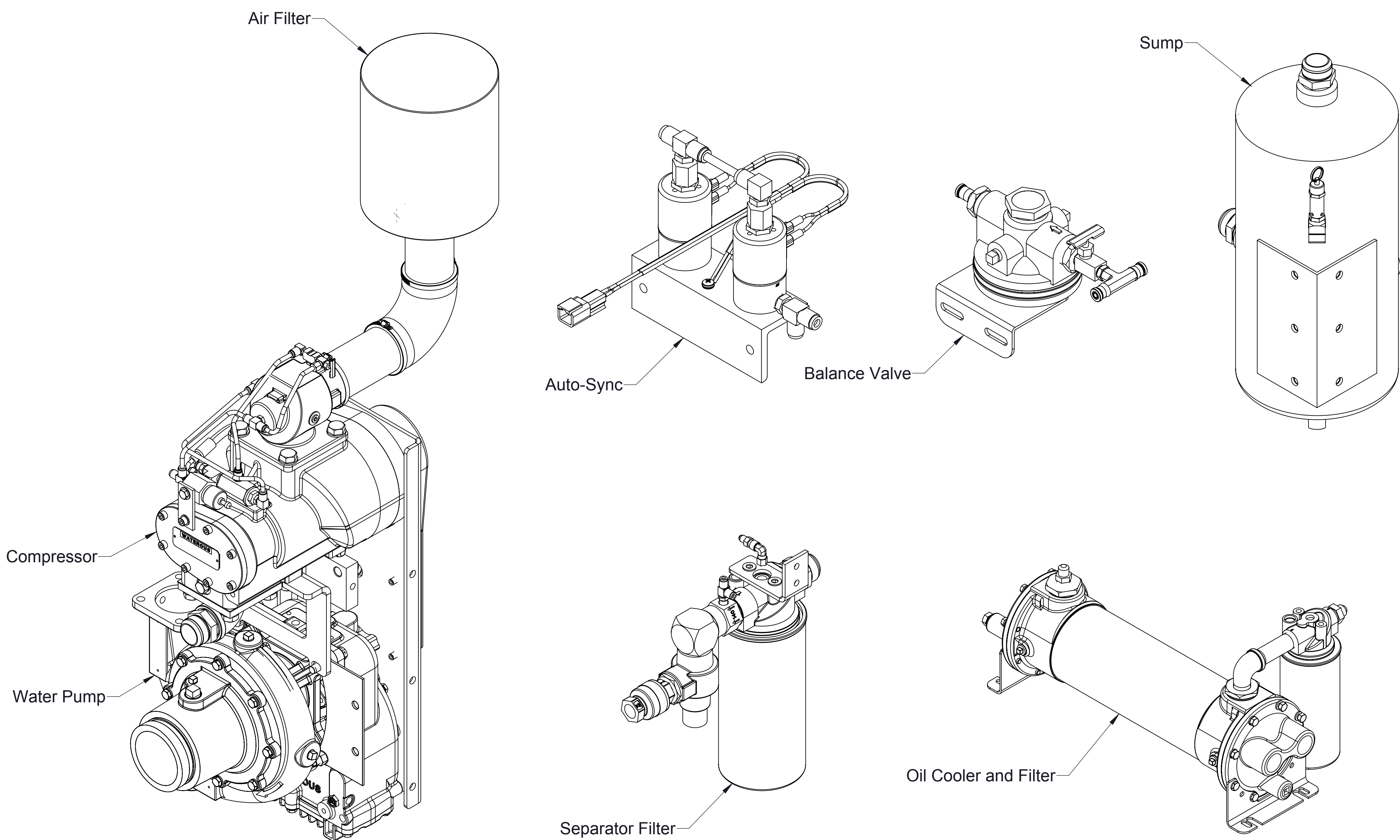


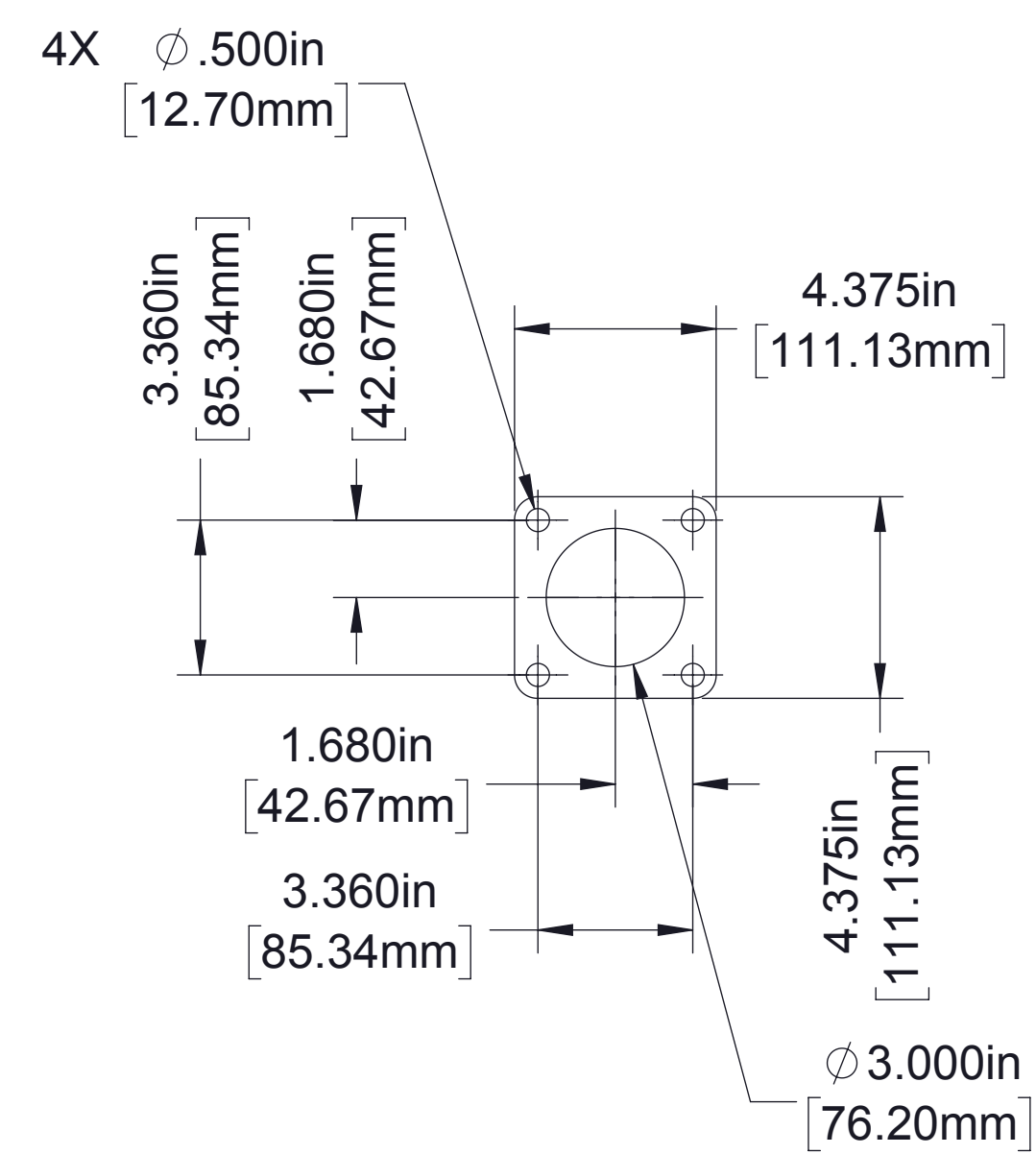
PTO Compressor System Dimensional Drawings

Model 500-150-P  
Includes fire pump model CLVK

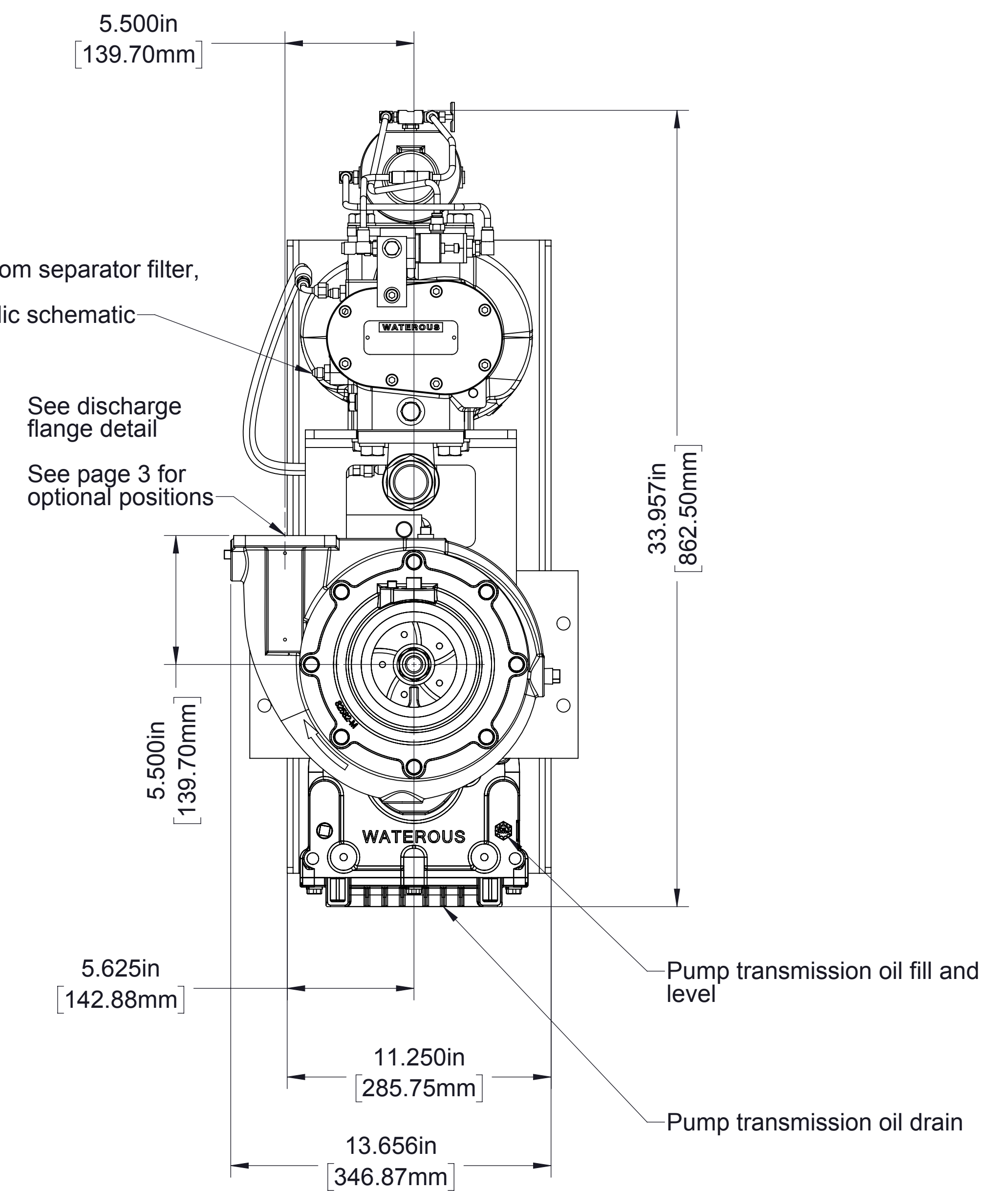
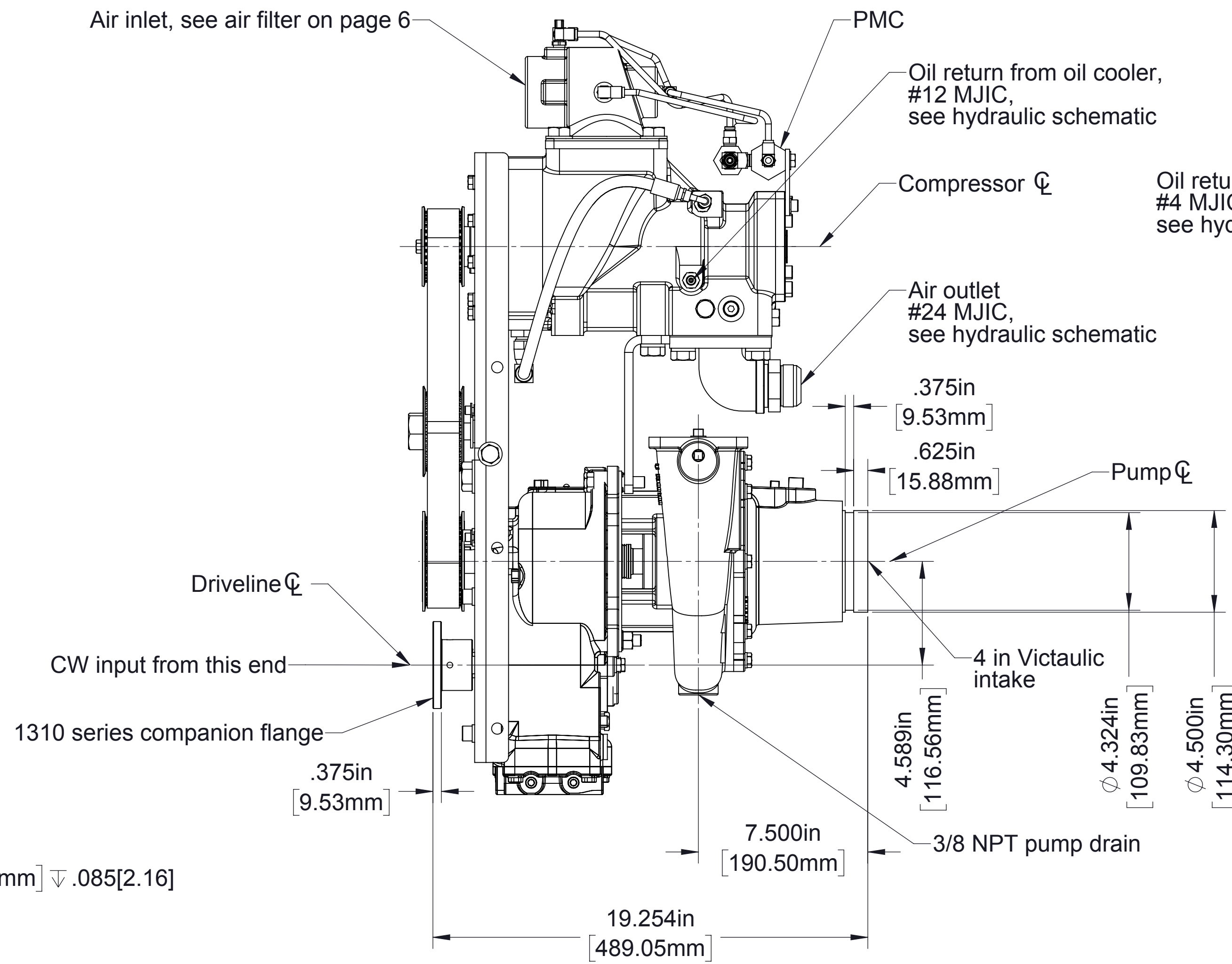
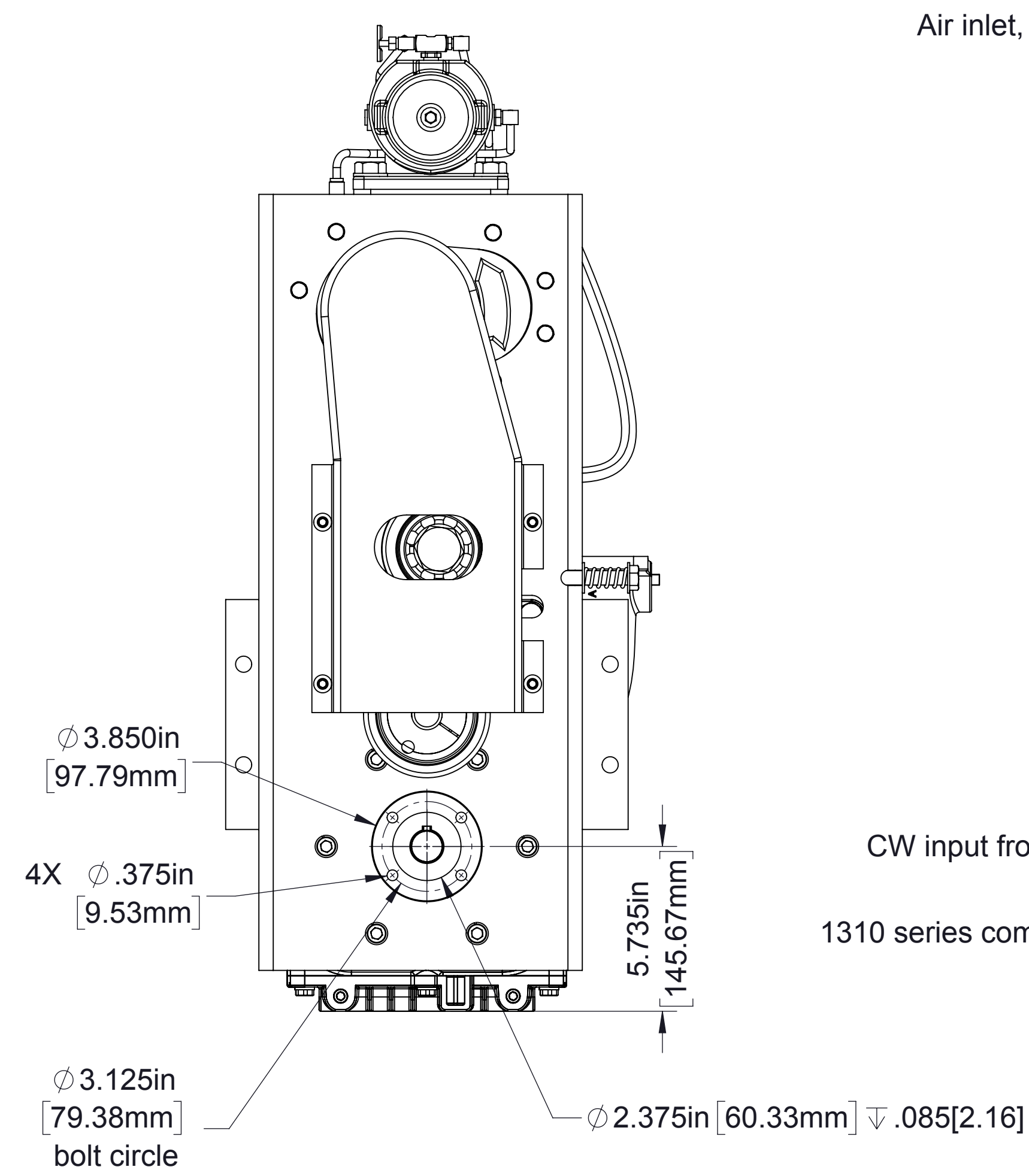


Standard Components:	Page
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• Available Pump Discharge Positions	3
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• Air Filter	6
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Optional Components:	
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• Digital Flow Meter	11
• Sump Vent	11
• Oil Inject Check Valve	See DPL83810
• Hose and Fitting Kit	See DPL83810
CAF Discharge:	
• Air Discharge Check Valve Kits	See DPL83477
• ICS Valves	See DPL83478
• Static Mixers	See DPL83603
• Manifolds	See DPL83682
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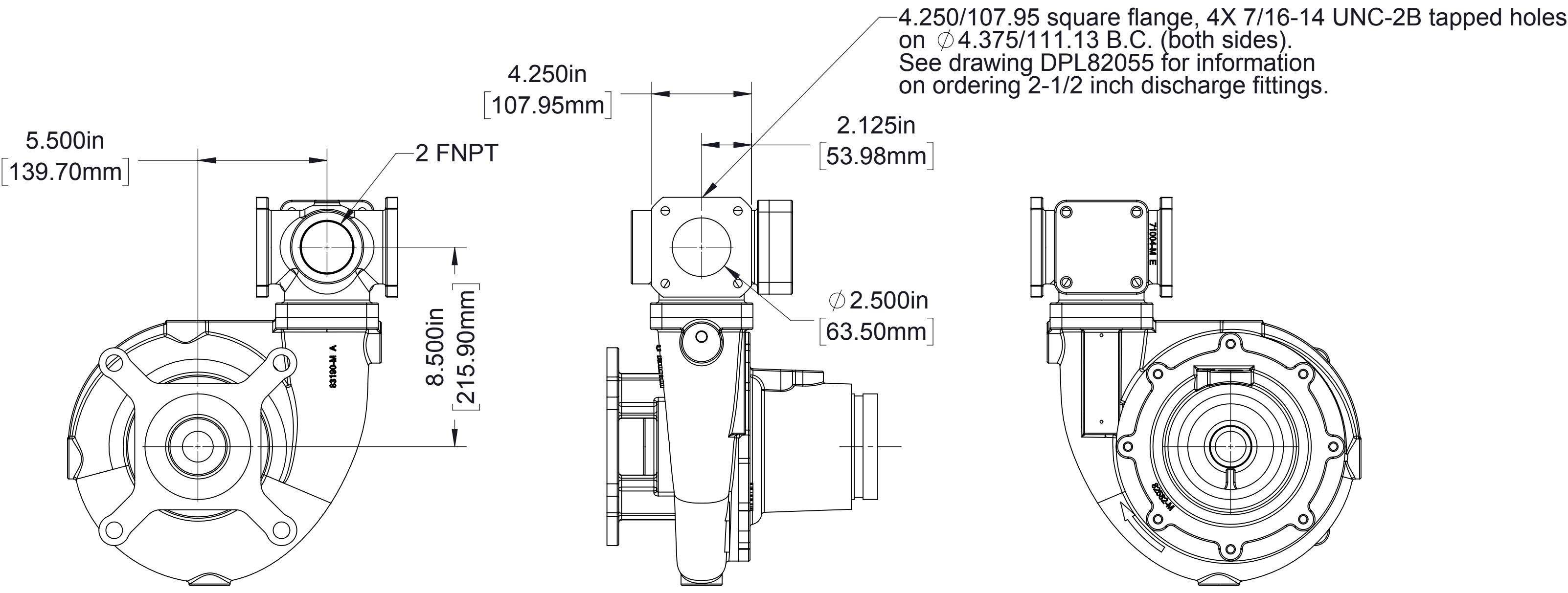
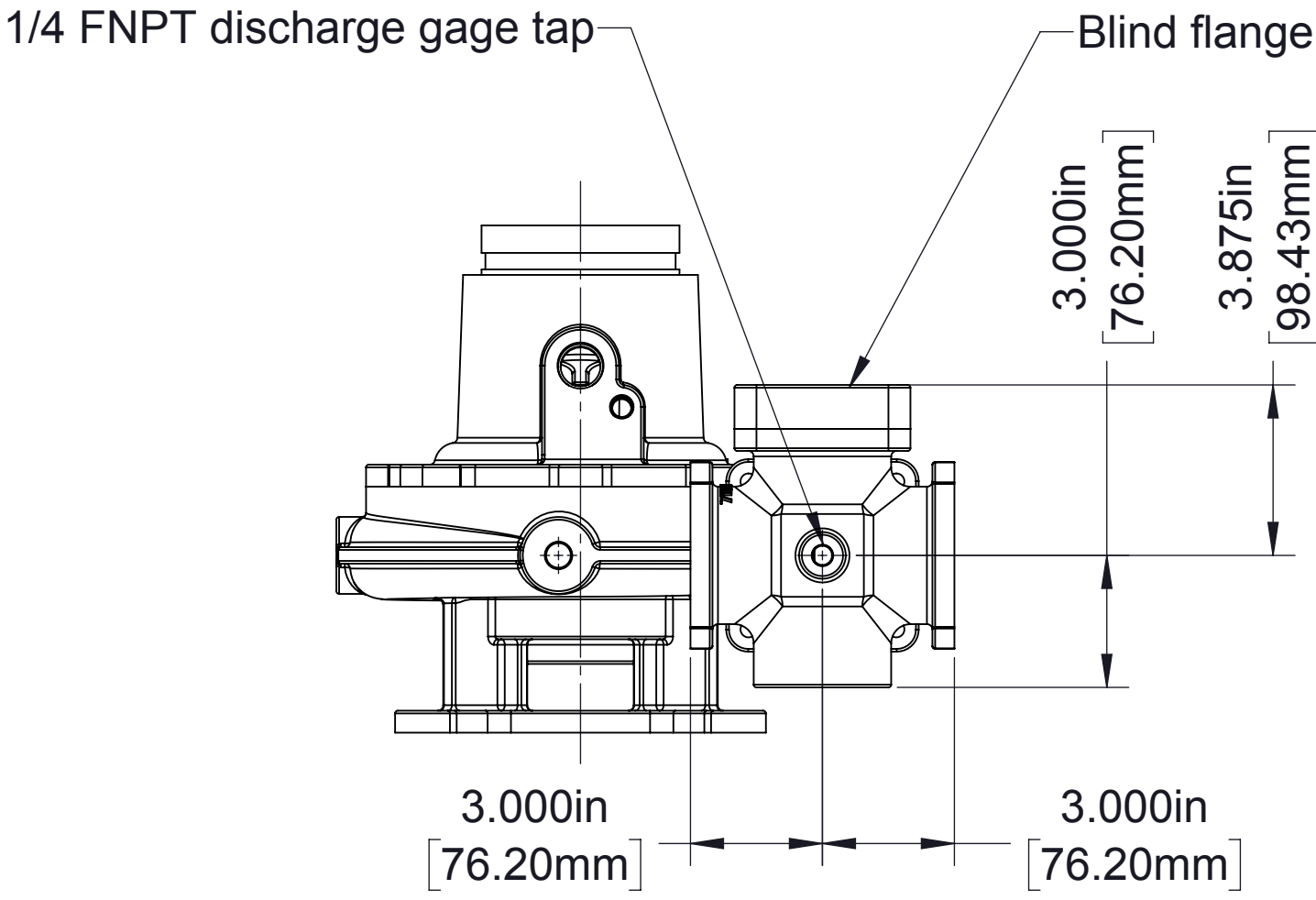




