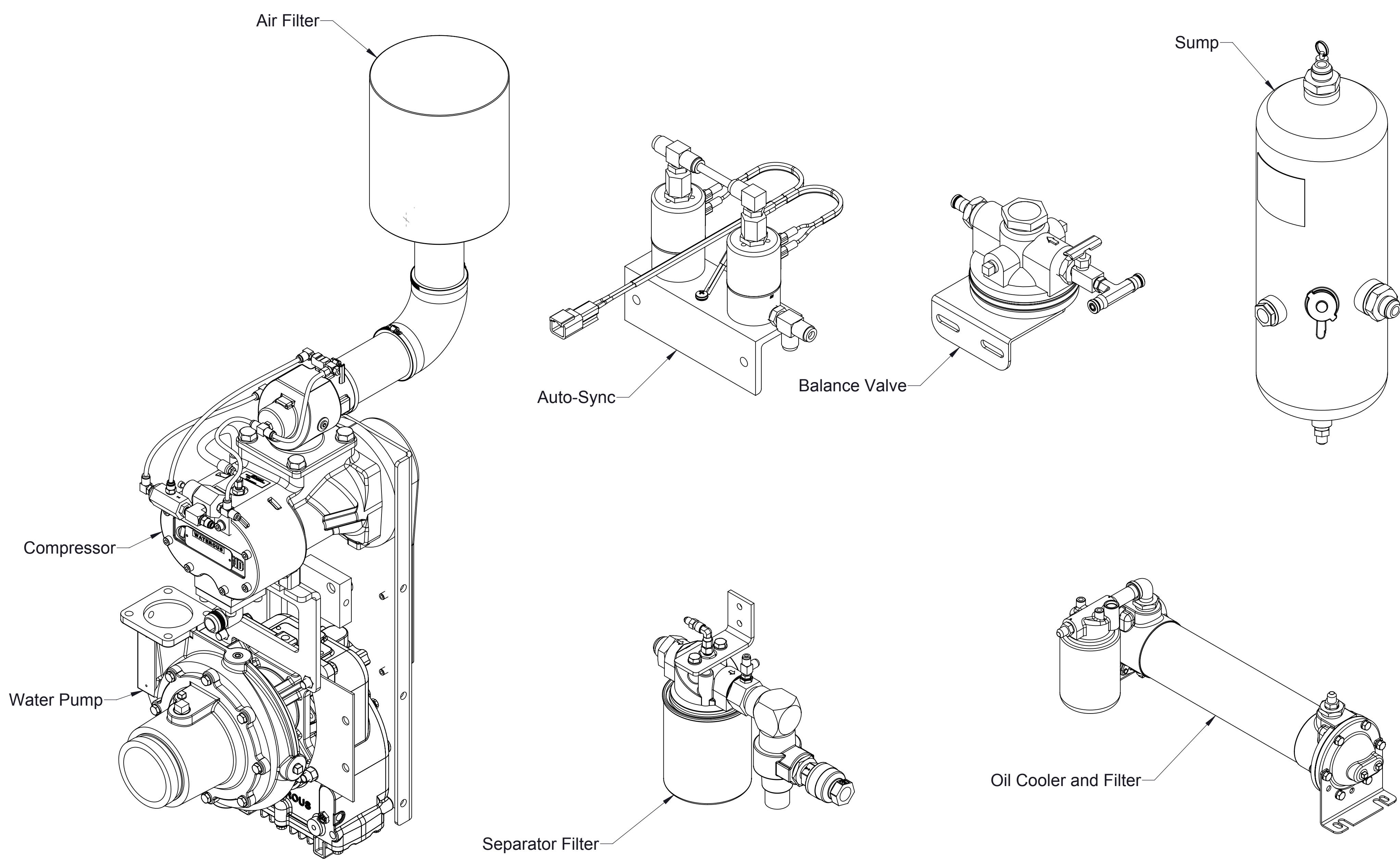
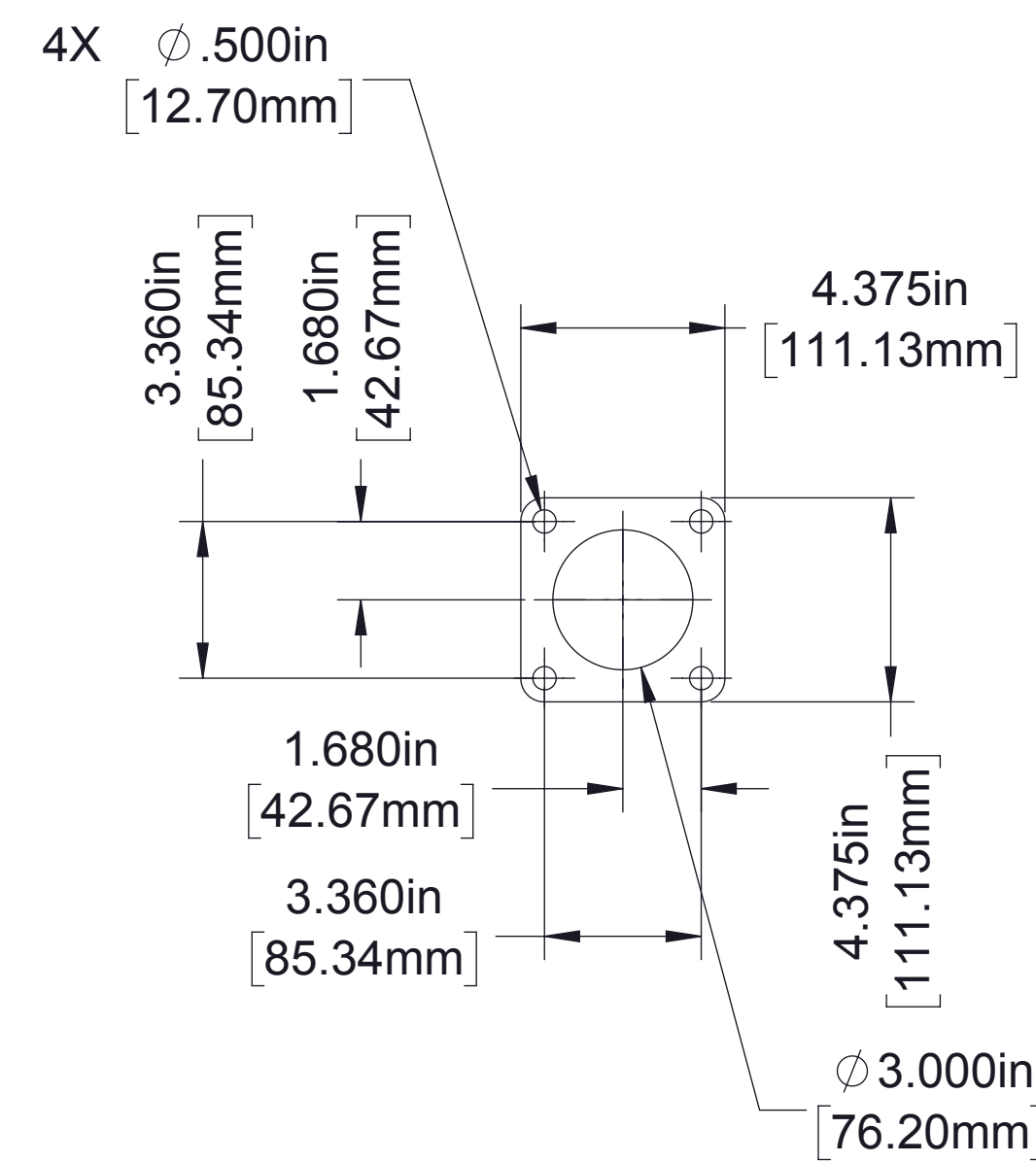


PTO Compressor System Dimensional Drawings

