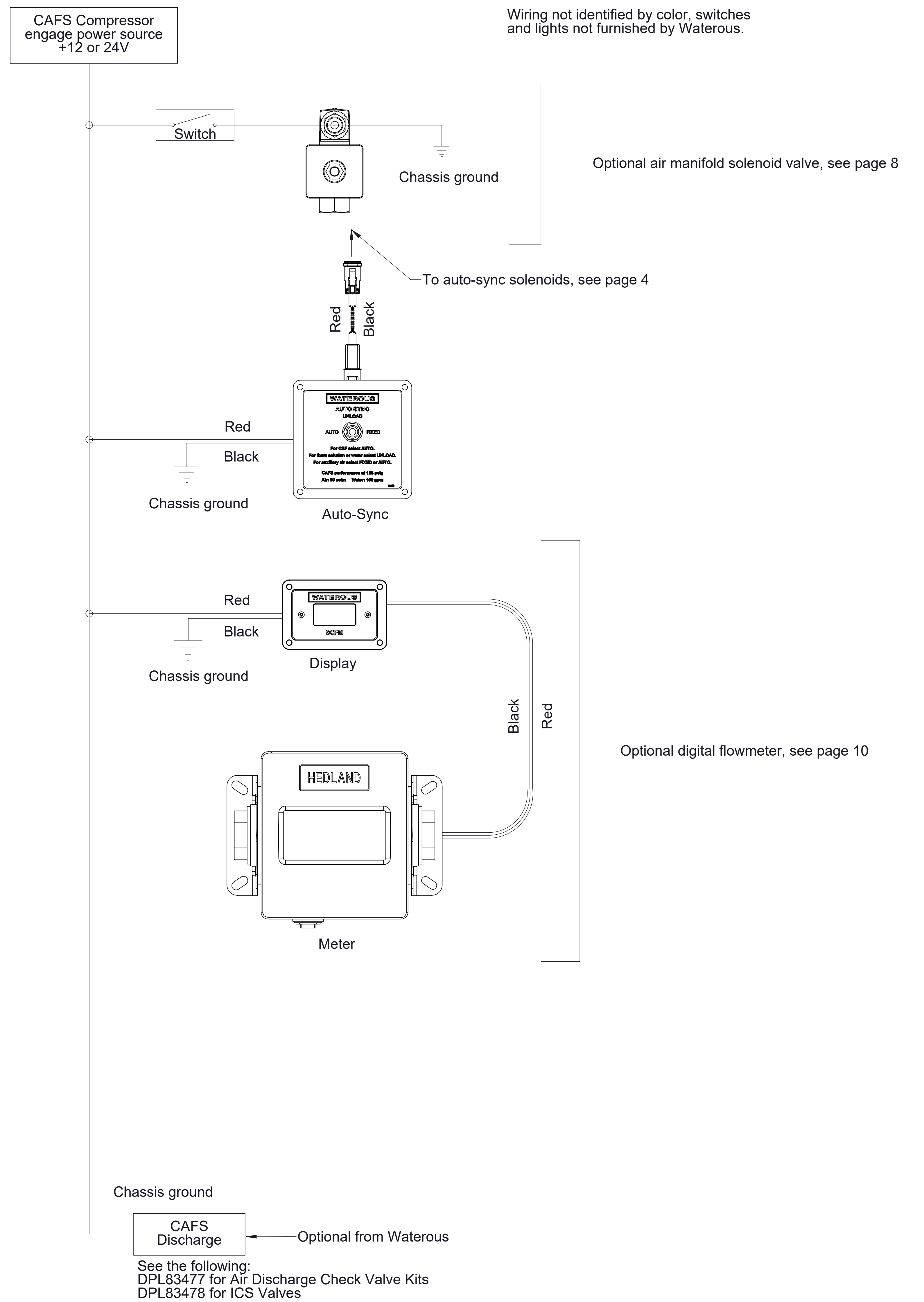
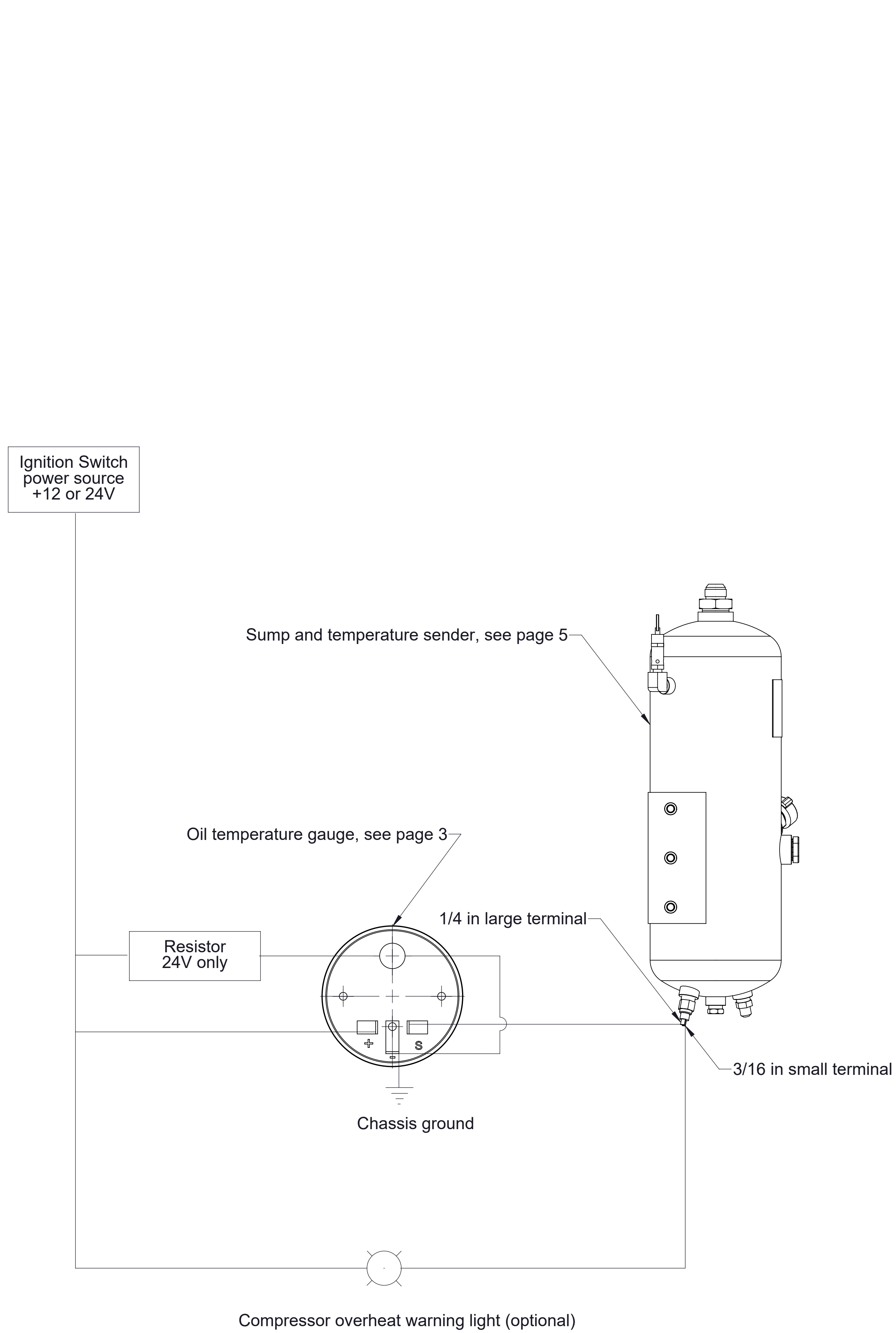
**Hydraulic Schematic**  
With panel mounted oil cooler strainer

Air Line Tubing Furnished		
Size	Color	Length
1/4 in	Black	20 Feet

— Installed at factory  
 - - - - - Installed by OEM



**Air Circuit Schematic**  
 (All models)



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