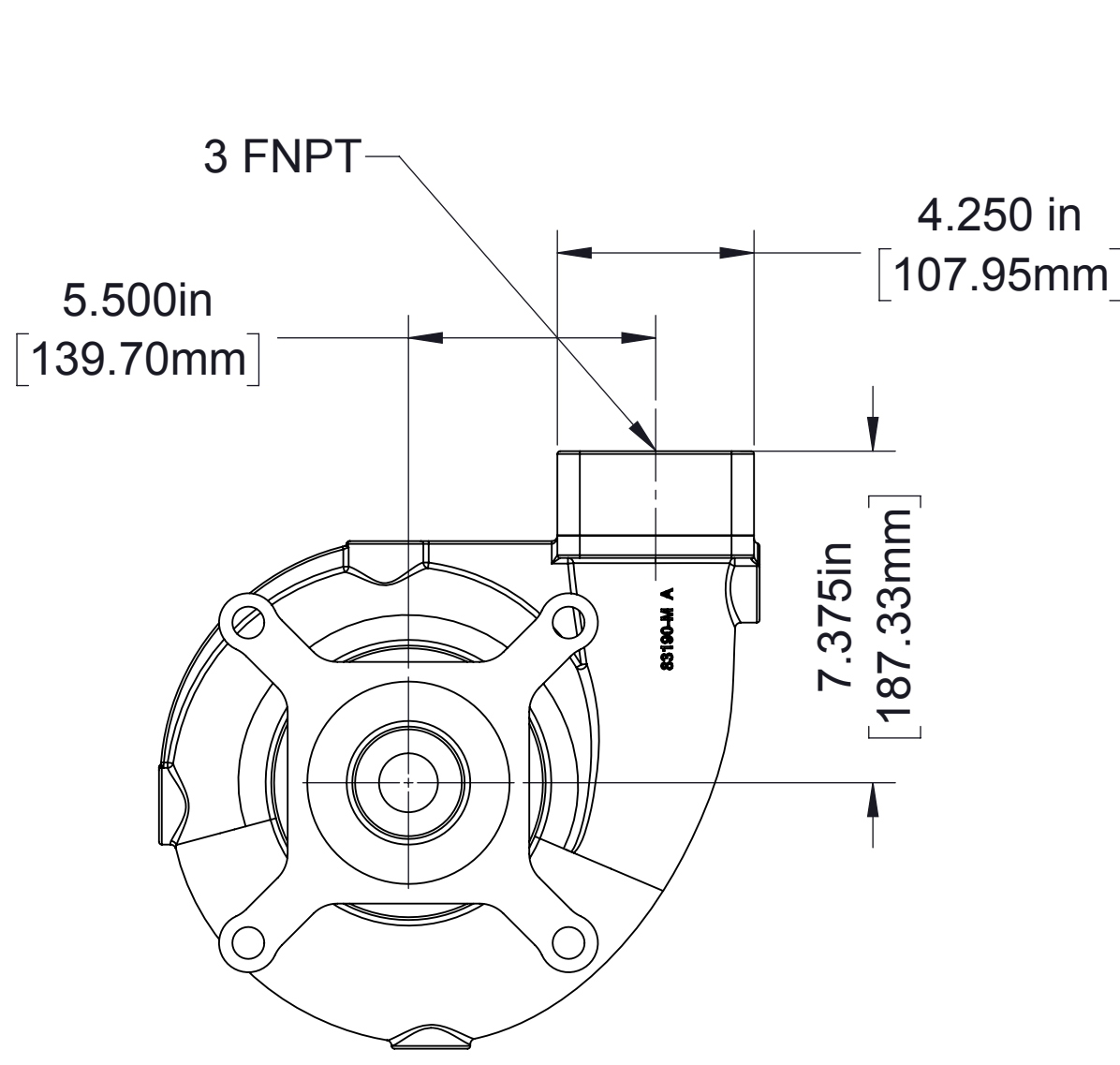
**Discharge Flange Detail**  
See optional fittings on page 3



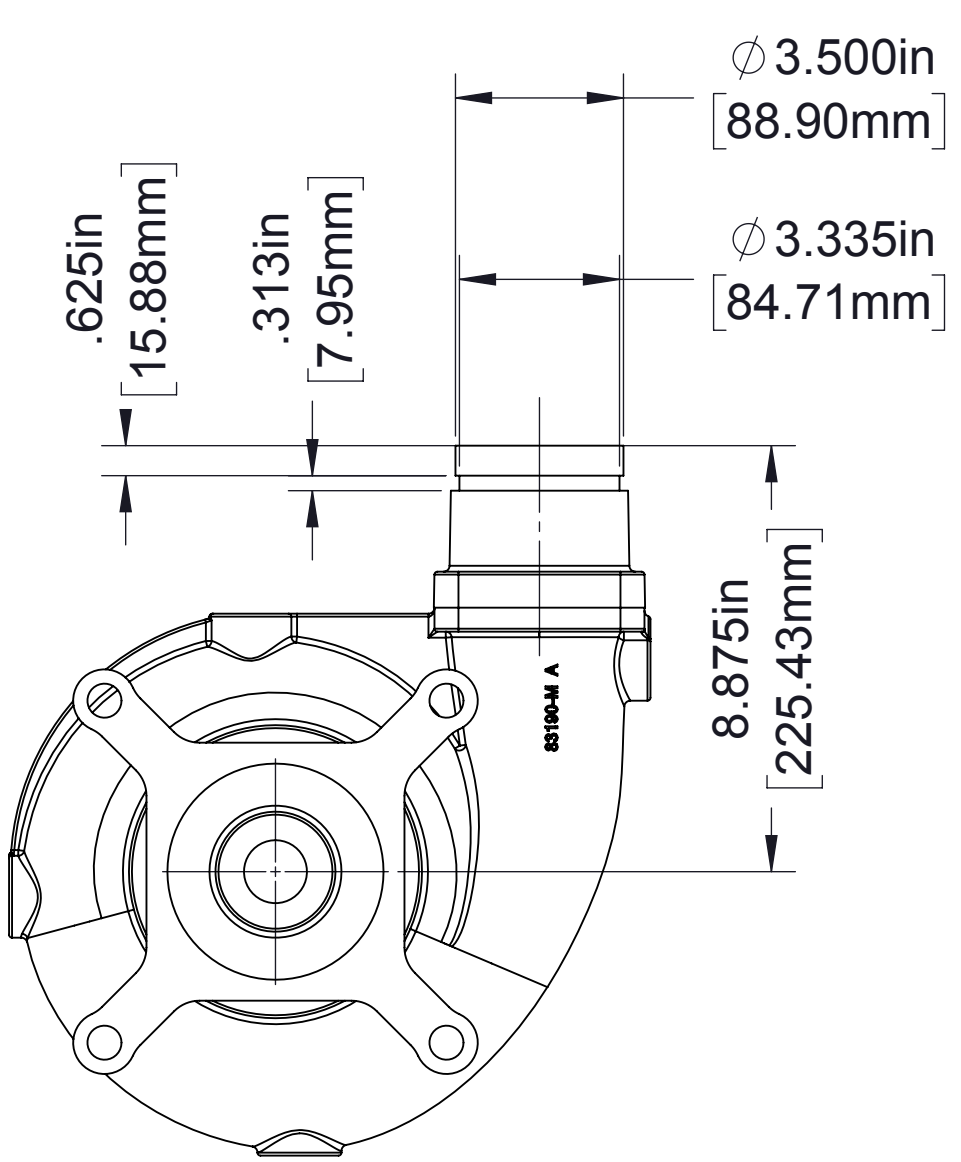
**Compressor and Water Pump**  
Up discharge position shown



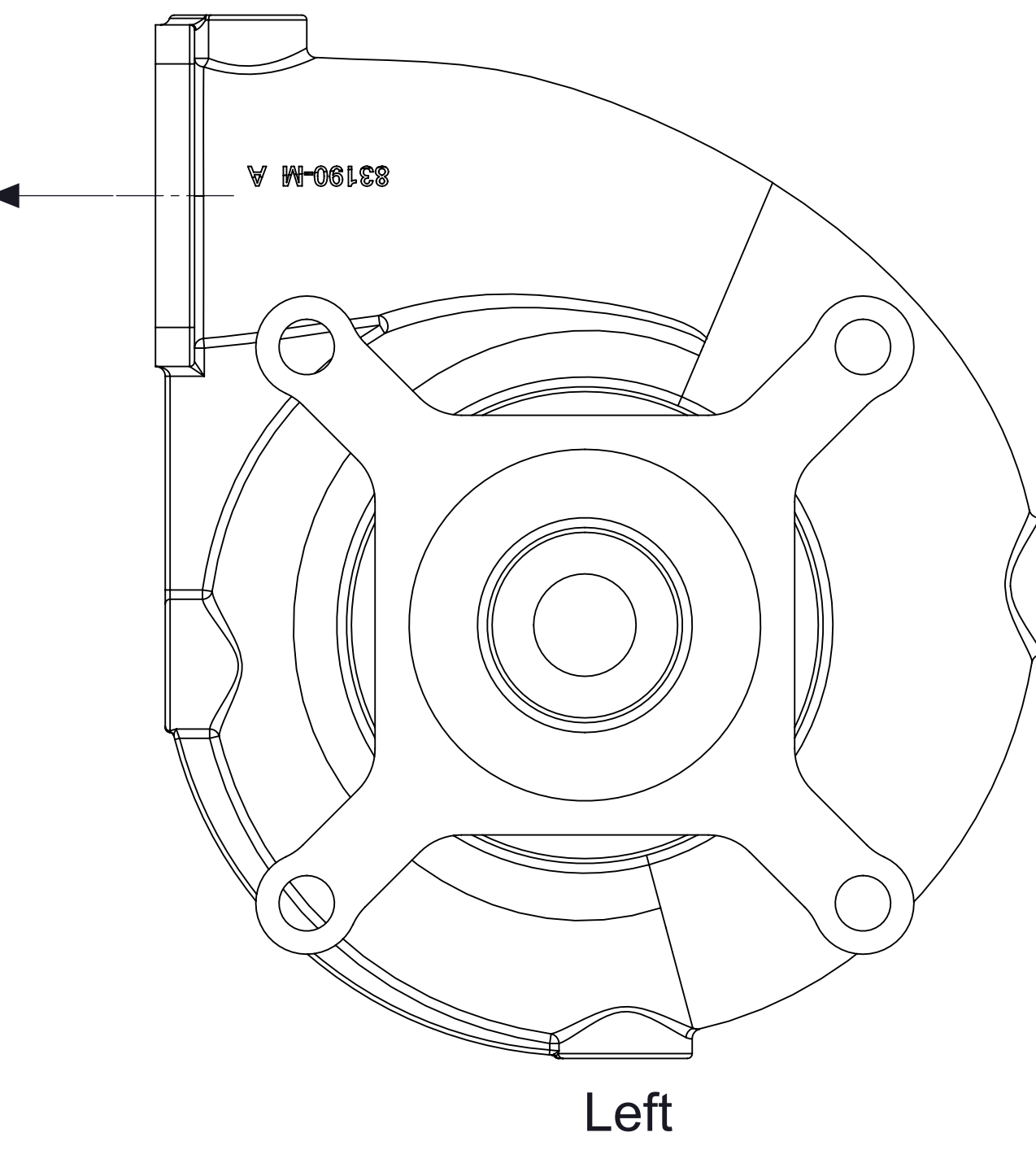
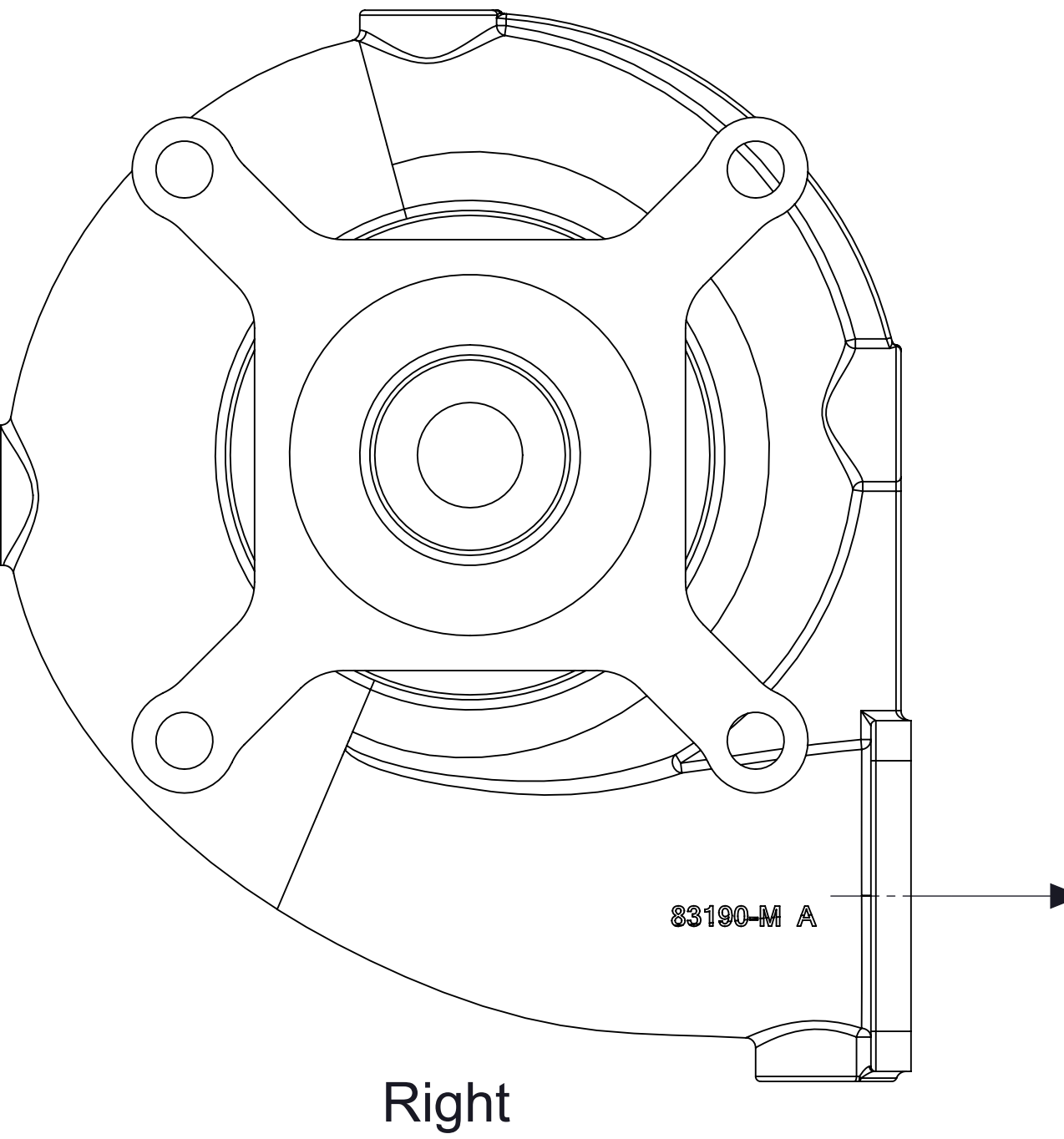
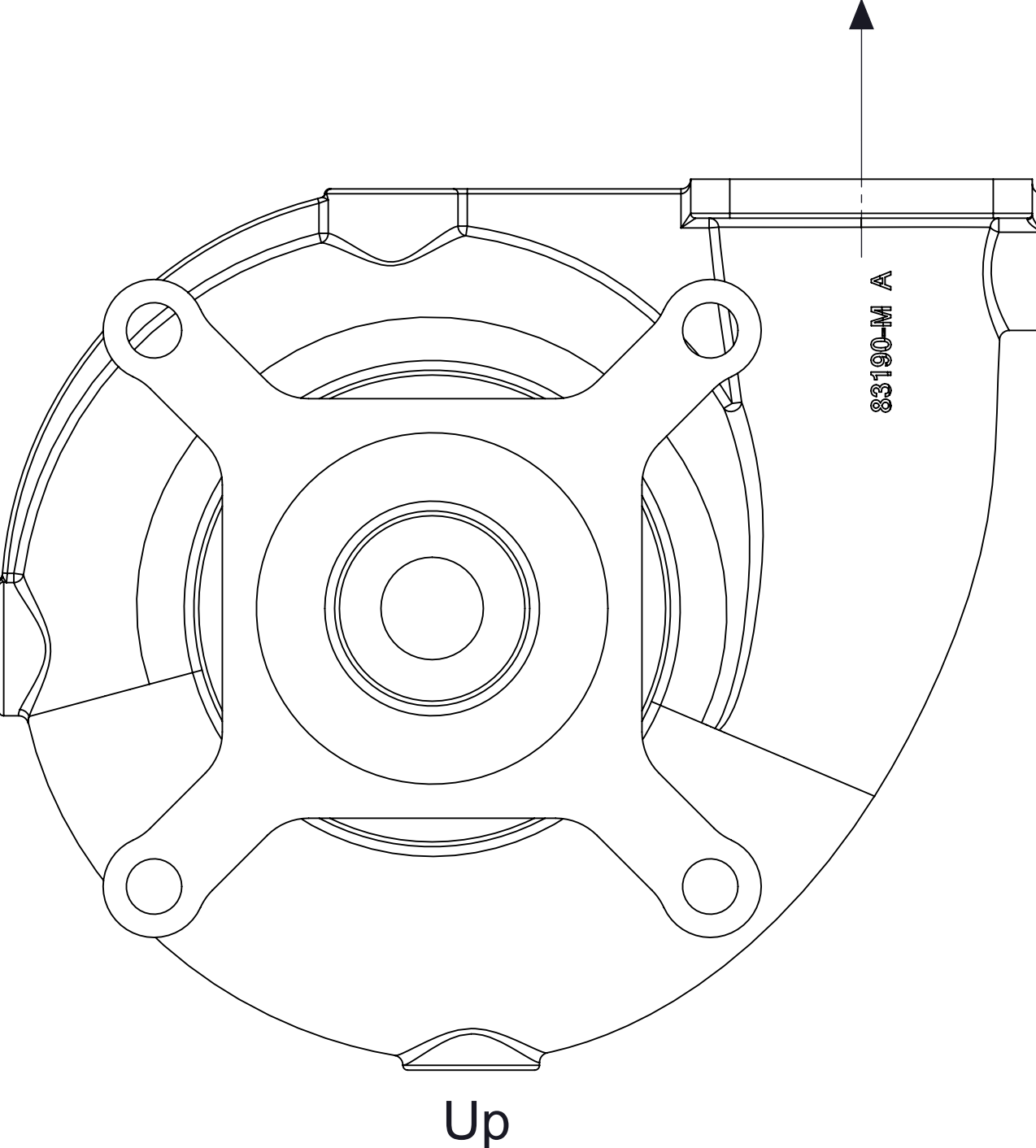
Optional Pump Discharge Head