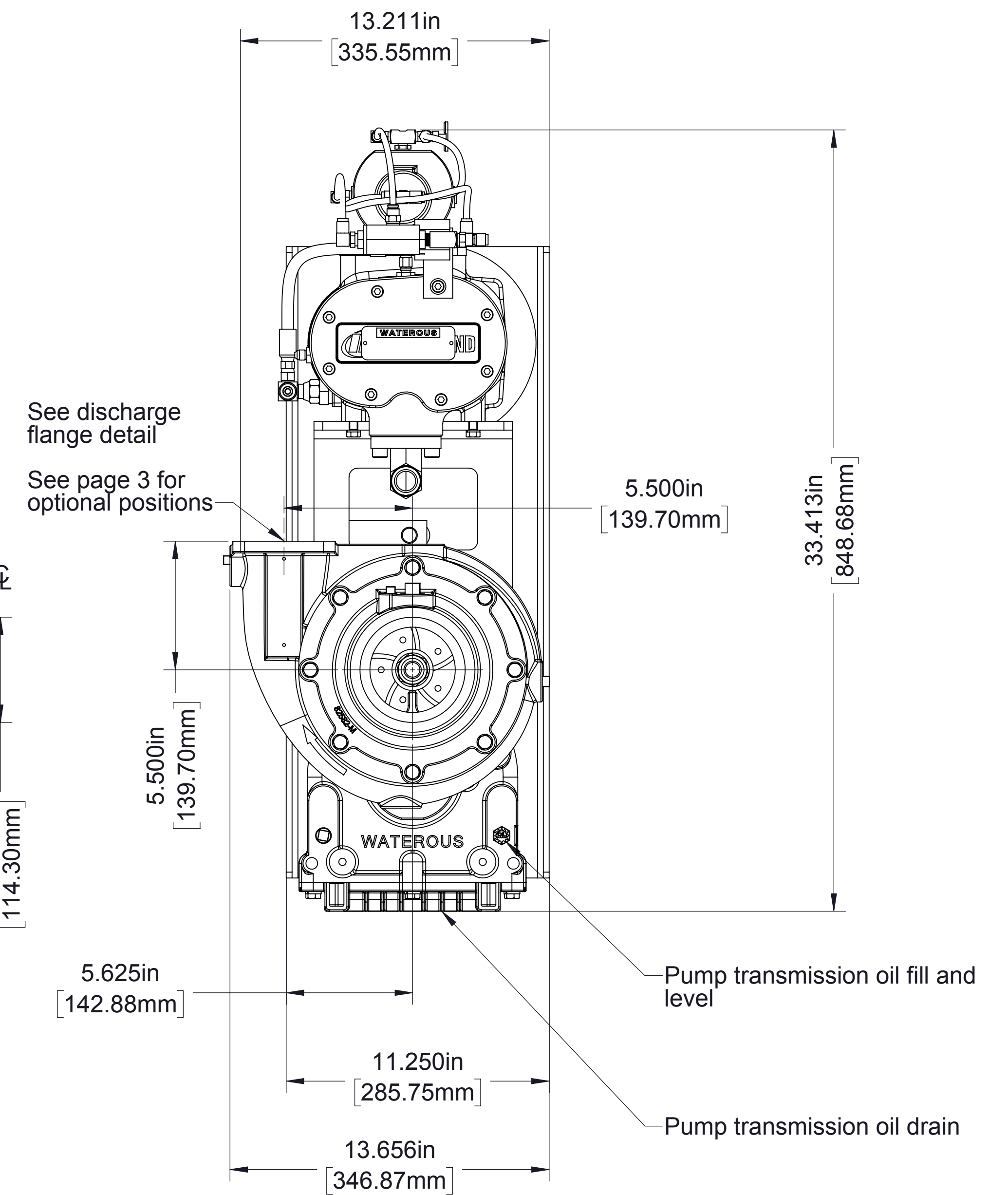
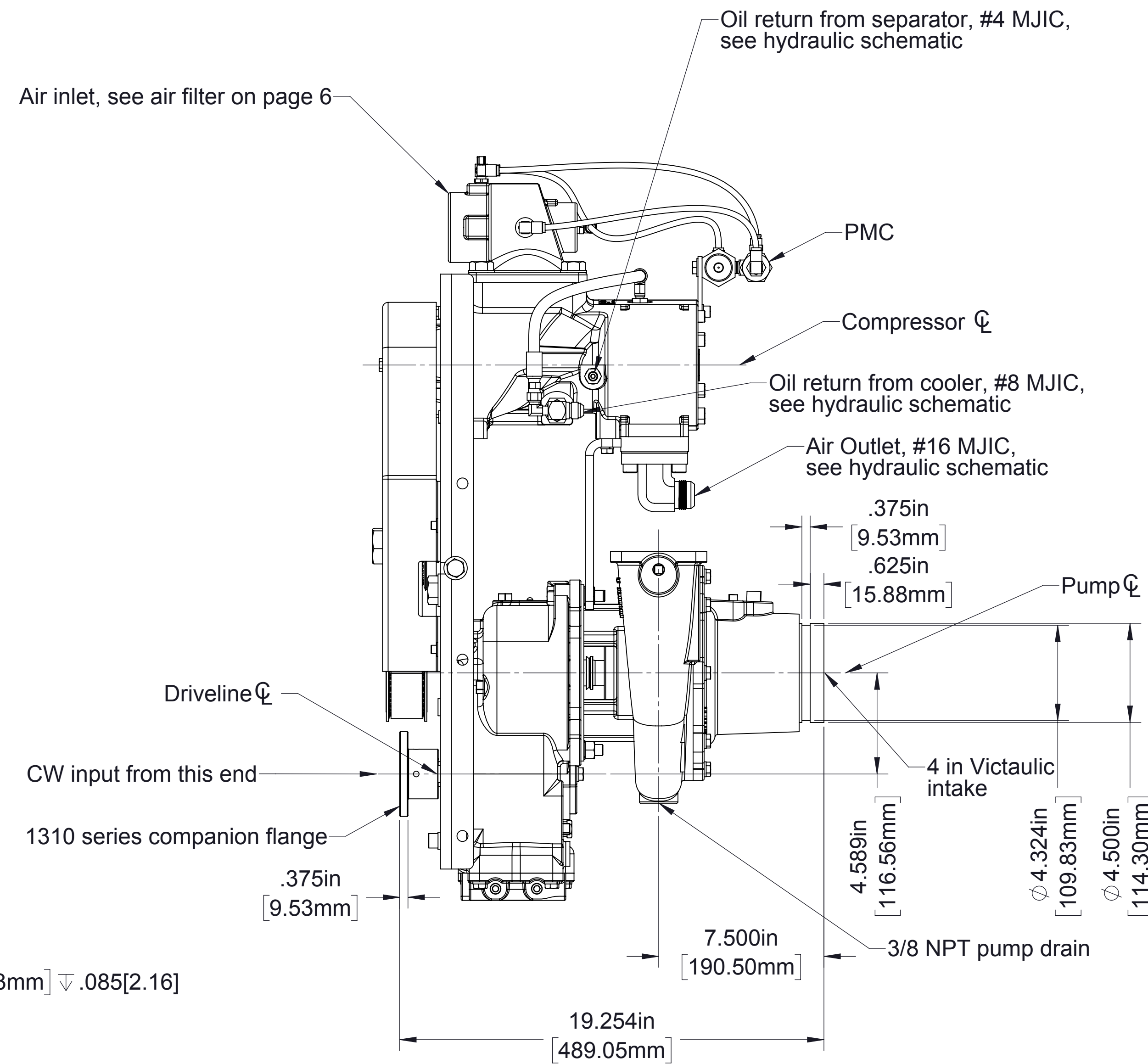
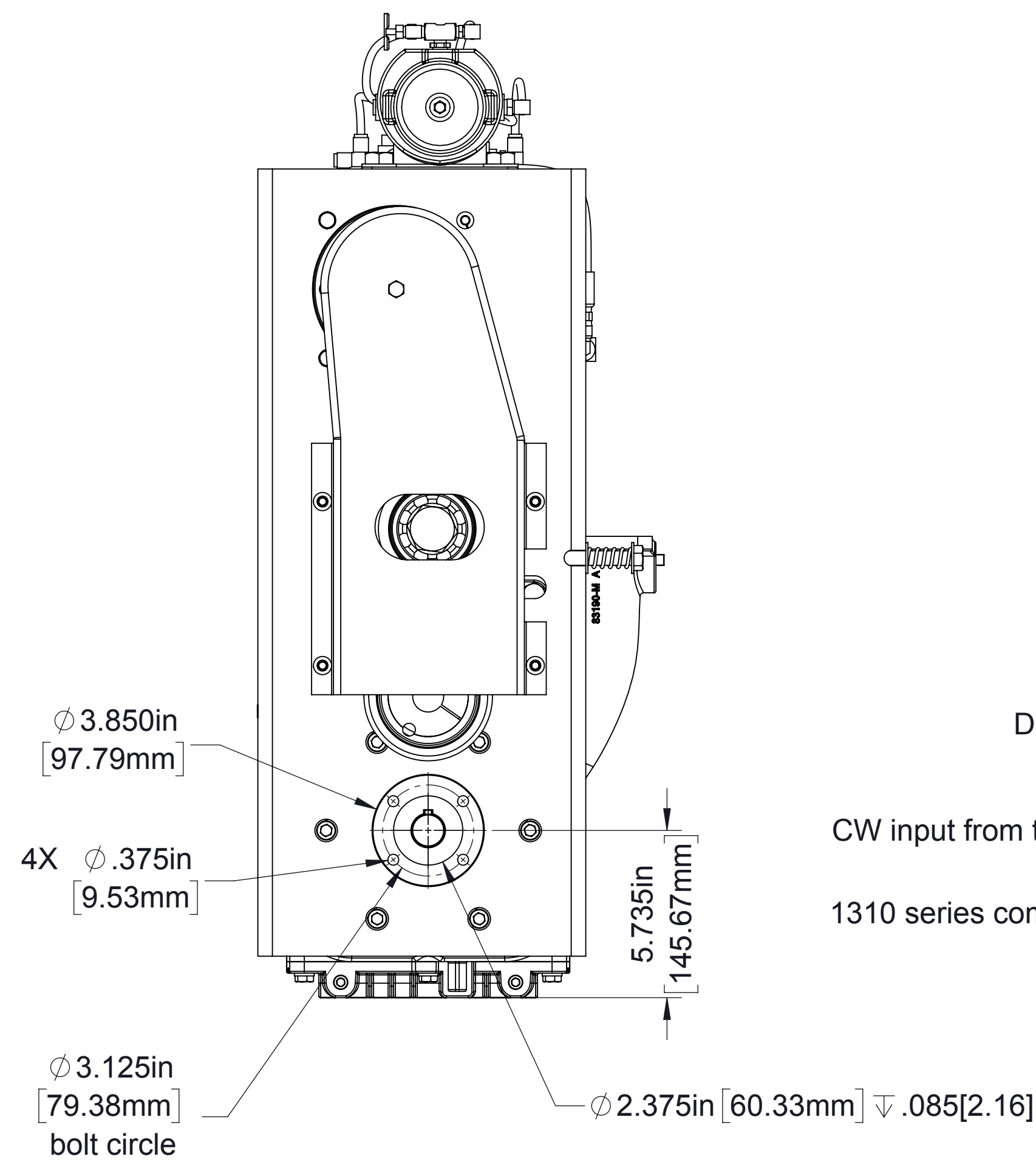
Models 500-100-P and 500-120-P