Optional 3 NPT Tapped Flange

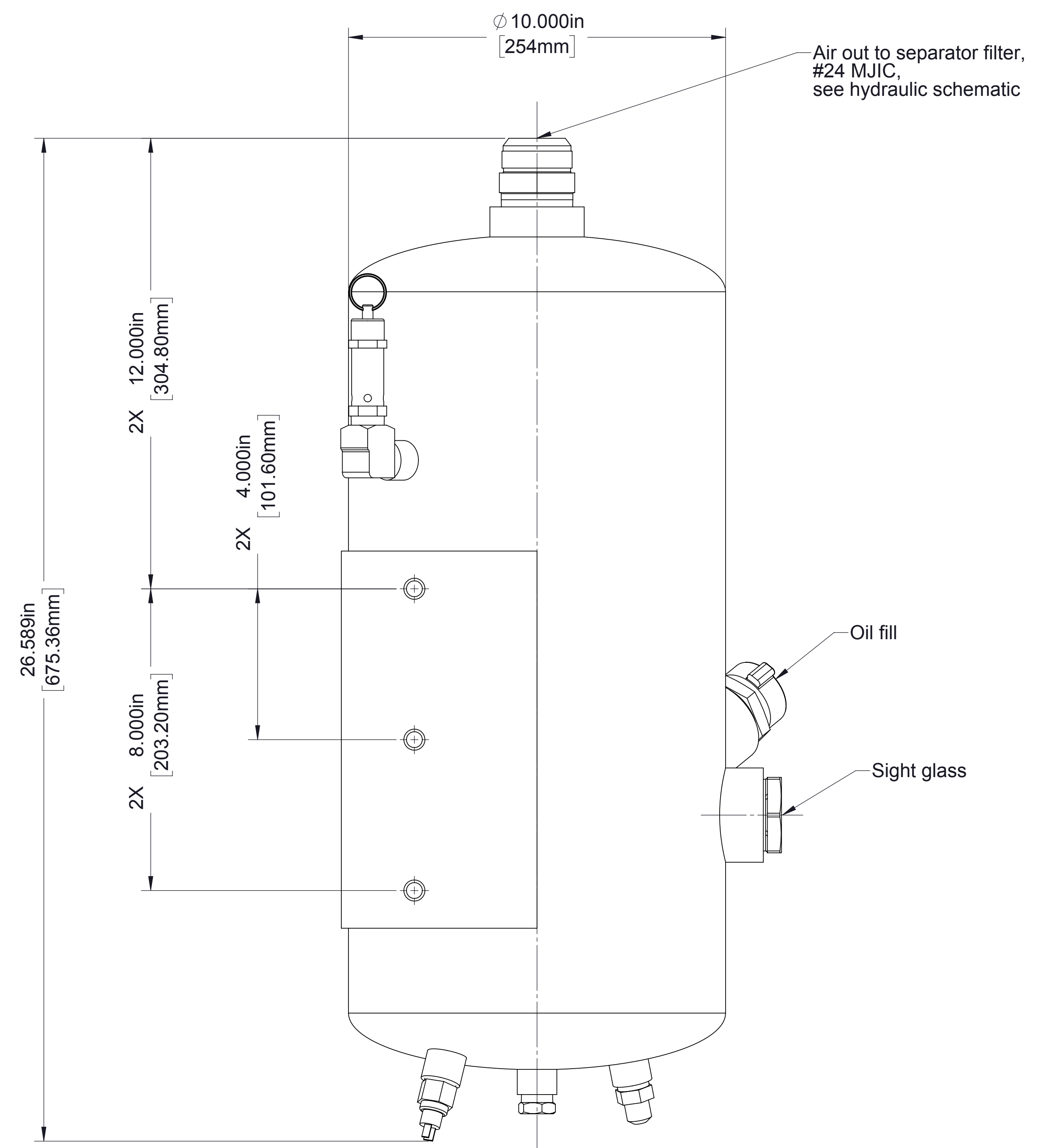
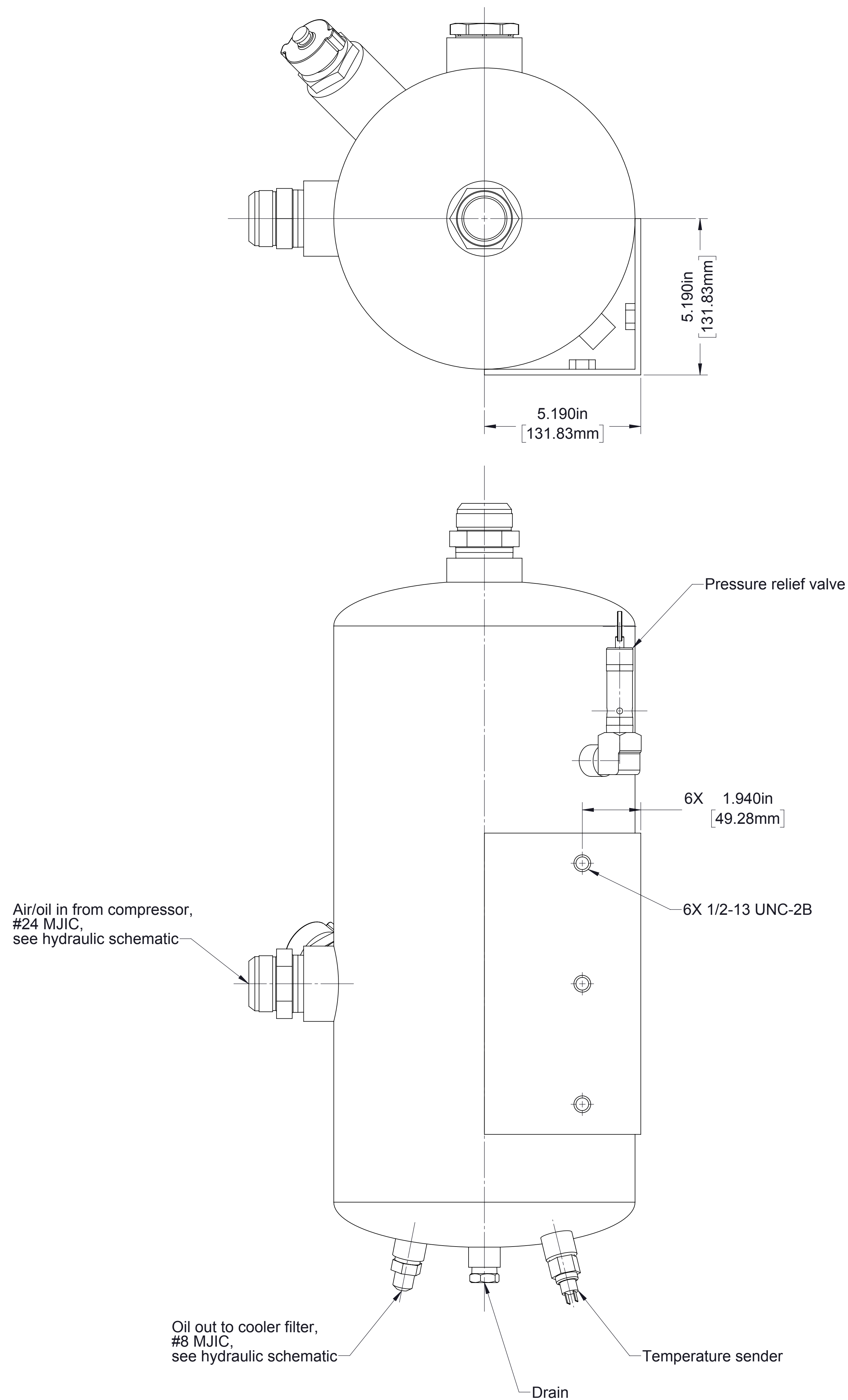


Optional 3 in Victaulic Flange

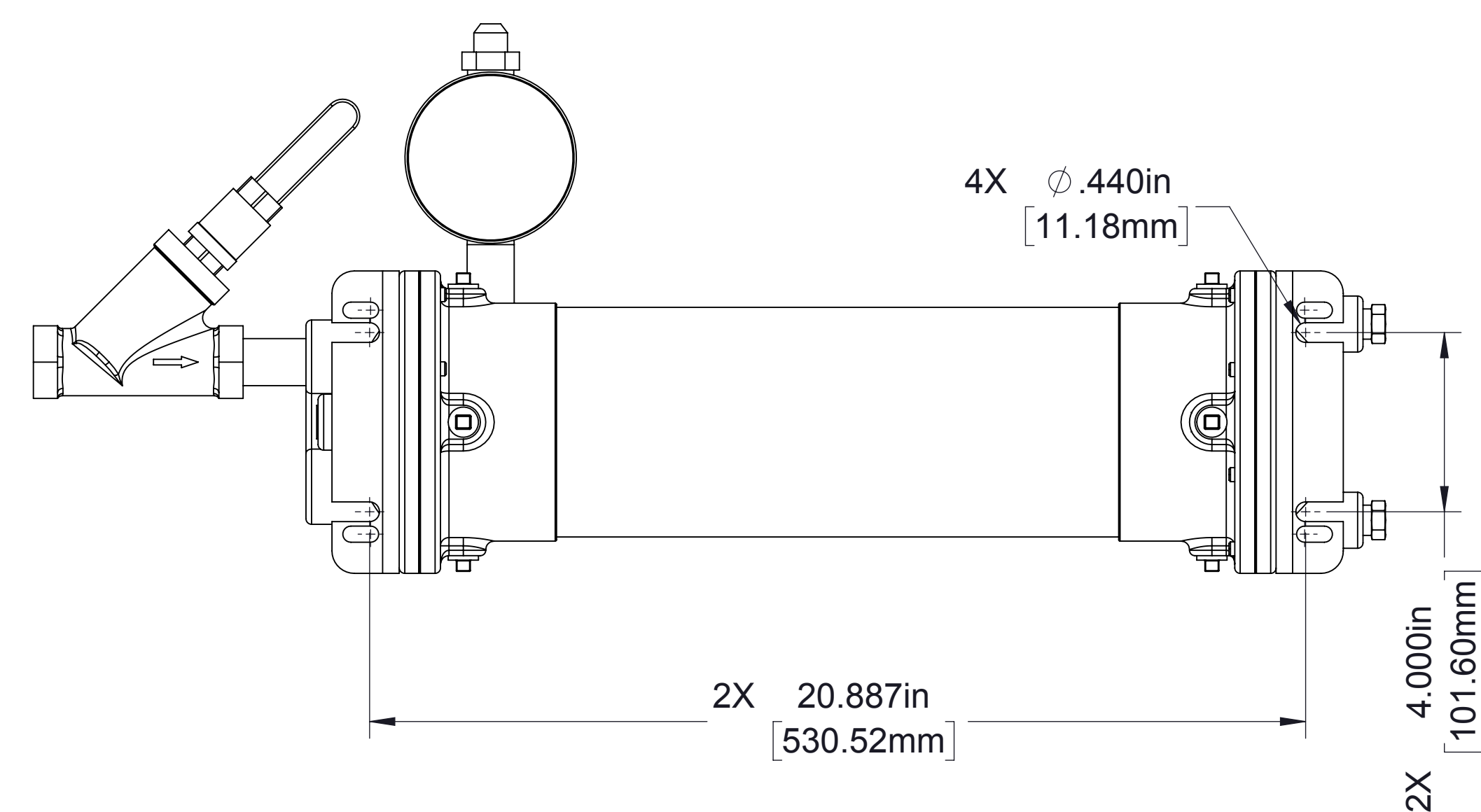
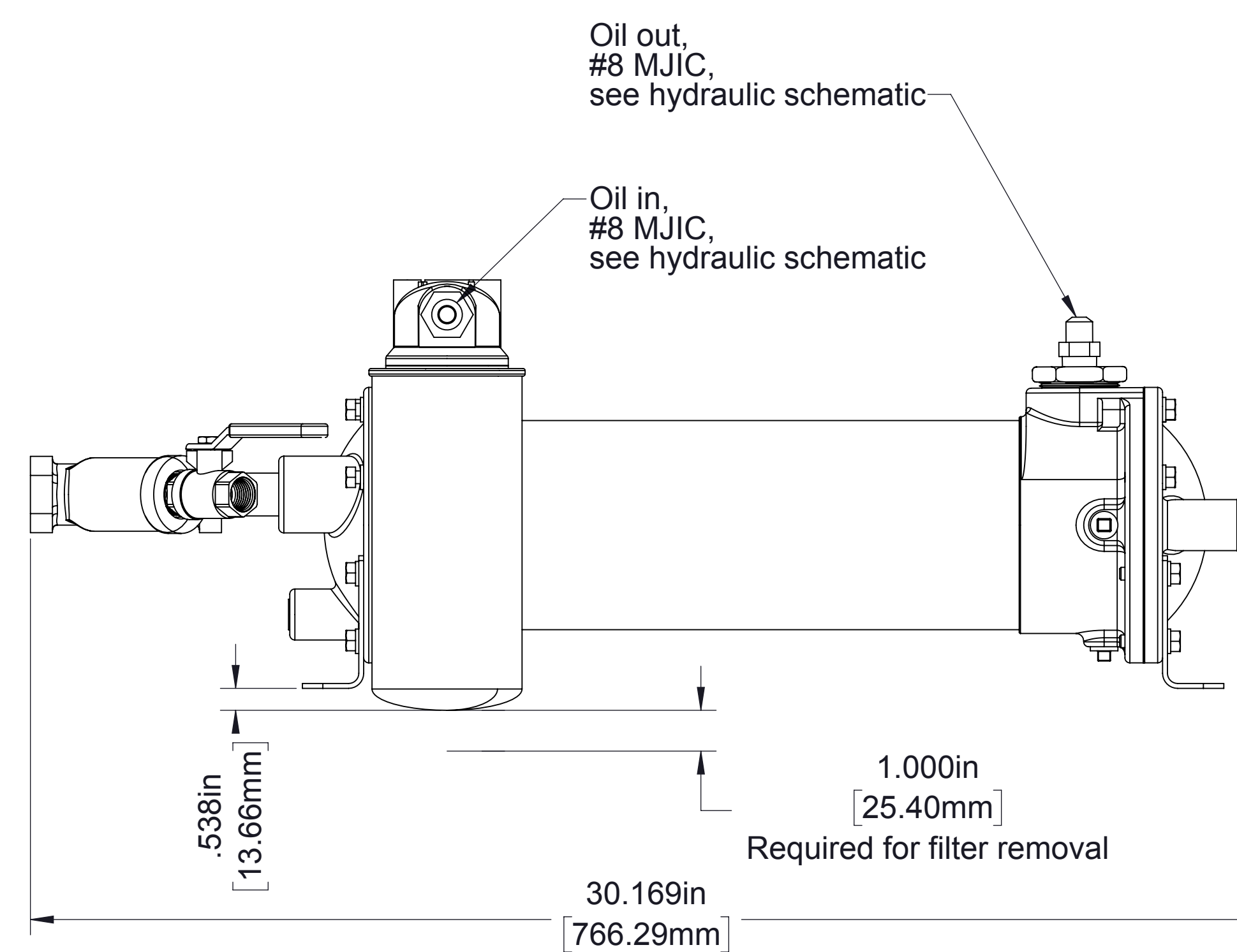
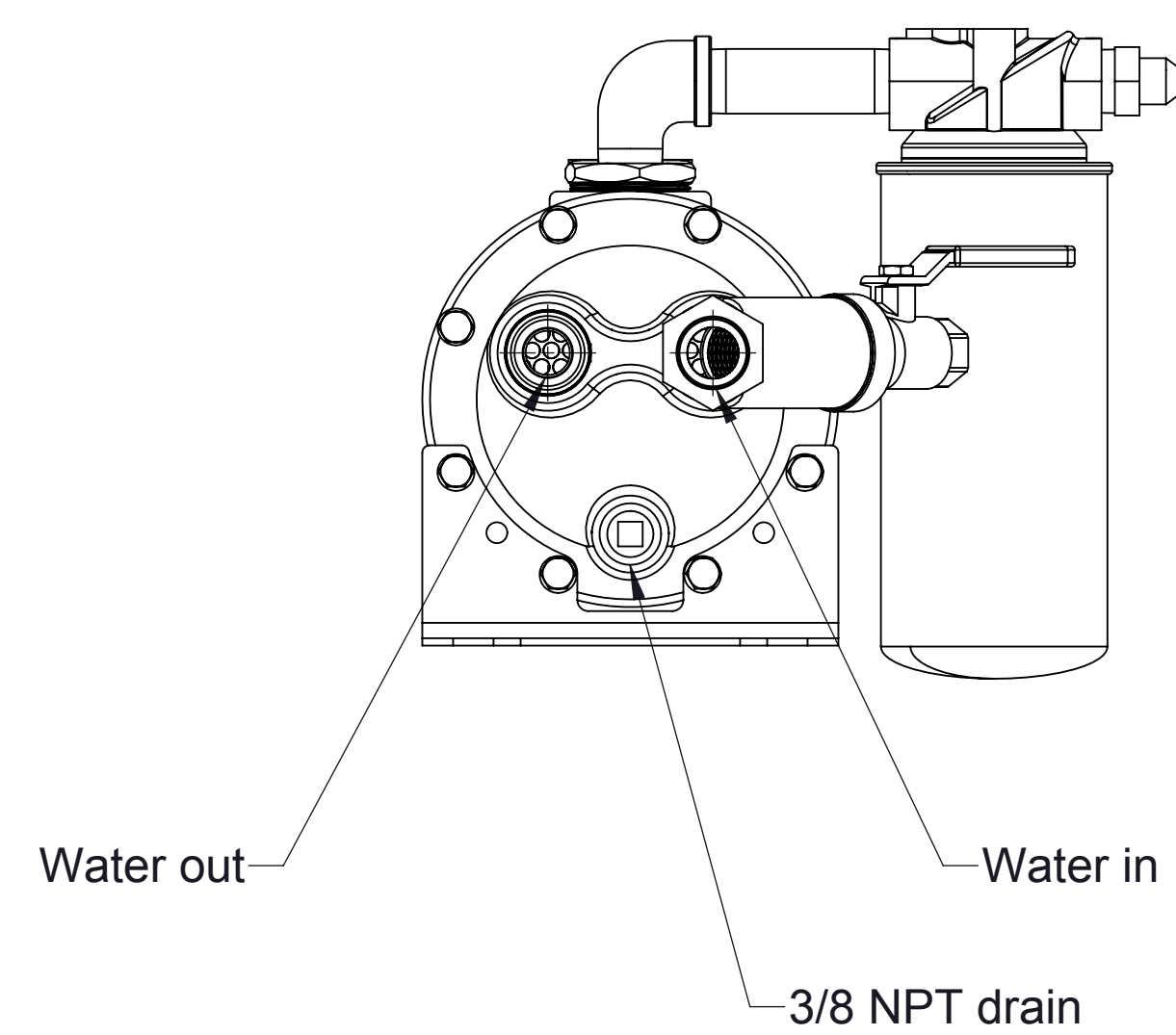
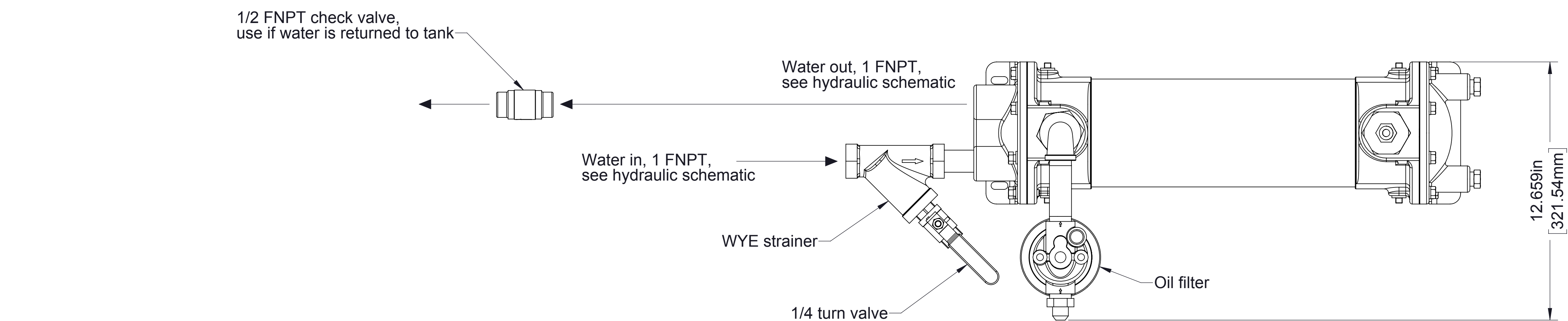


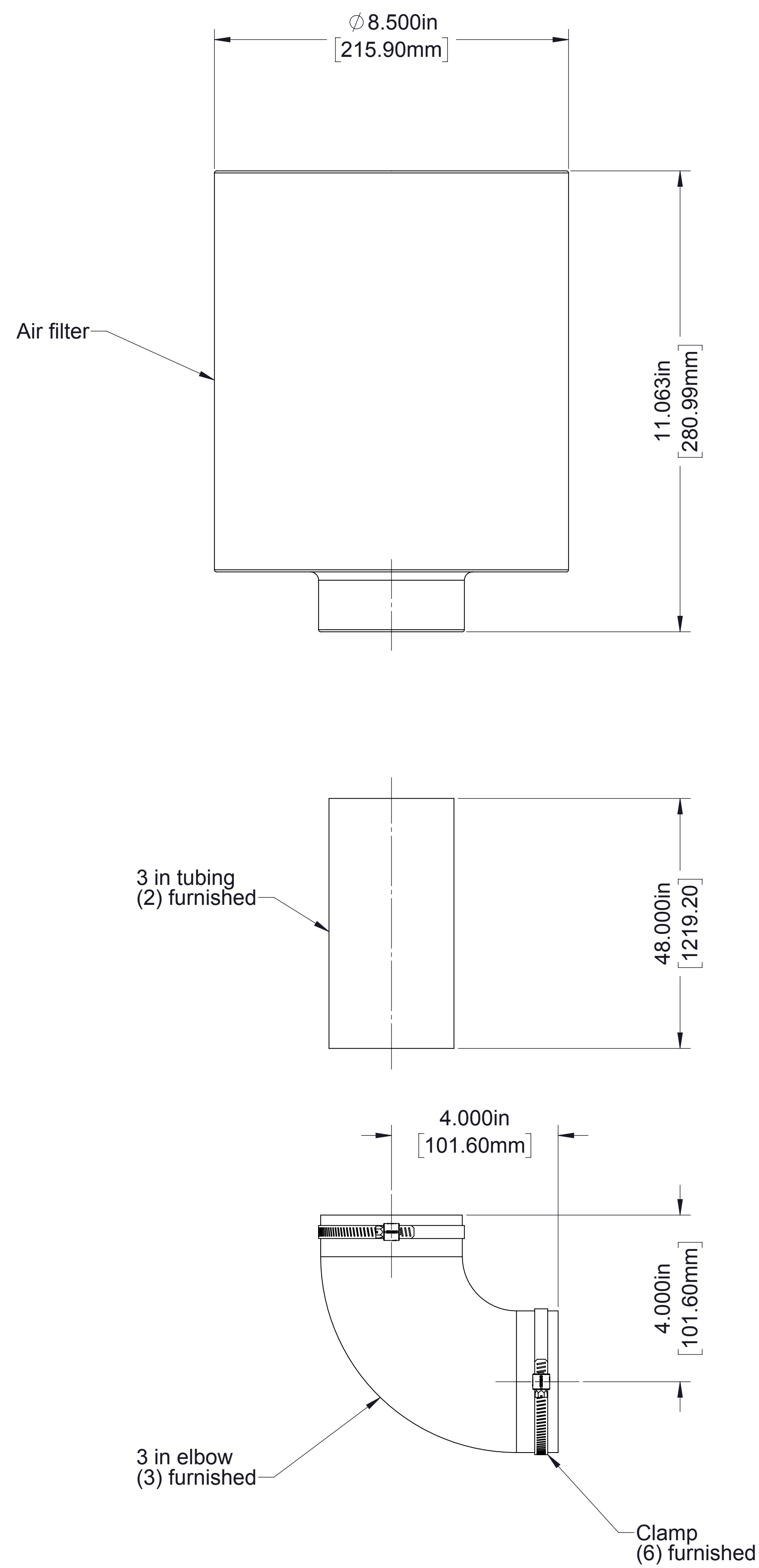
Available Discharge Positions, as viewed from input(transmission) end.



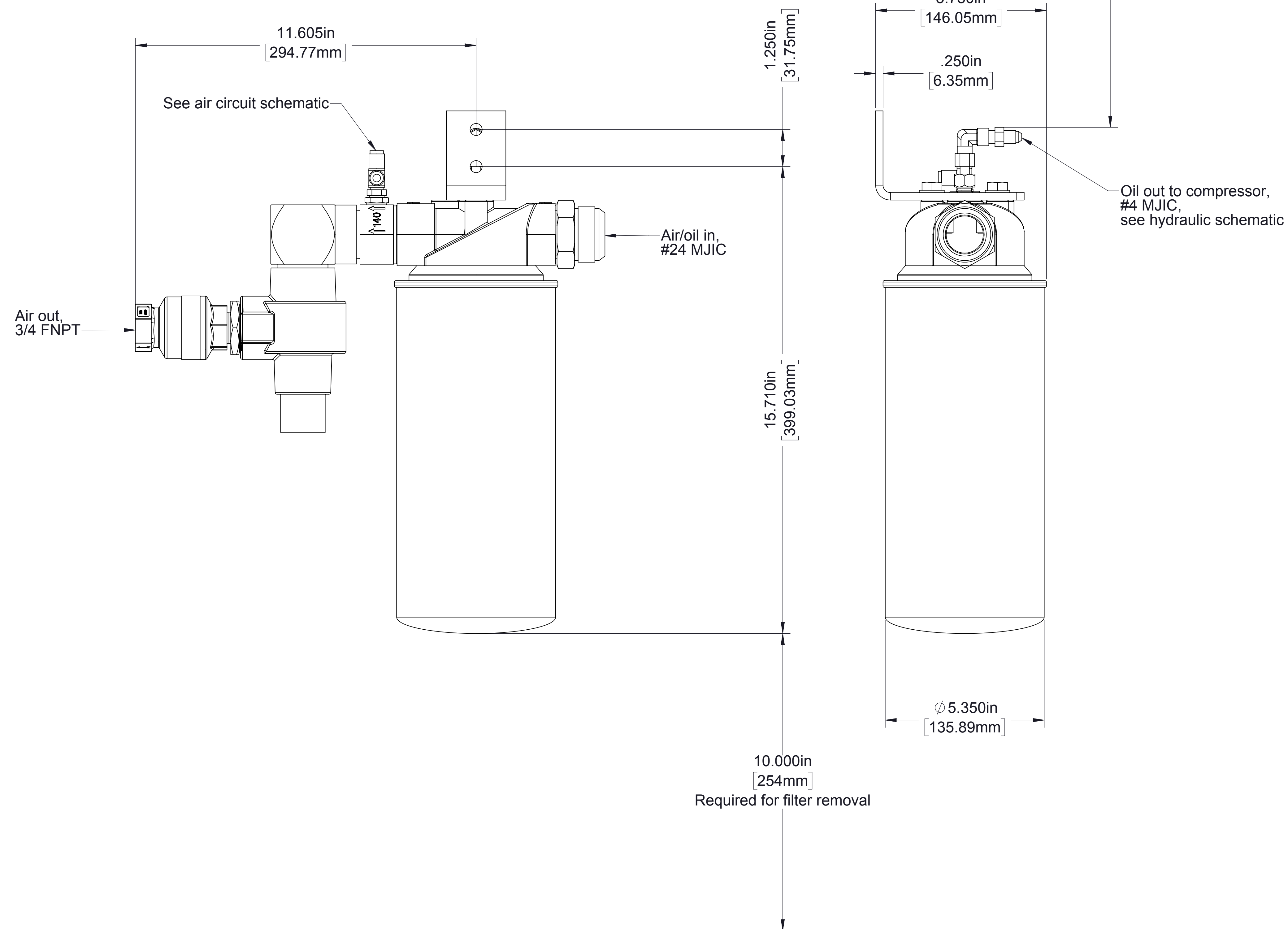


### Sump (Oil Reservoir)

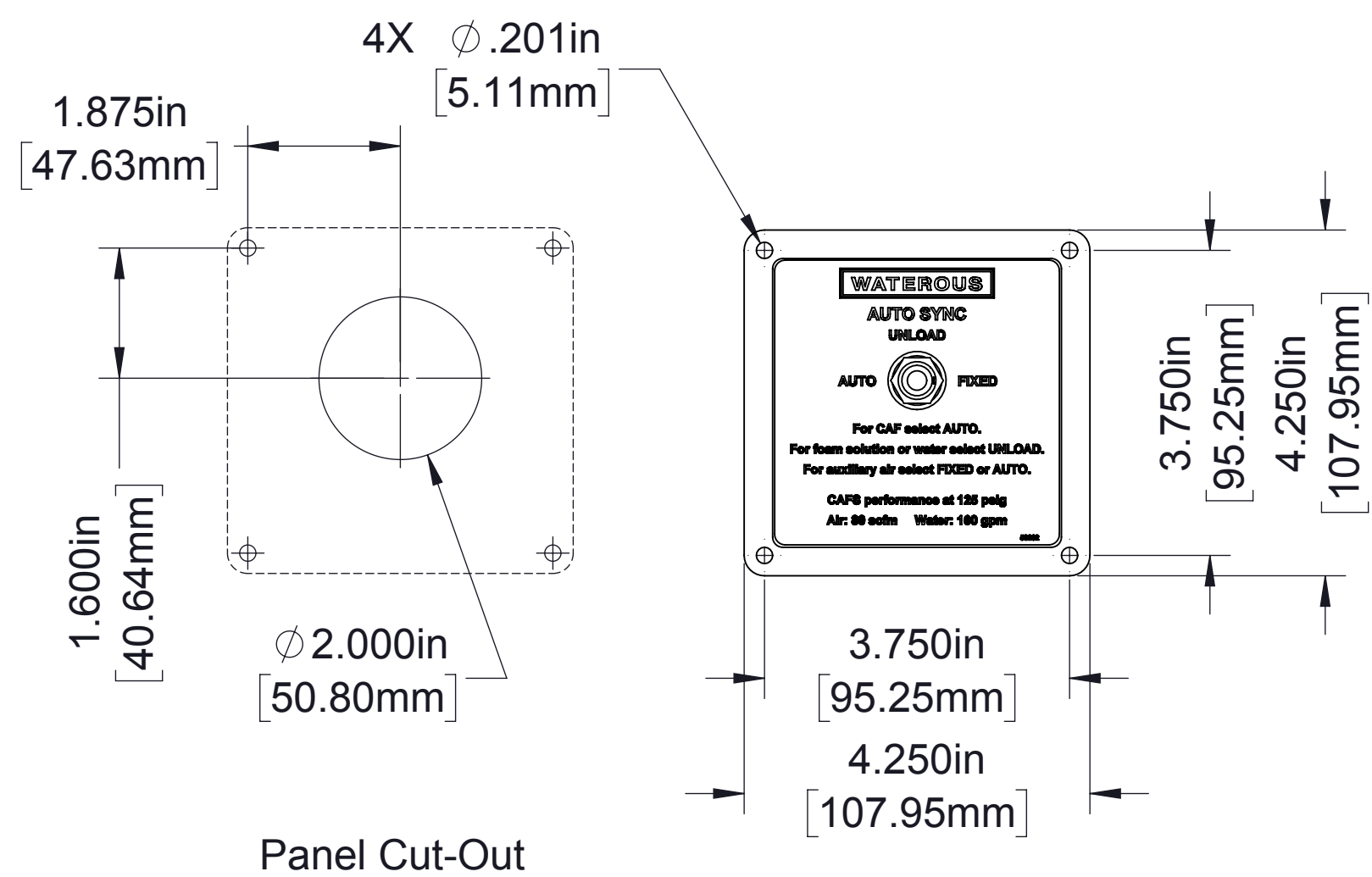
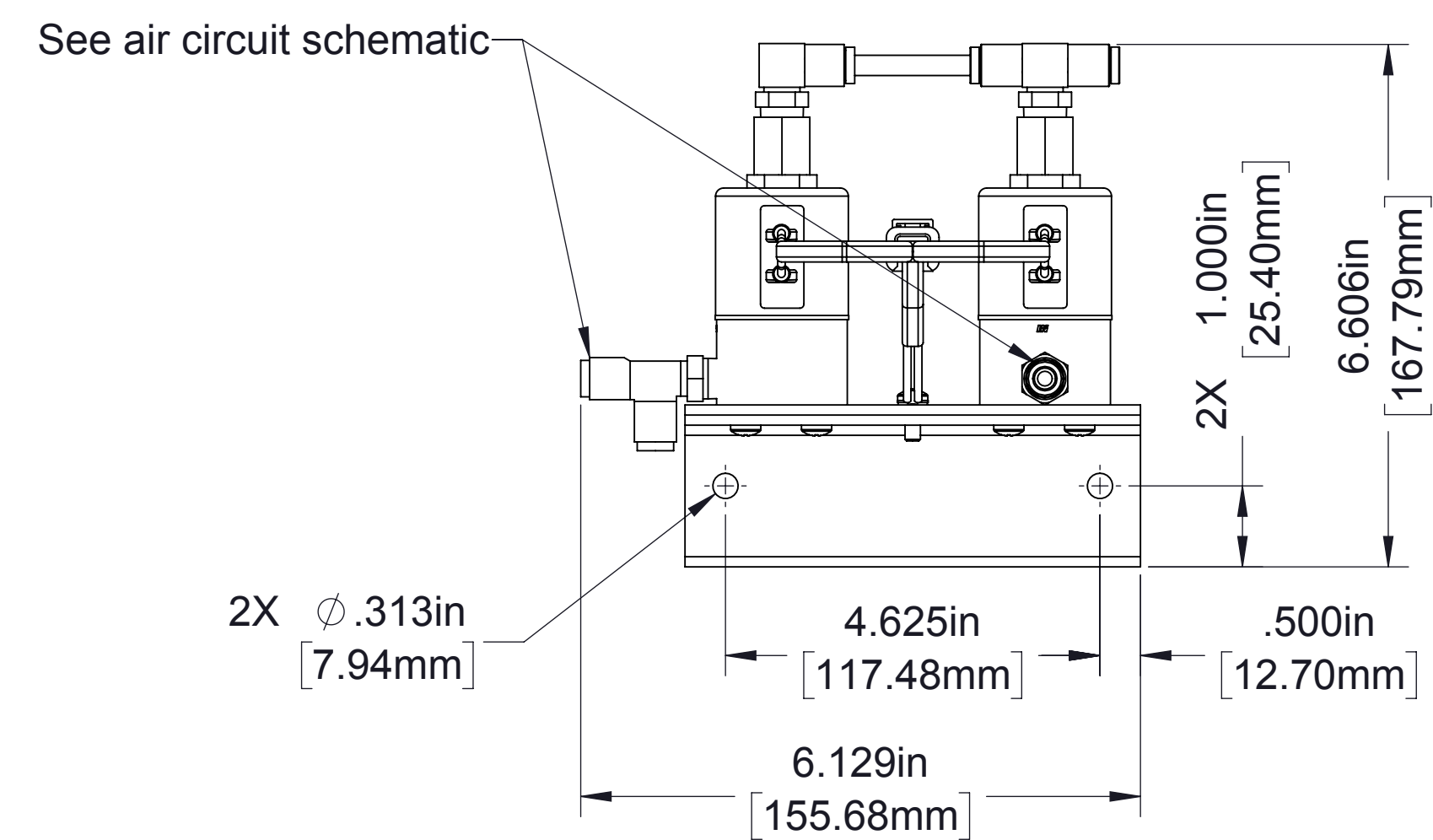




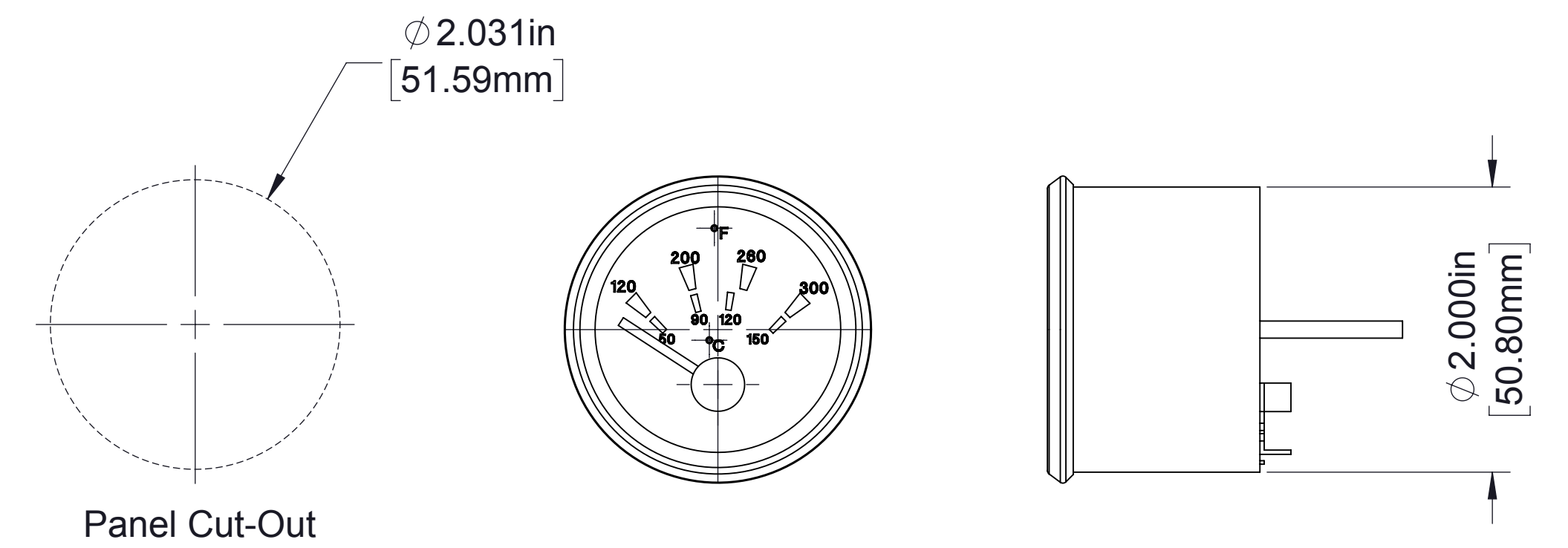
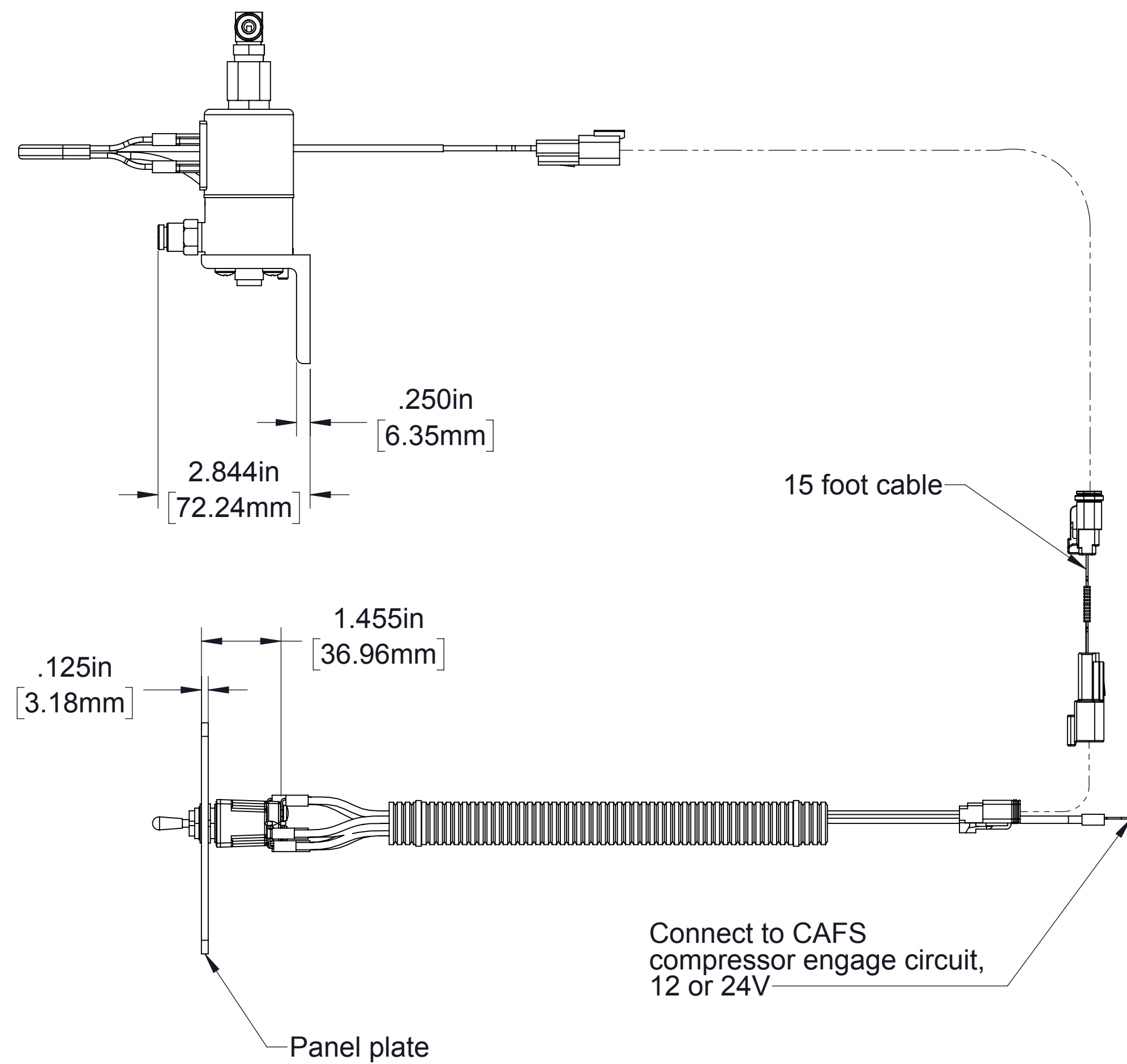
**Air Filter**



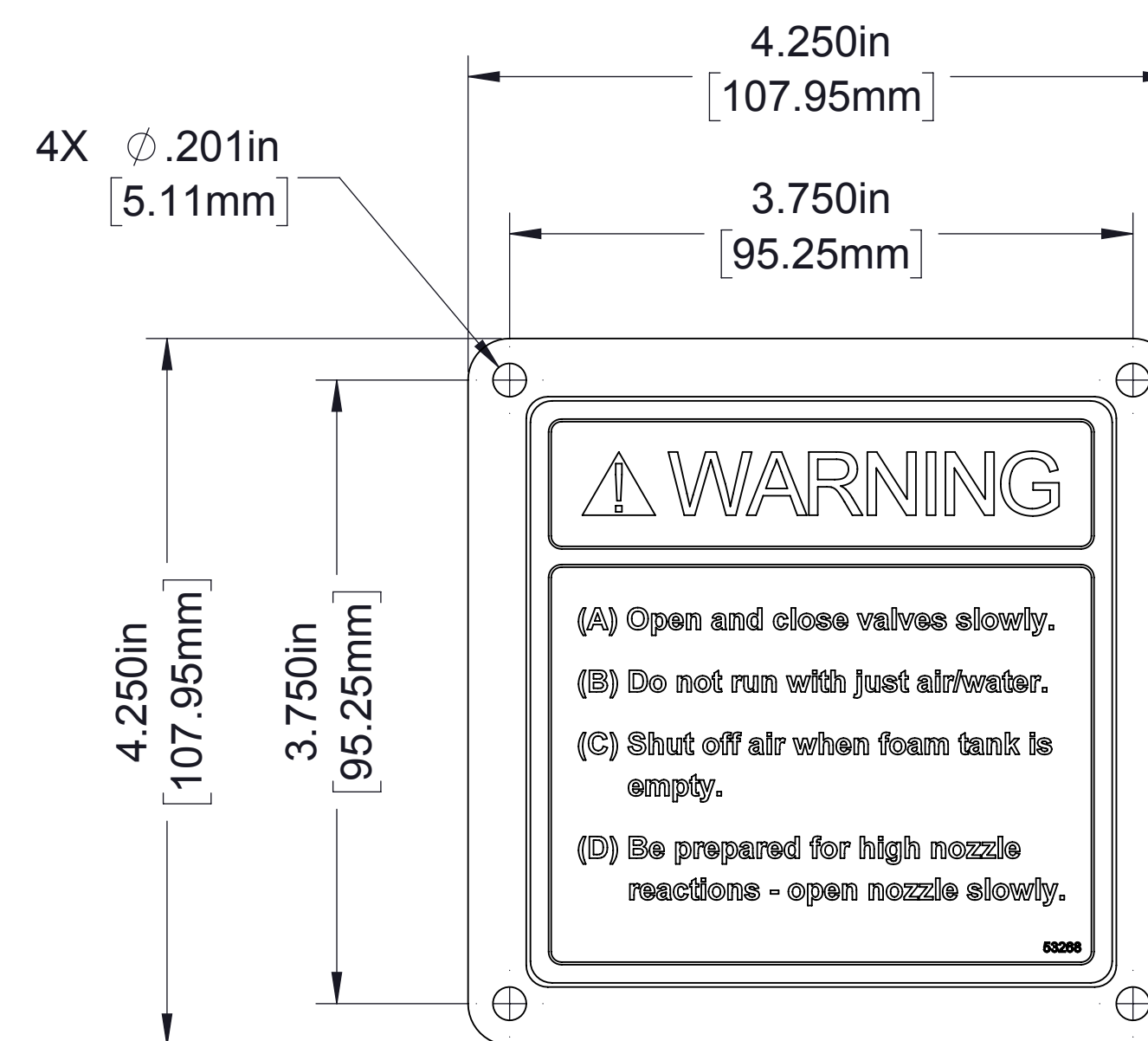
**Separator Filter**



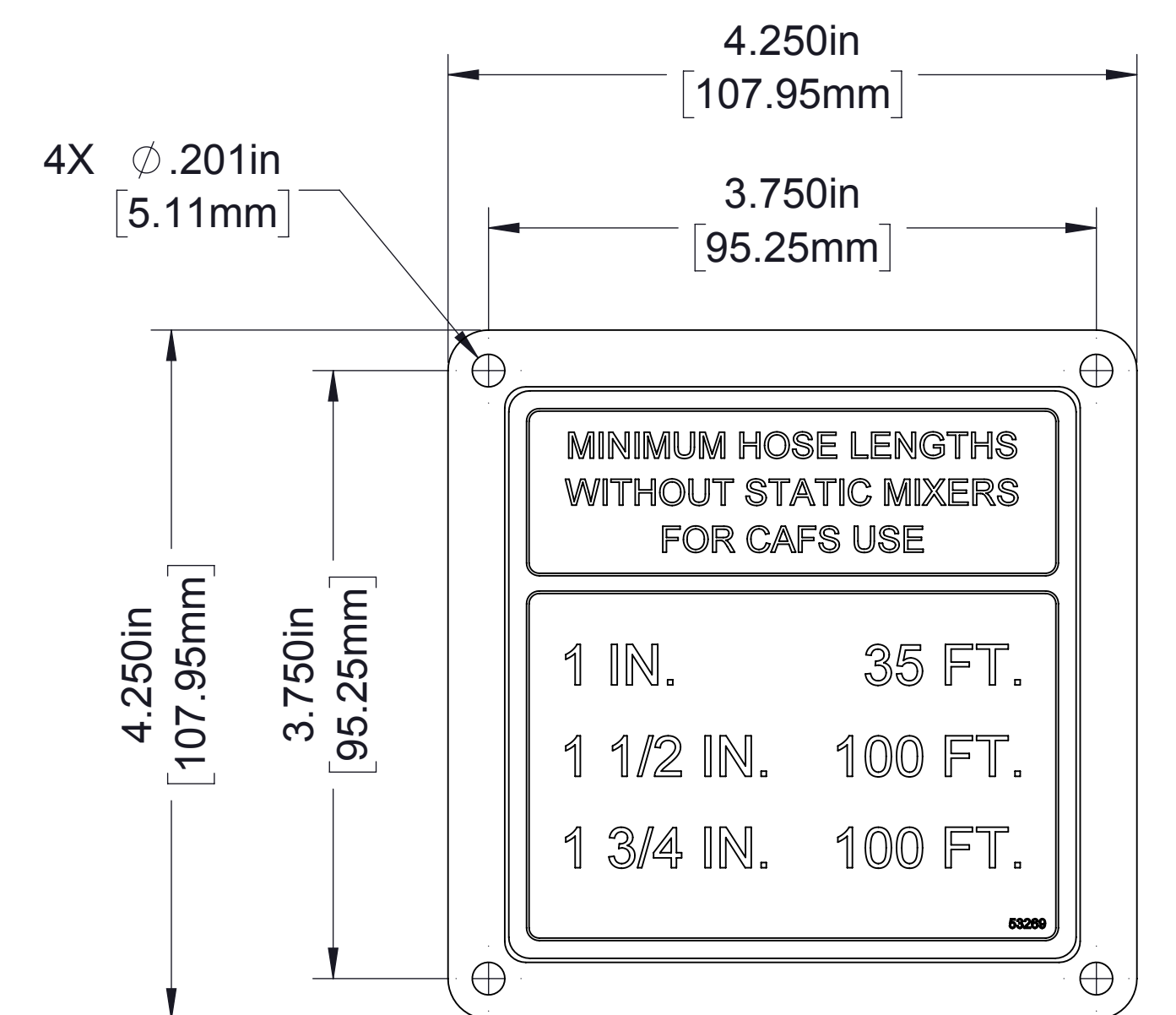
**Auto-Sync**



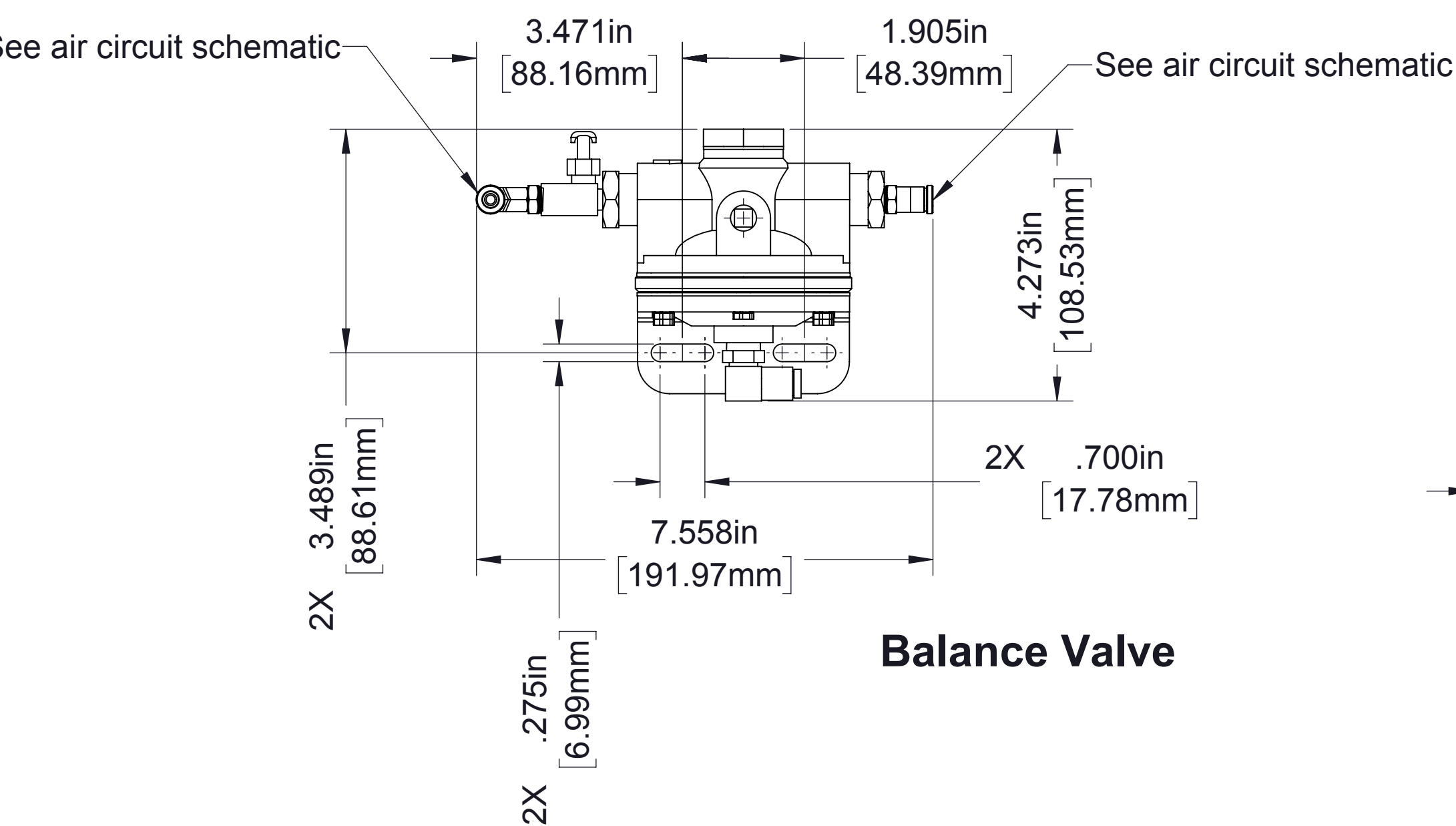
**Oil Temperature Gauge**  
(Wiring to sump temperature sender not furnished by Waterous)



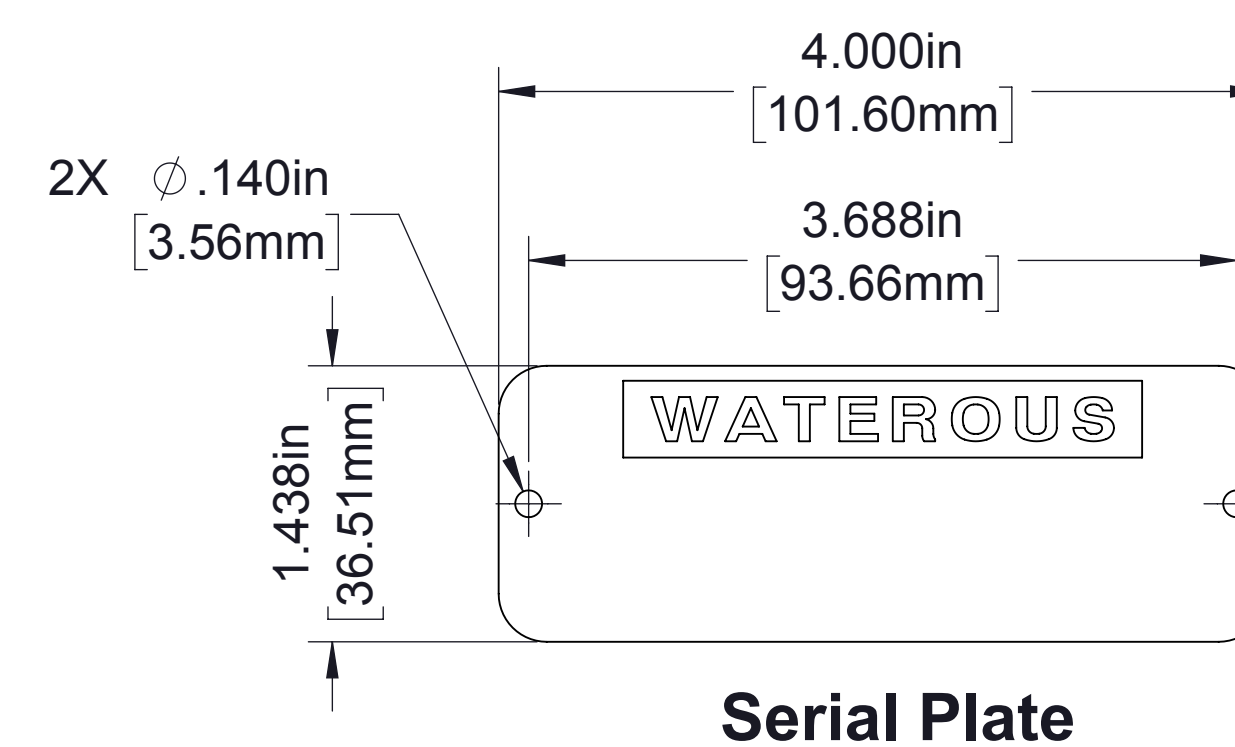
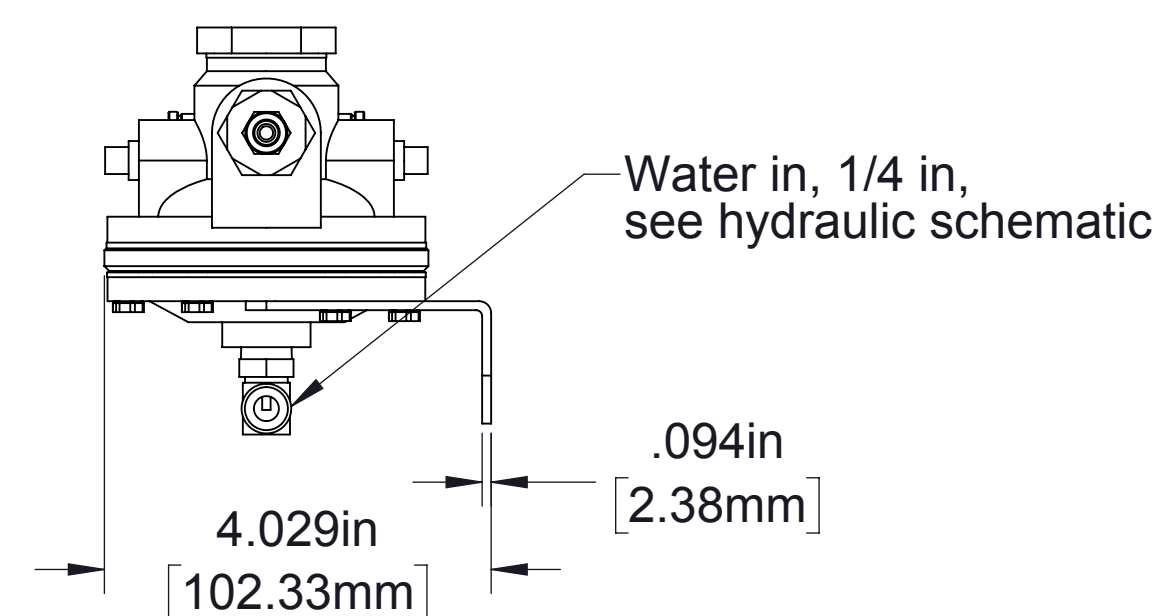
**CAFS Warning**



**Hose Length**



**Balance Valve**



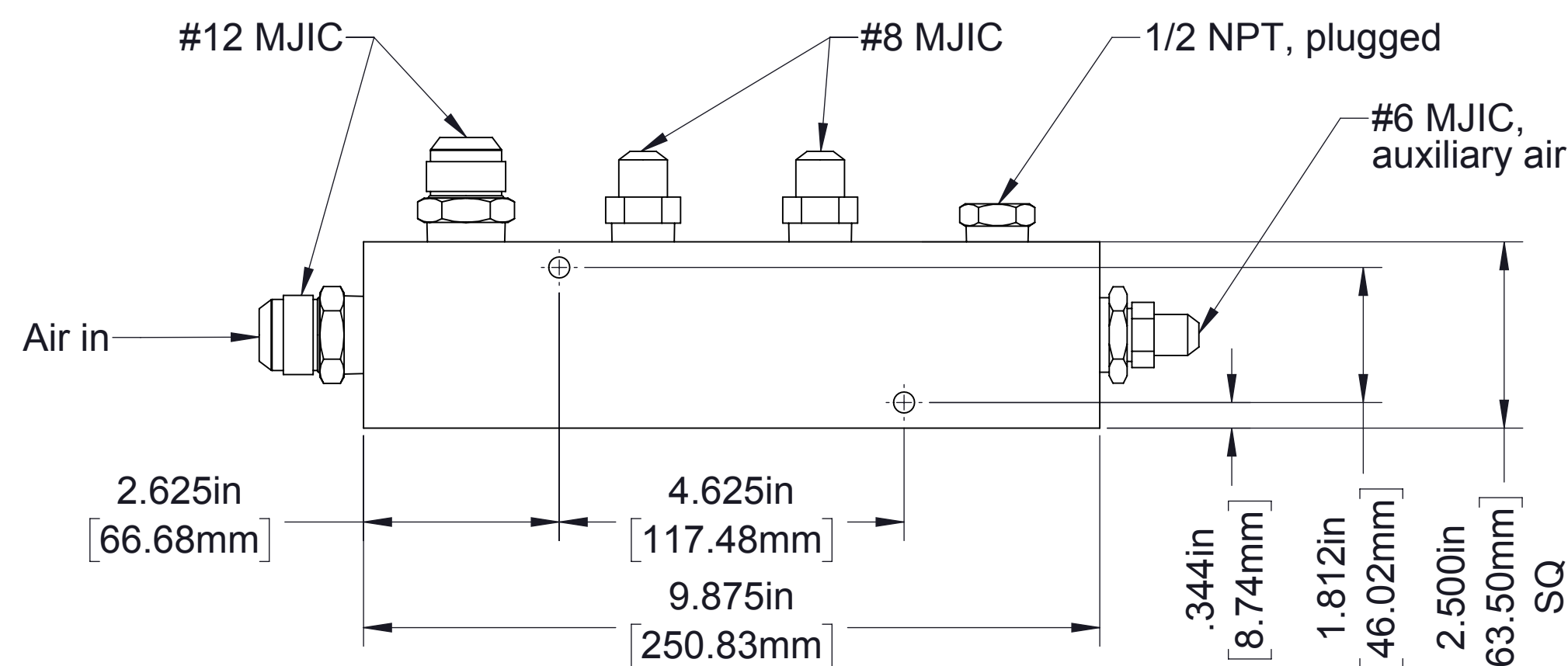
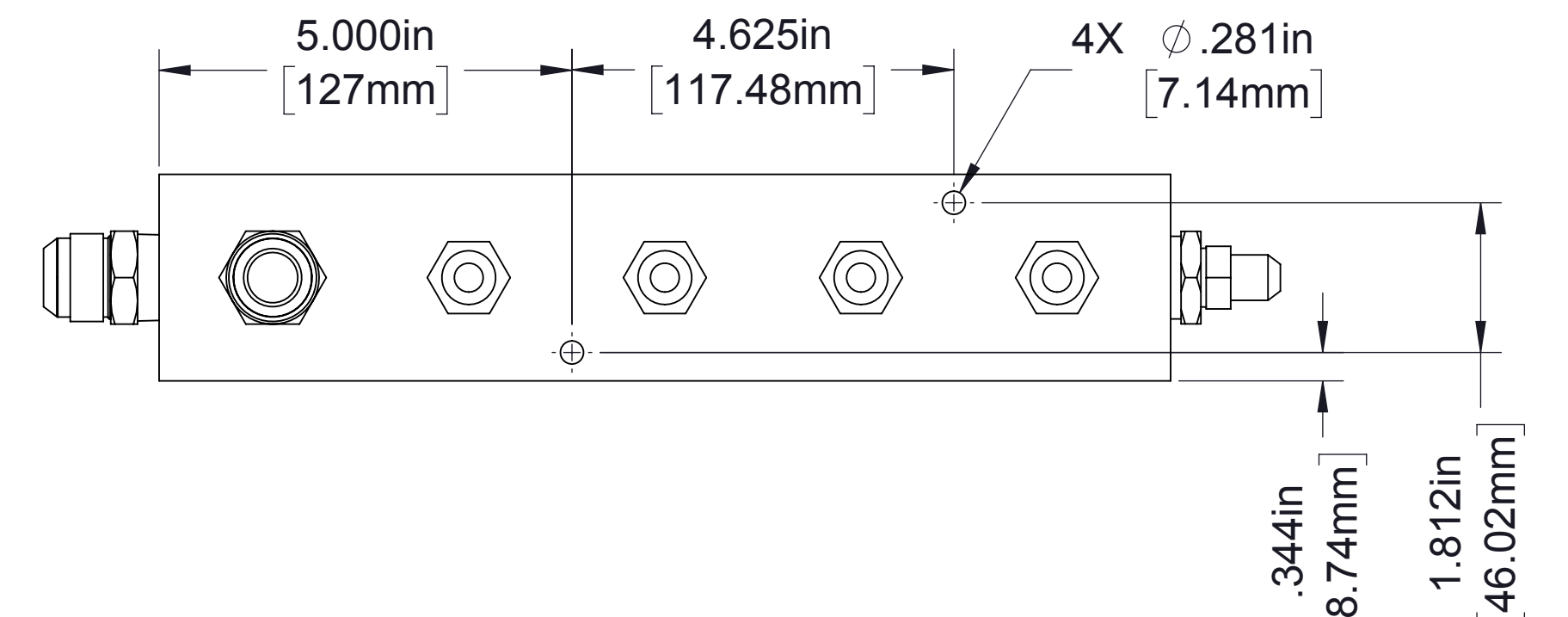
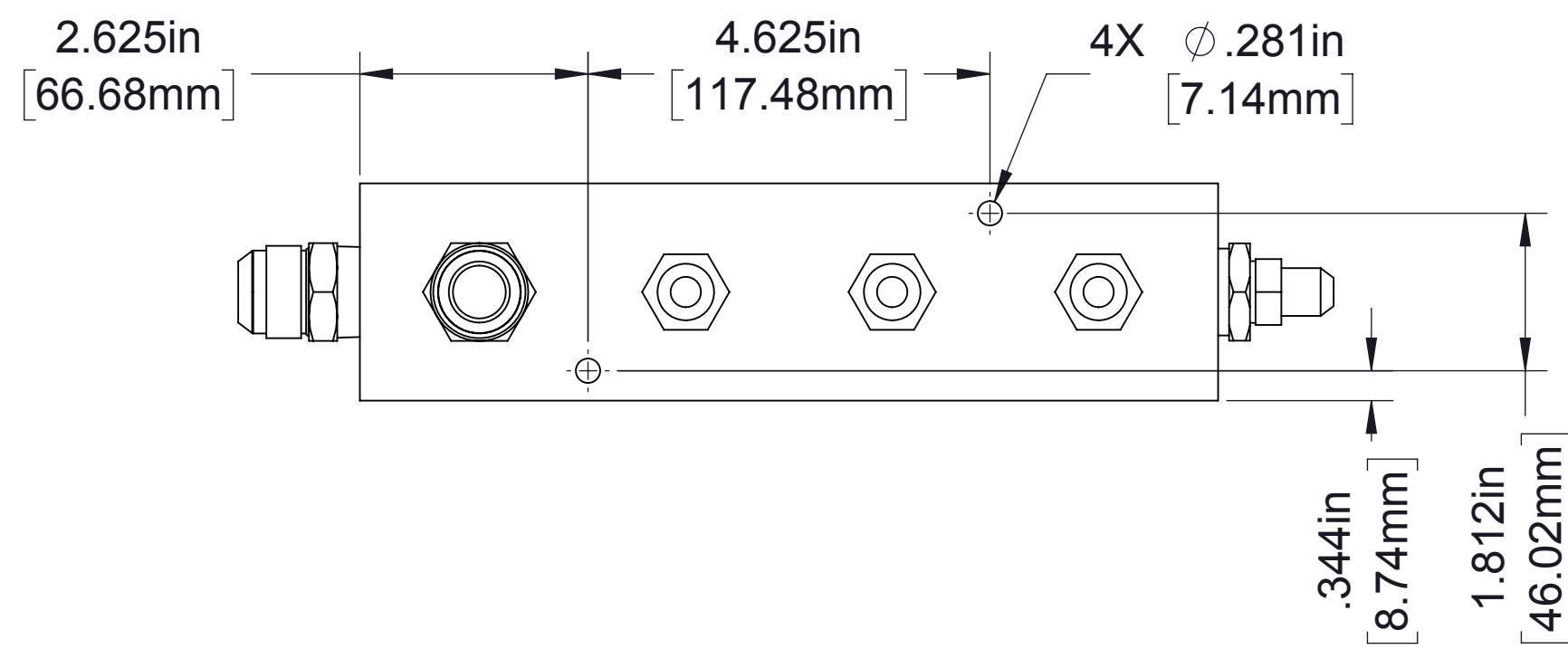
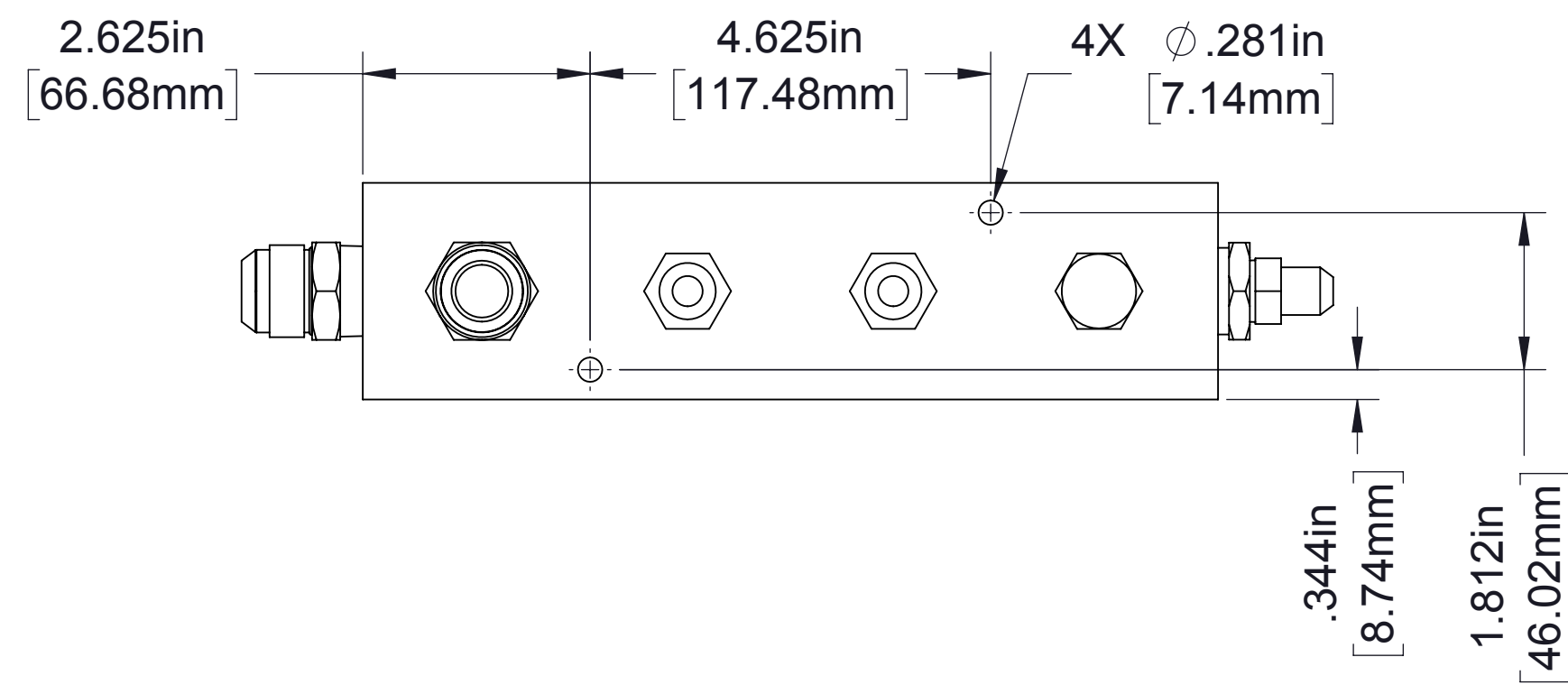
**Serial Plate**

**Panel Plates**

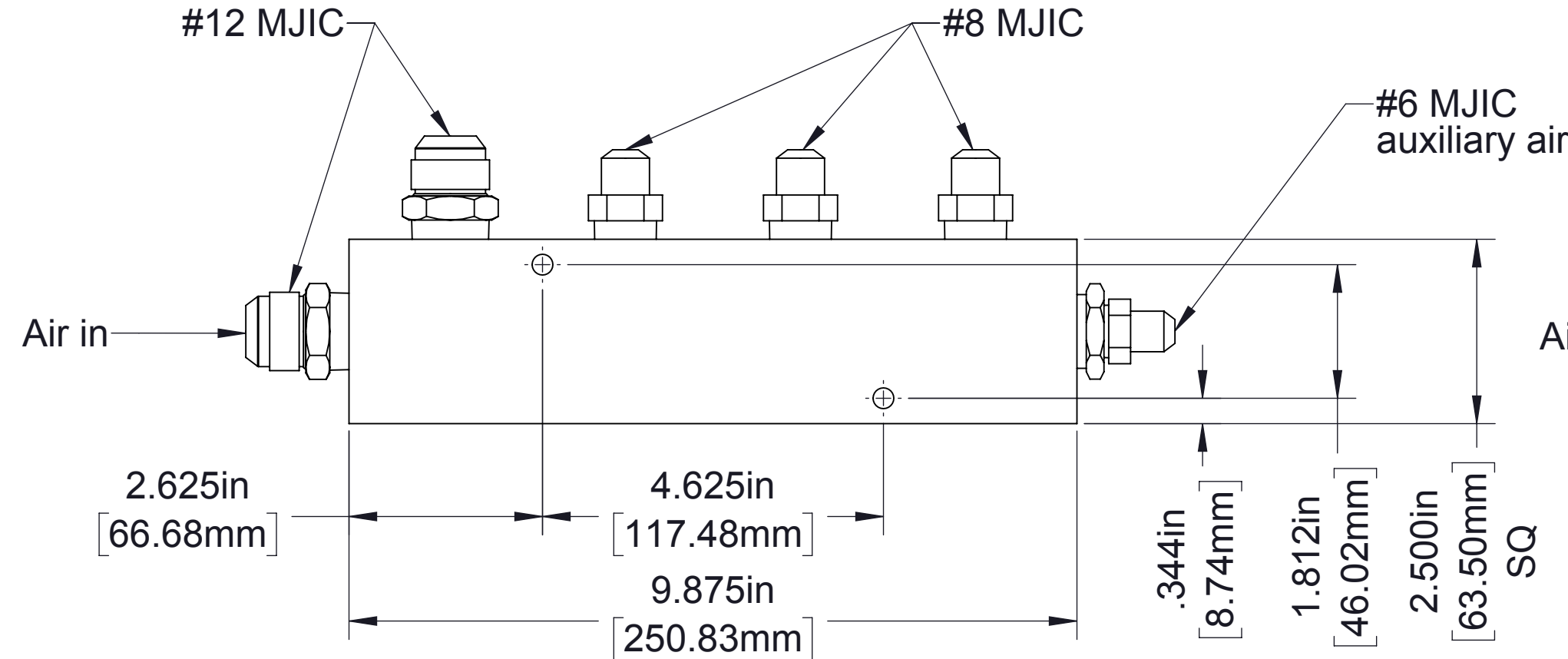




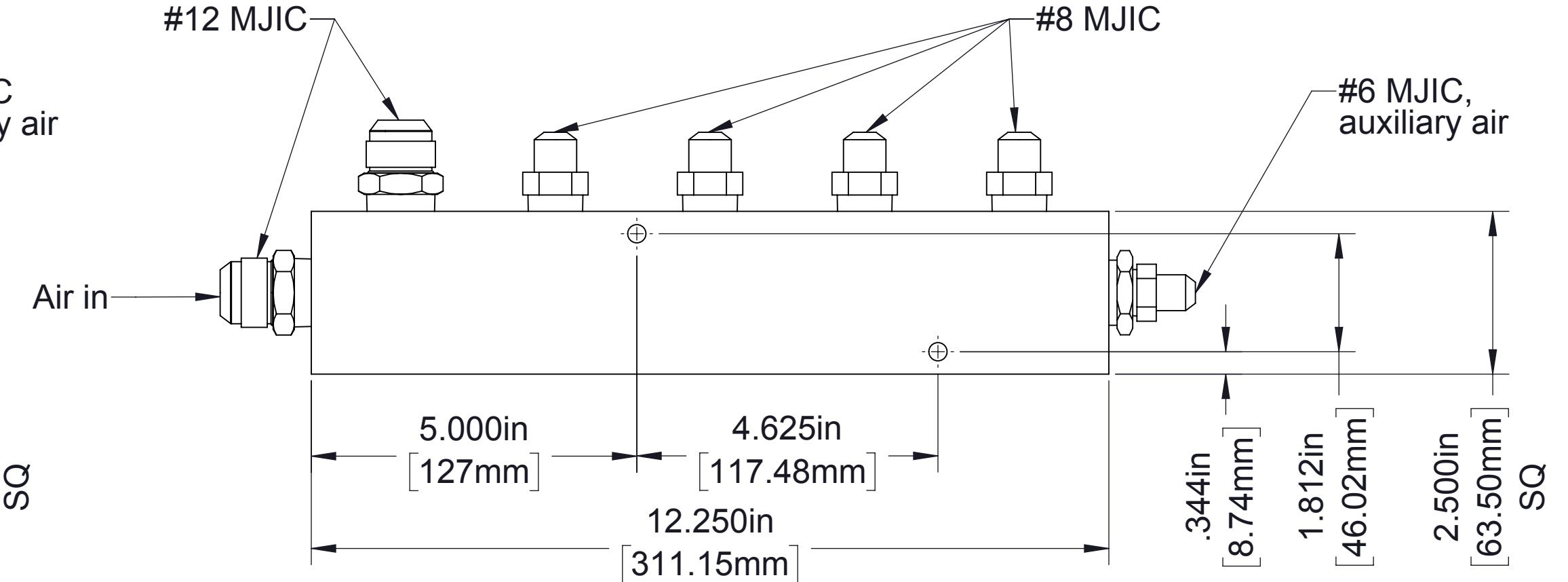




**3 Port Manifold,**  
order part number 83360-1A

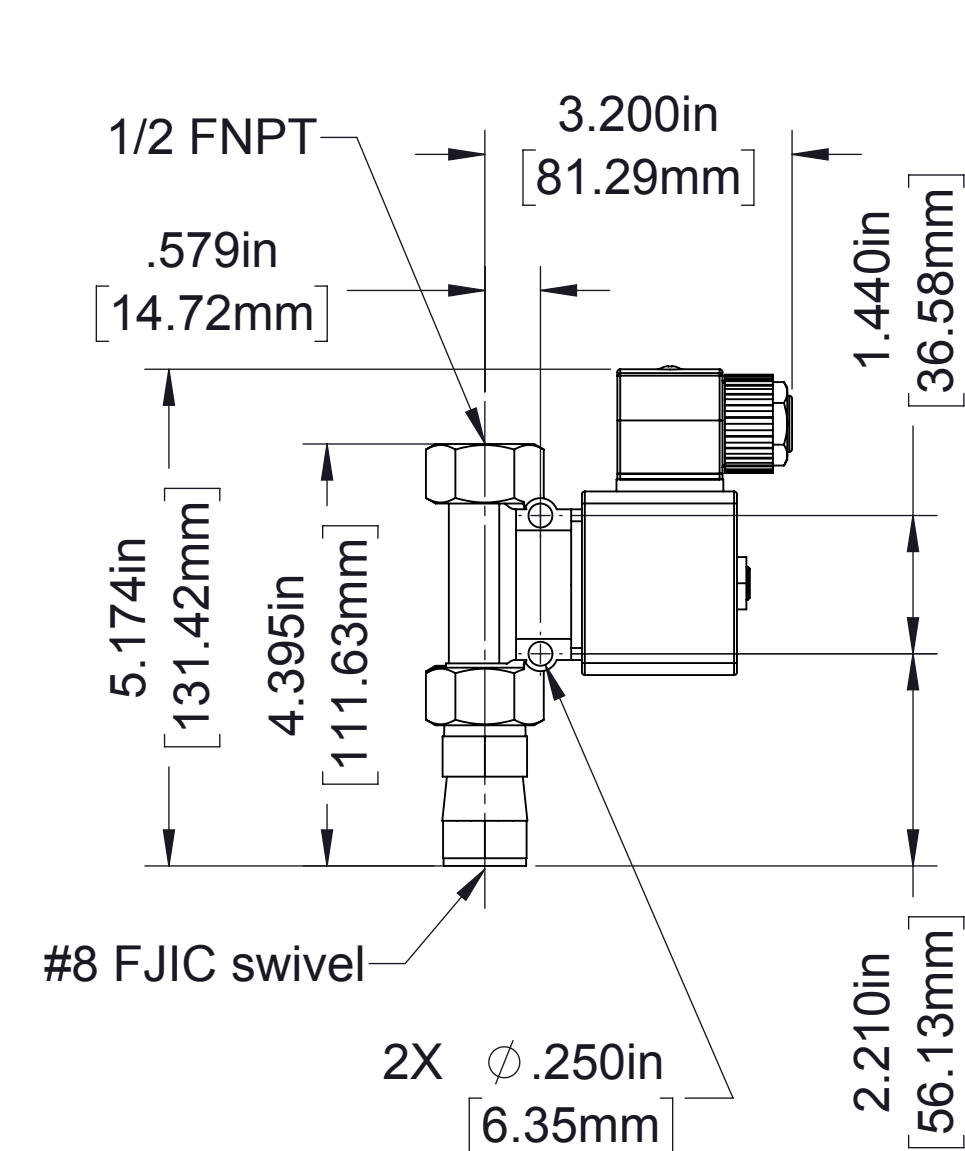


**4 Port Manifold,**  
order part number 83360-1B

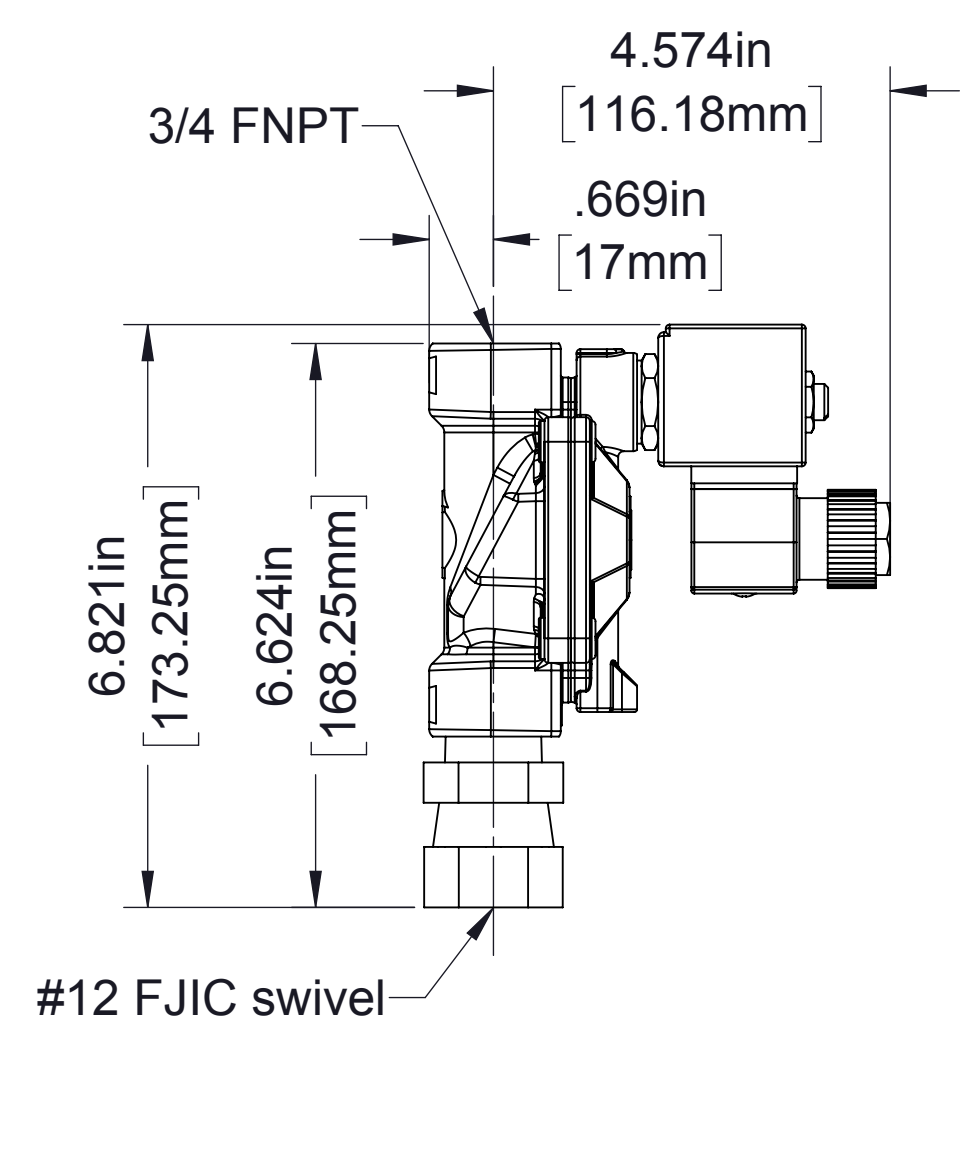


**5 Port Manifold,**  
order part number 83360-1C

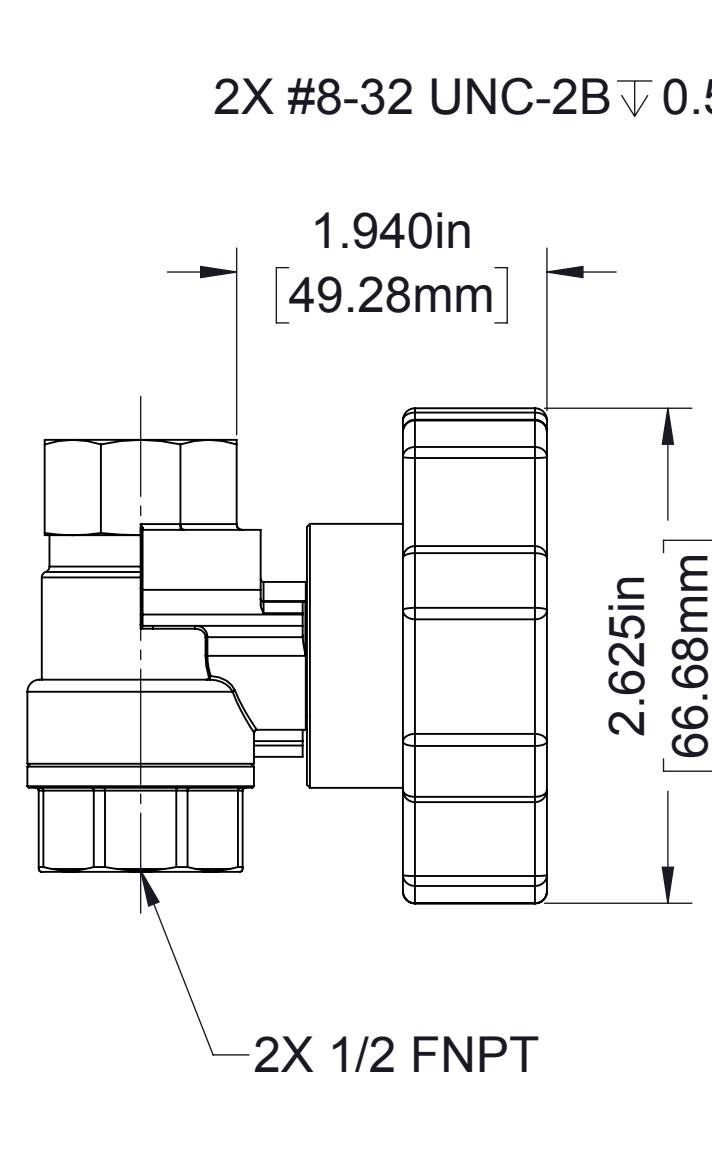
## Optional Air Distribution Manifold



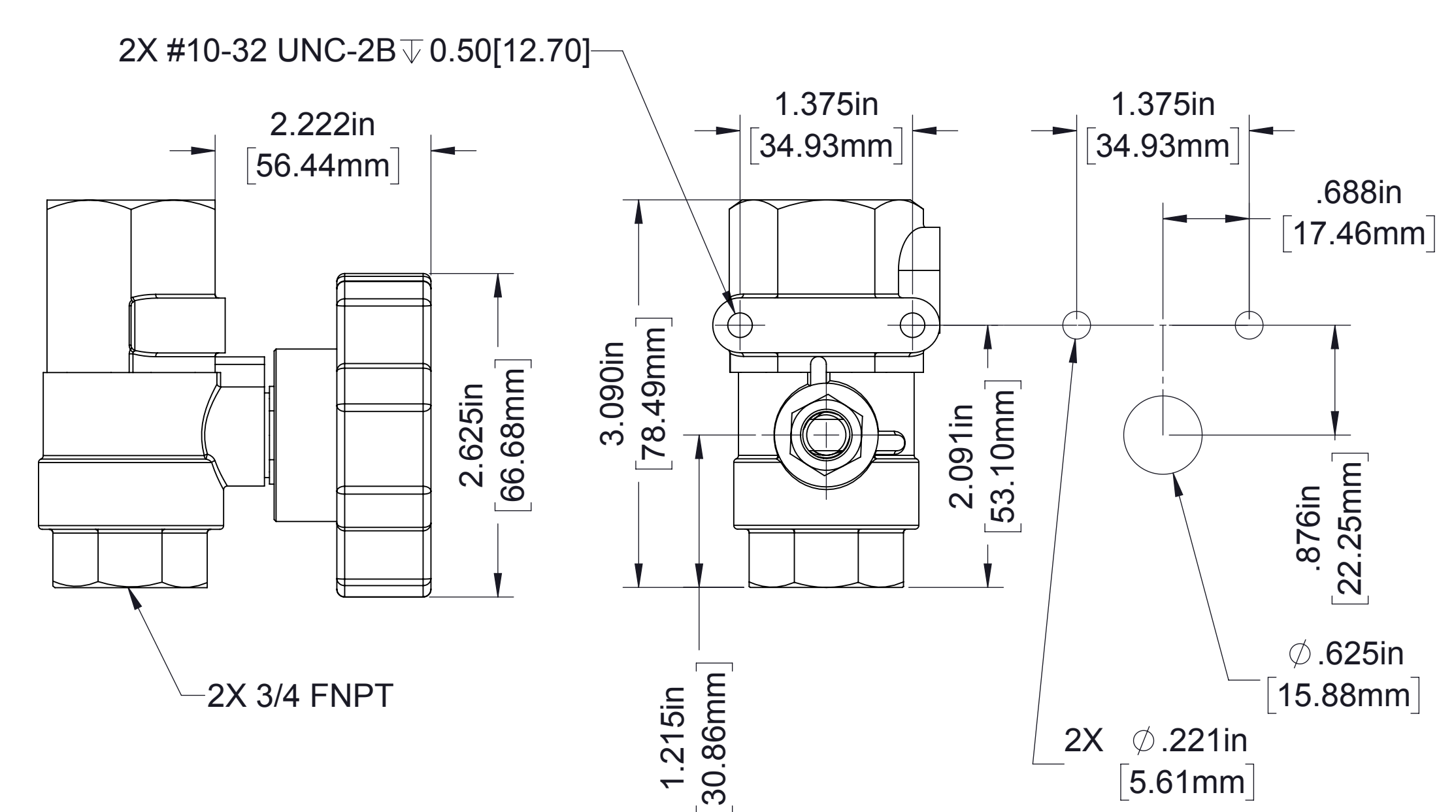
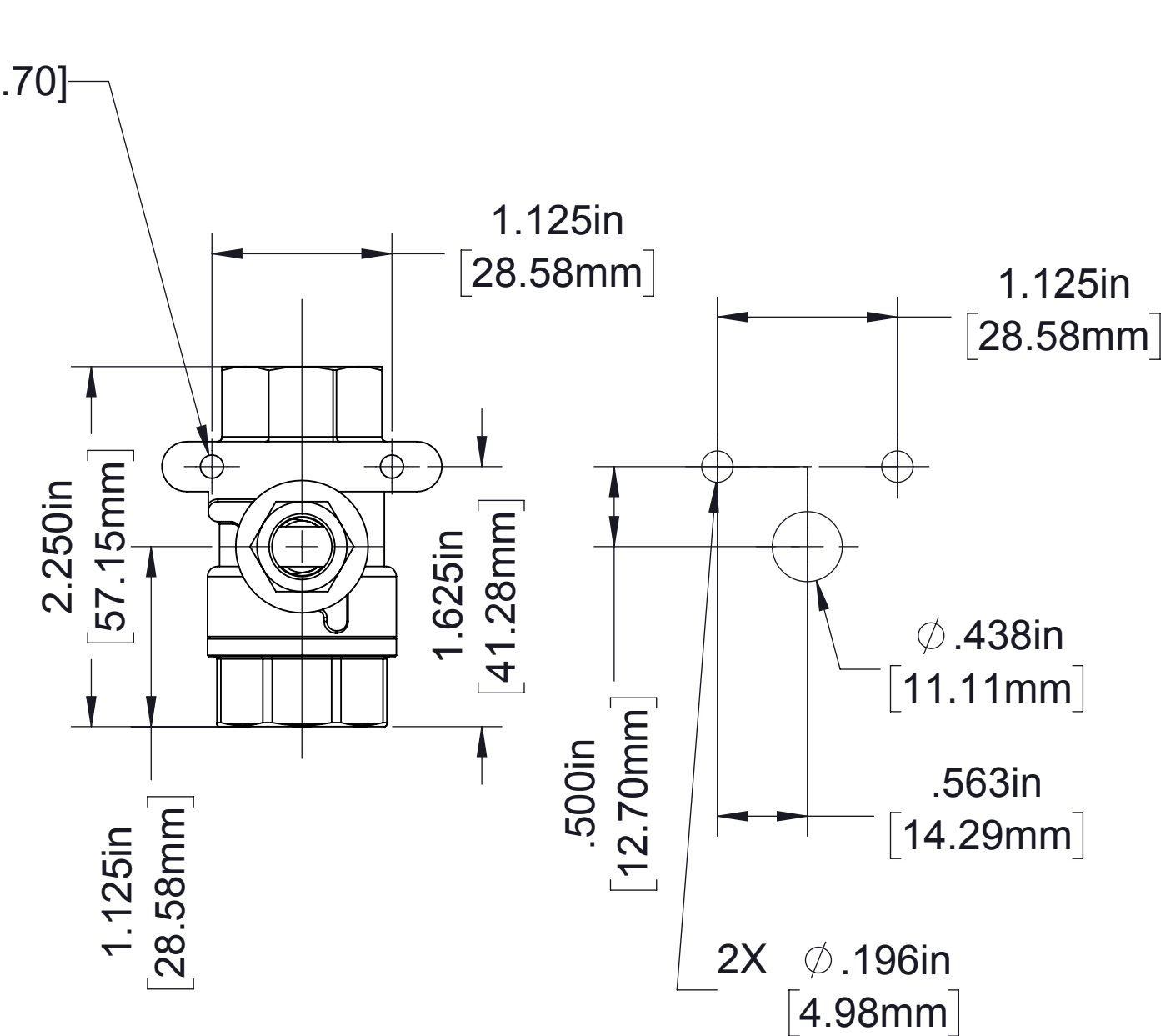
**1/2 in**



**3/4 in**



**1/2 in**

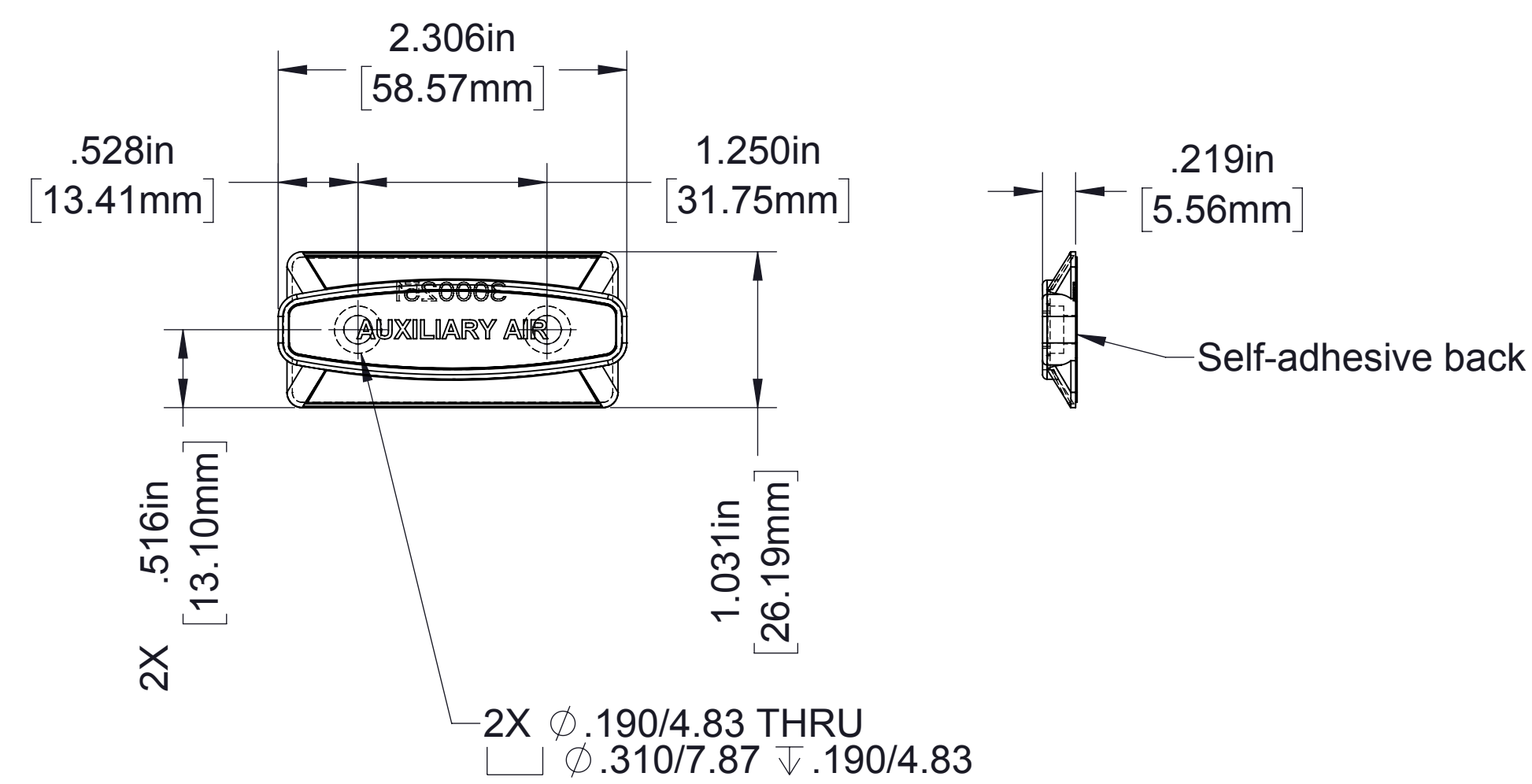


**3/4 in**

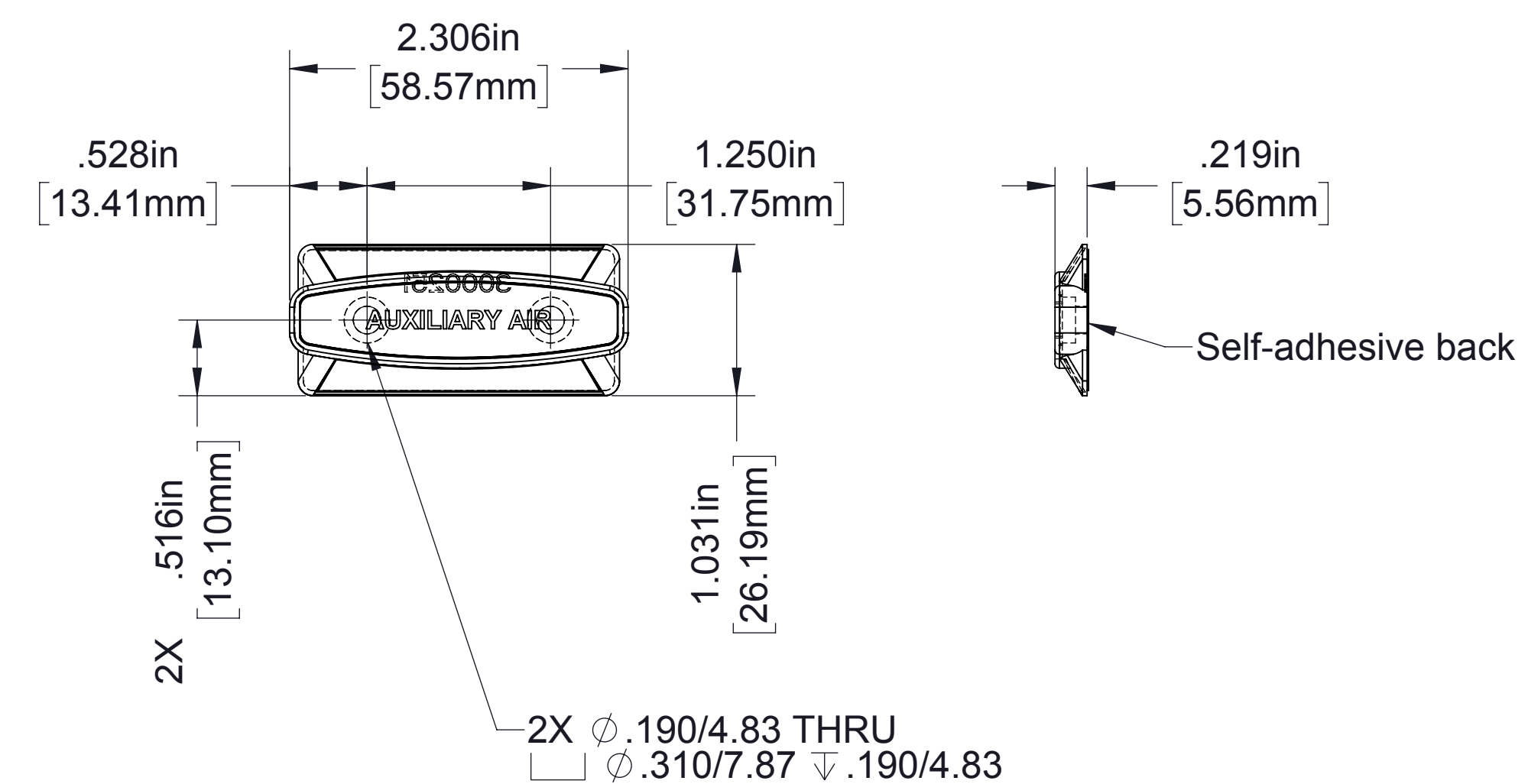
**Electric**

**Manual**

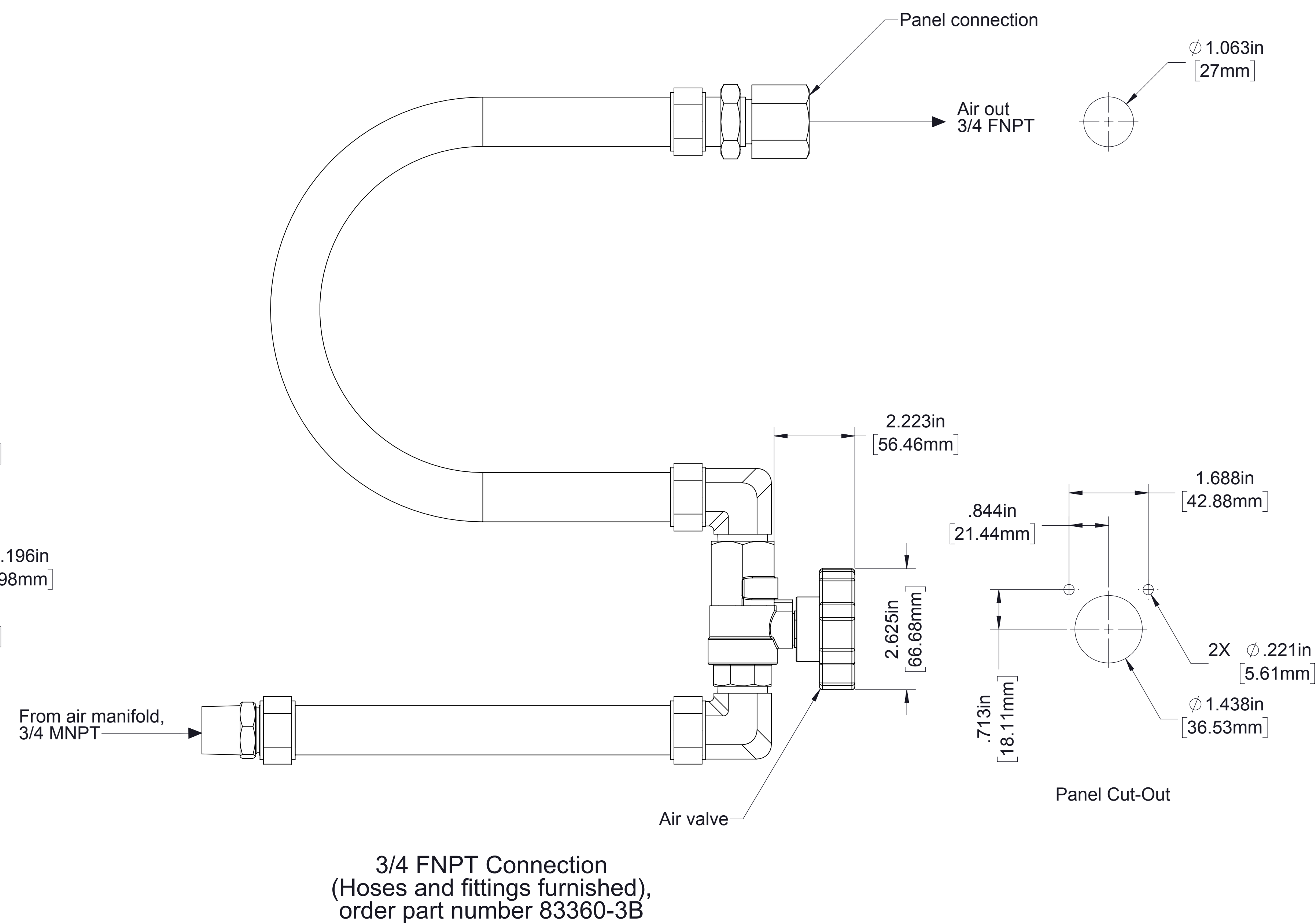
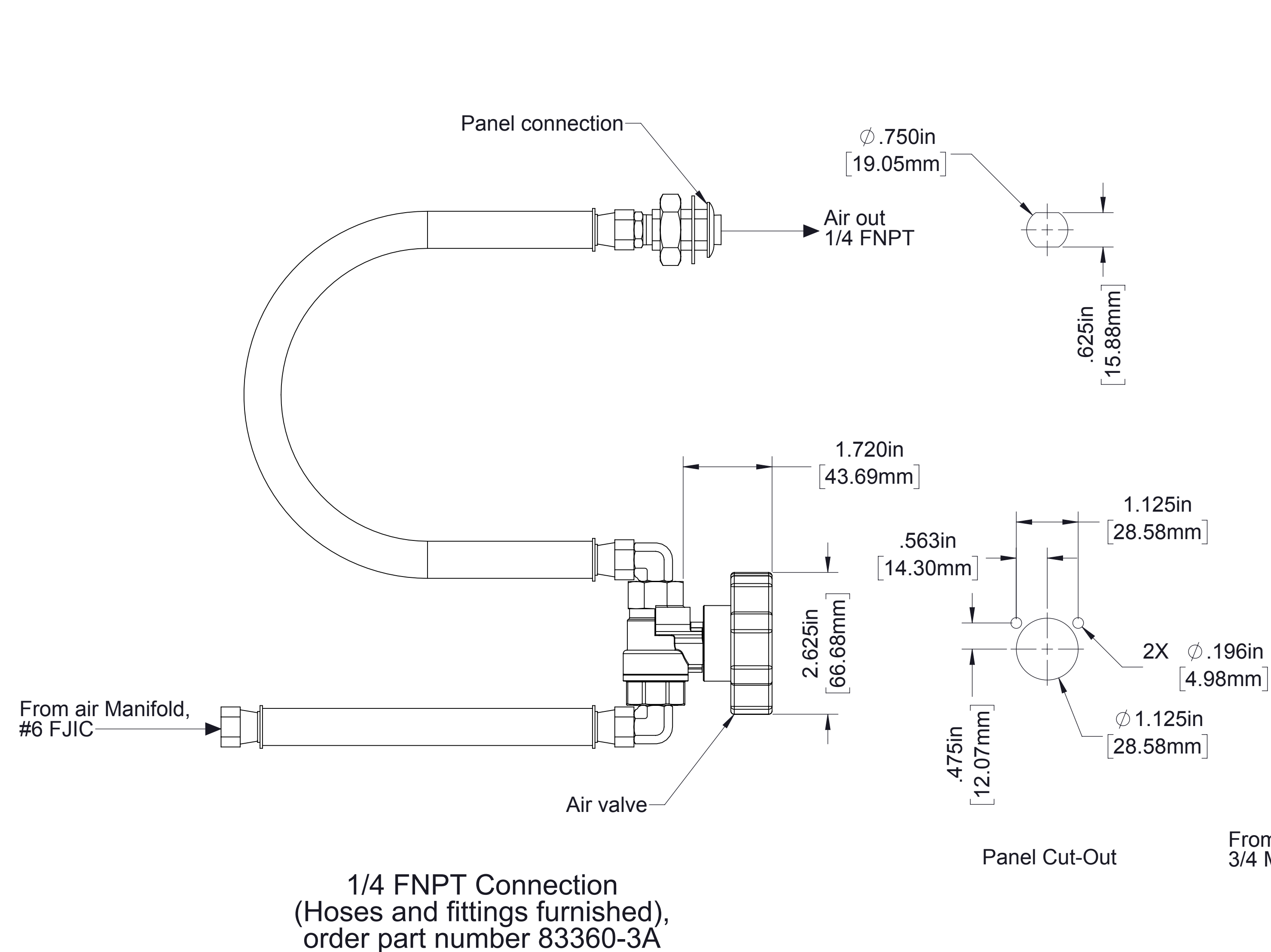
## Optional Air Valves



Label

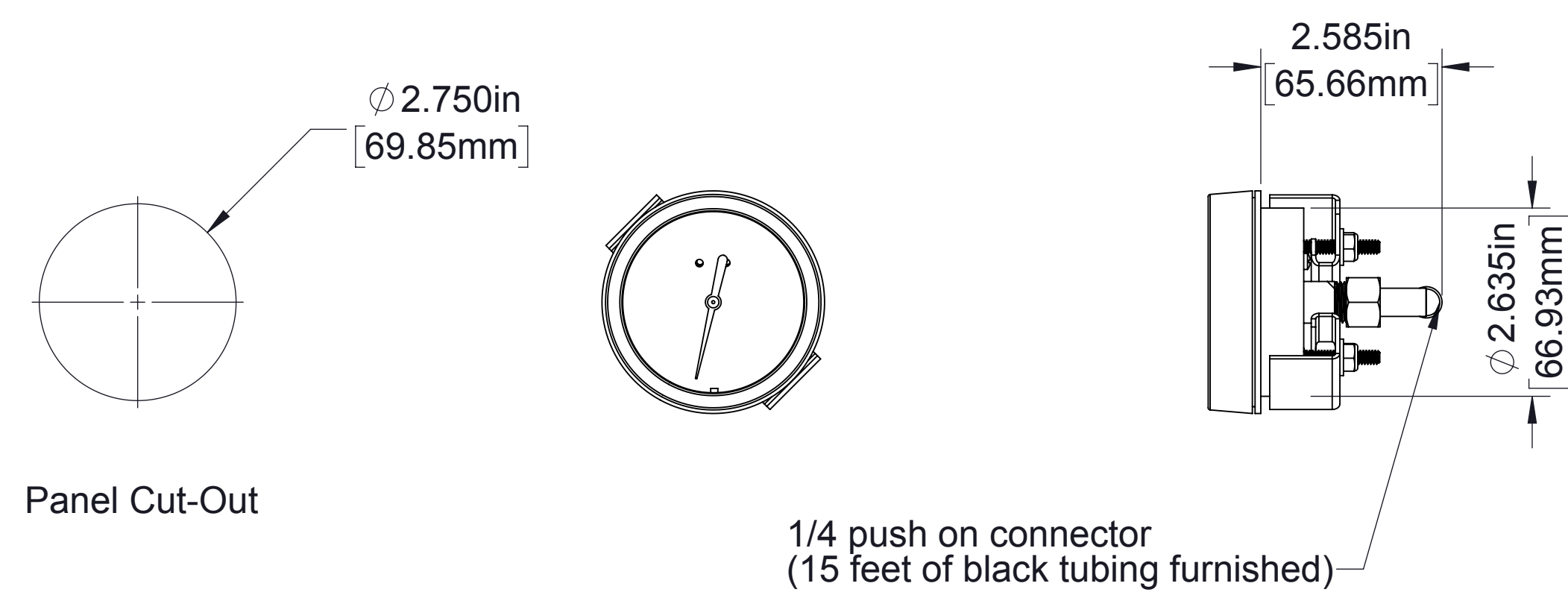


Label

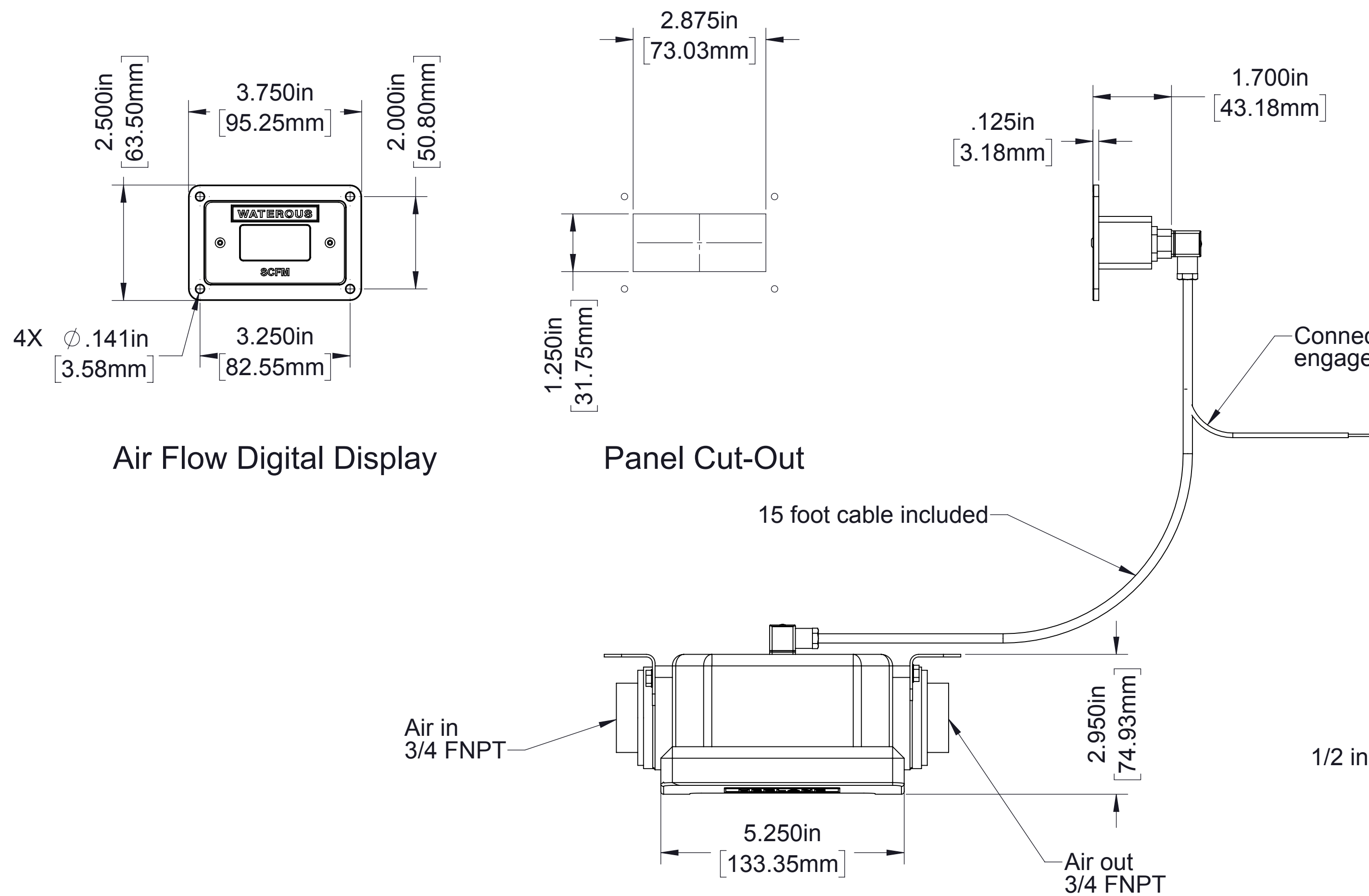
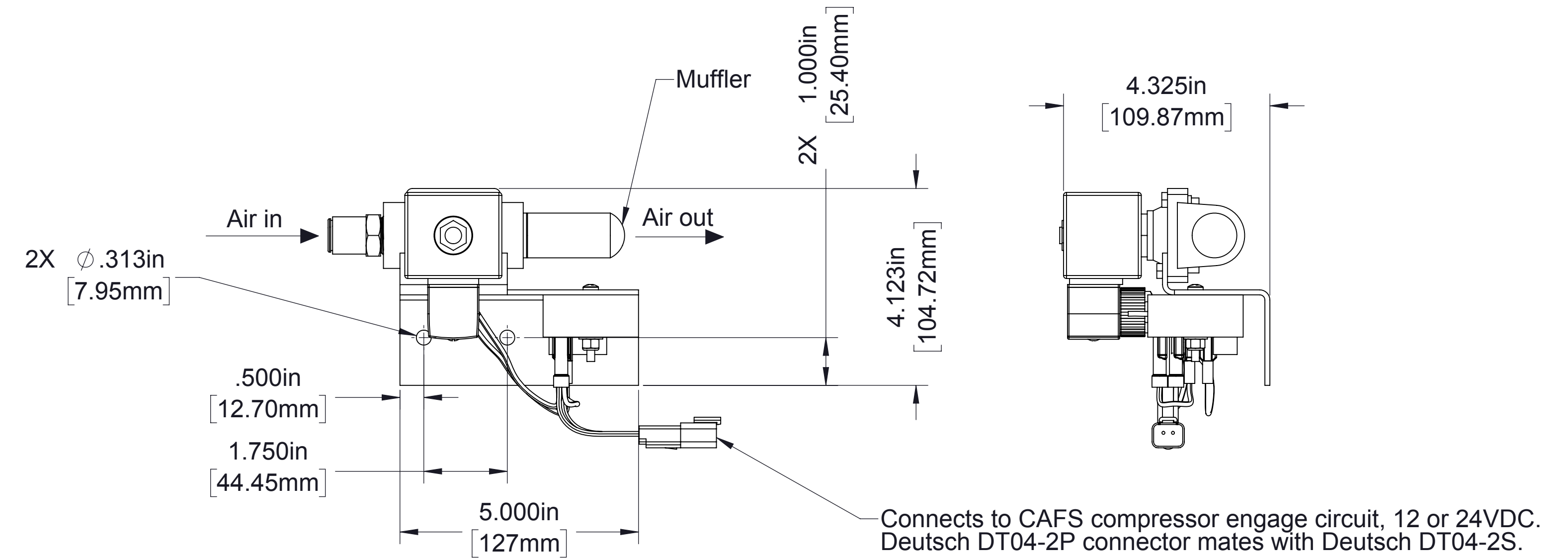


### Optional Auxiliary Air Connection



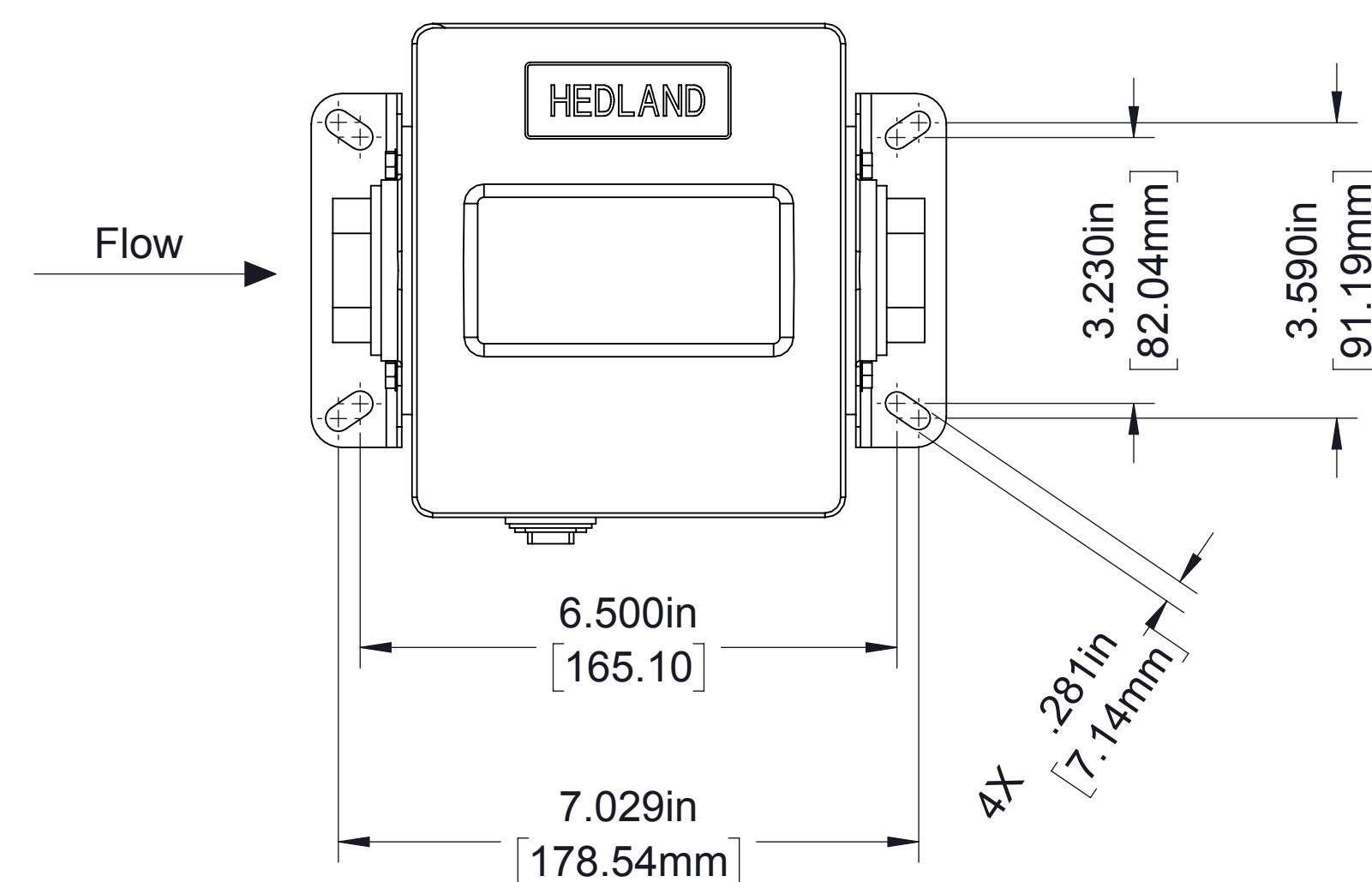


**Optional Air Pressure Gauge**  
Single Mpa scale order part number 83417-1A  
Dual PSI/Kpa scale order part number 83417-1B



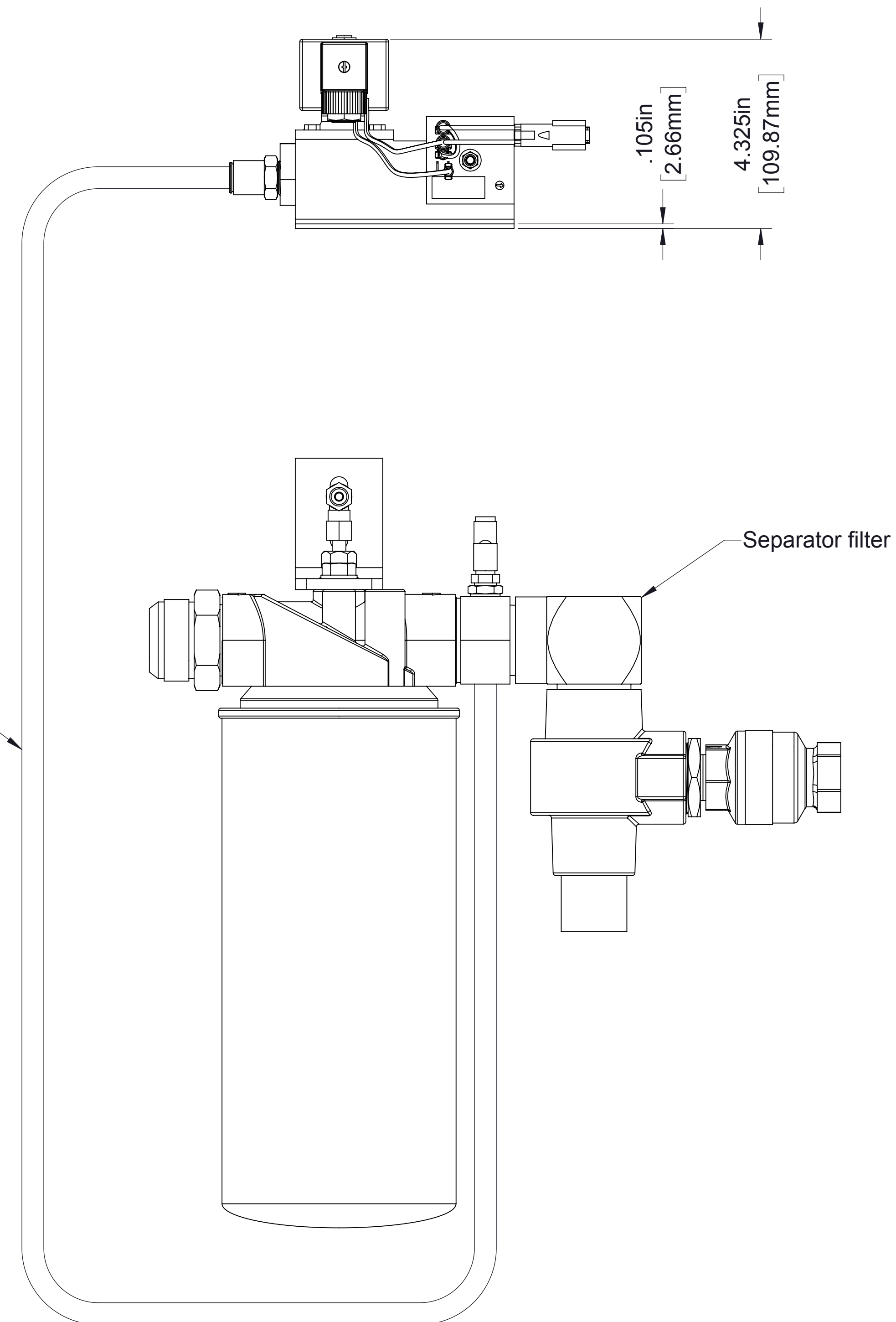
**Air Flow Digital Display**

**Panel Cut-Out**



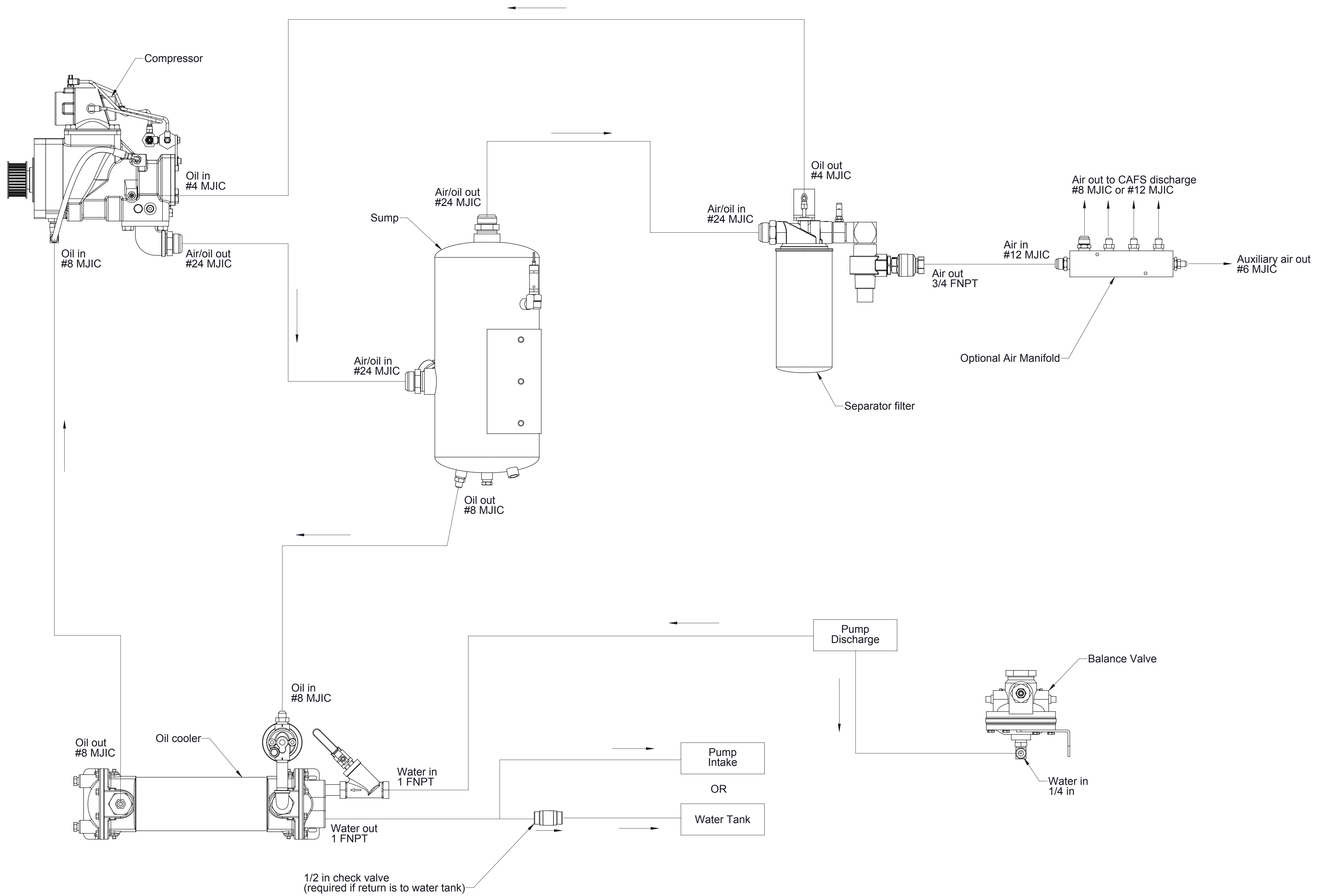
**Air Flow Meter**

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



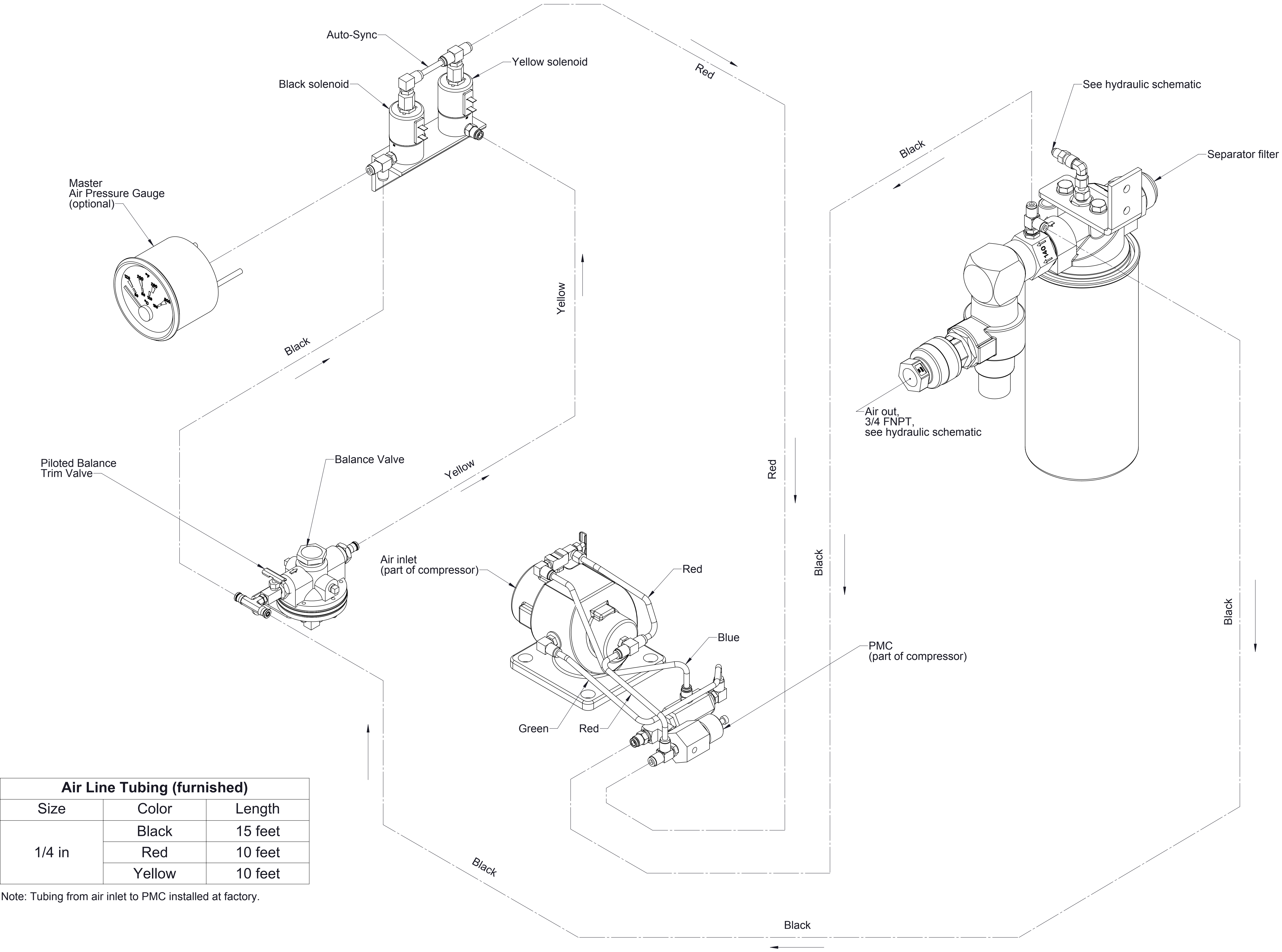
**Sump Vent**

Vents compressor pressure for 10 seconds at start-up to prevent engine stalling.  
order part number 83293-2A (12V) or 83293-2B (24V).



Hydraulic Schematic





Air Circuit Schematic