Includes fire pump model CLVK



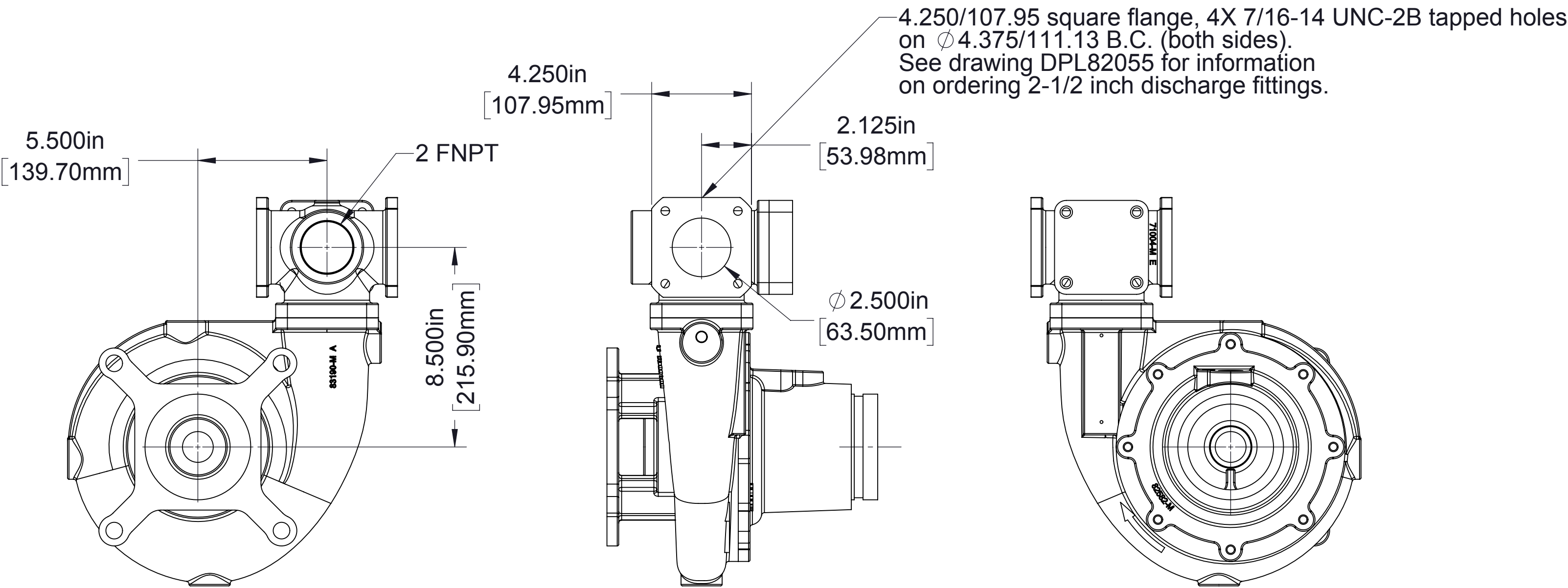
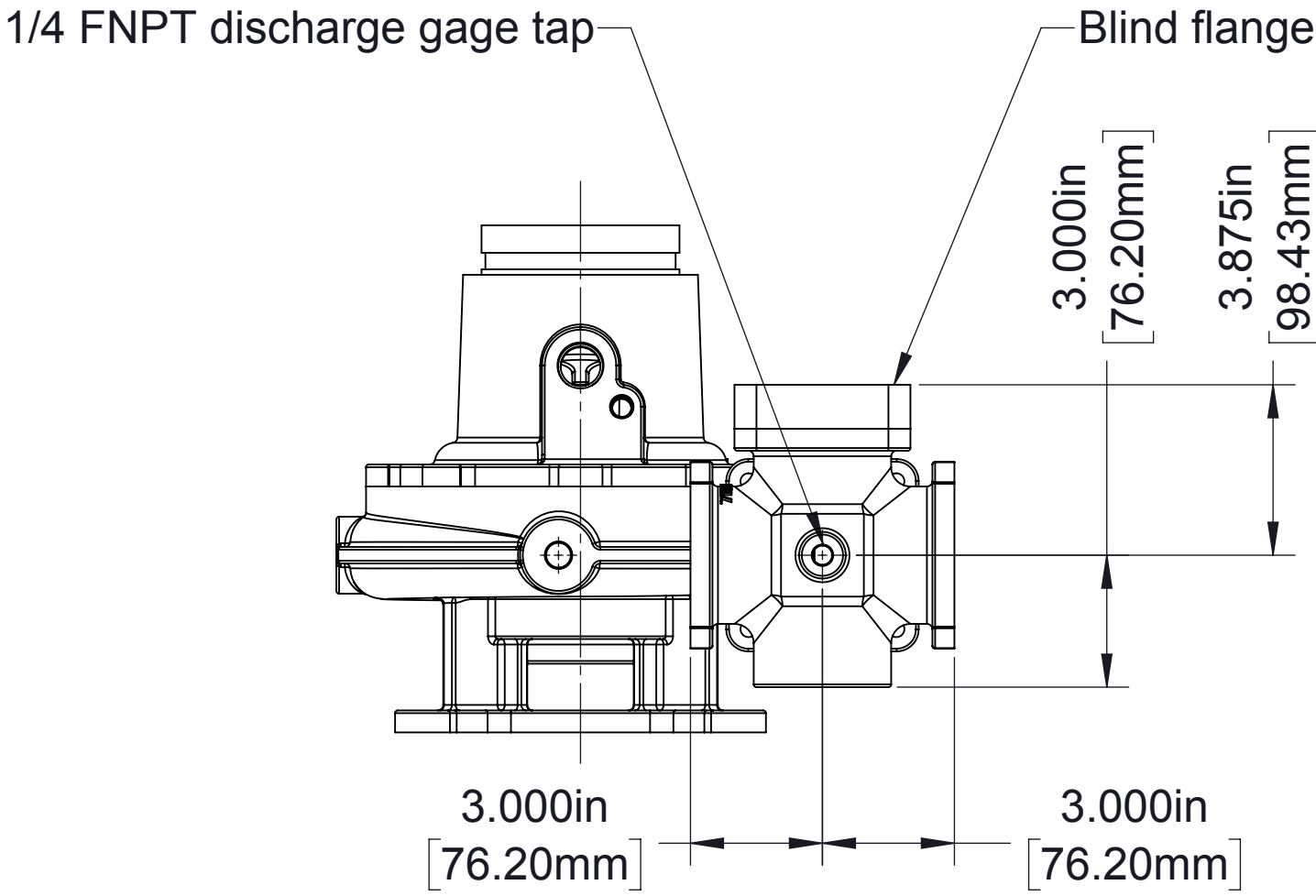
Standard Components:	Page
• Compressor and Water Pump	2
• Available Pump Discharge Positions	3
• Sump (Oil Reservoir)	4
• Oil Cooler and Filter	5
• Air Filter	6
• Separator Filter	6
• Auto-Sync	7
• Balance Valve	7
• Oil Temperature Gauge	7
• Panel Plates	7
Optional Components:	
• Pump Discharge Fittings	3
• Air Oil Cooler (Electric Fan)	8
• Air Distribution Manifold	9
• Auxiliary Air Connection	10
• Air Pressure Gauge	11
• 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
Foam Pumps:	
• Models Aquis 1.5, 3.0 or 6.0	See F-1031-2447
Schematics:	
• Hydraulic	12
• Air Circuit	13
• Electrical	14



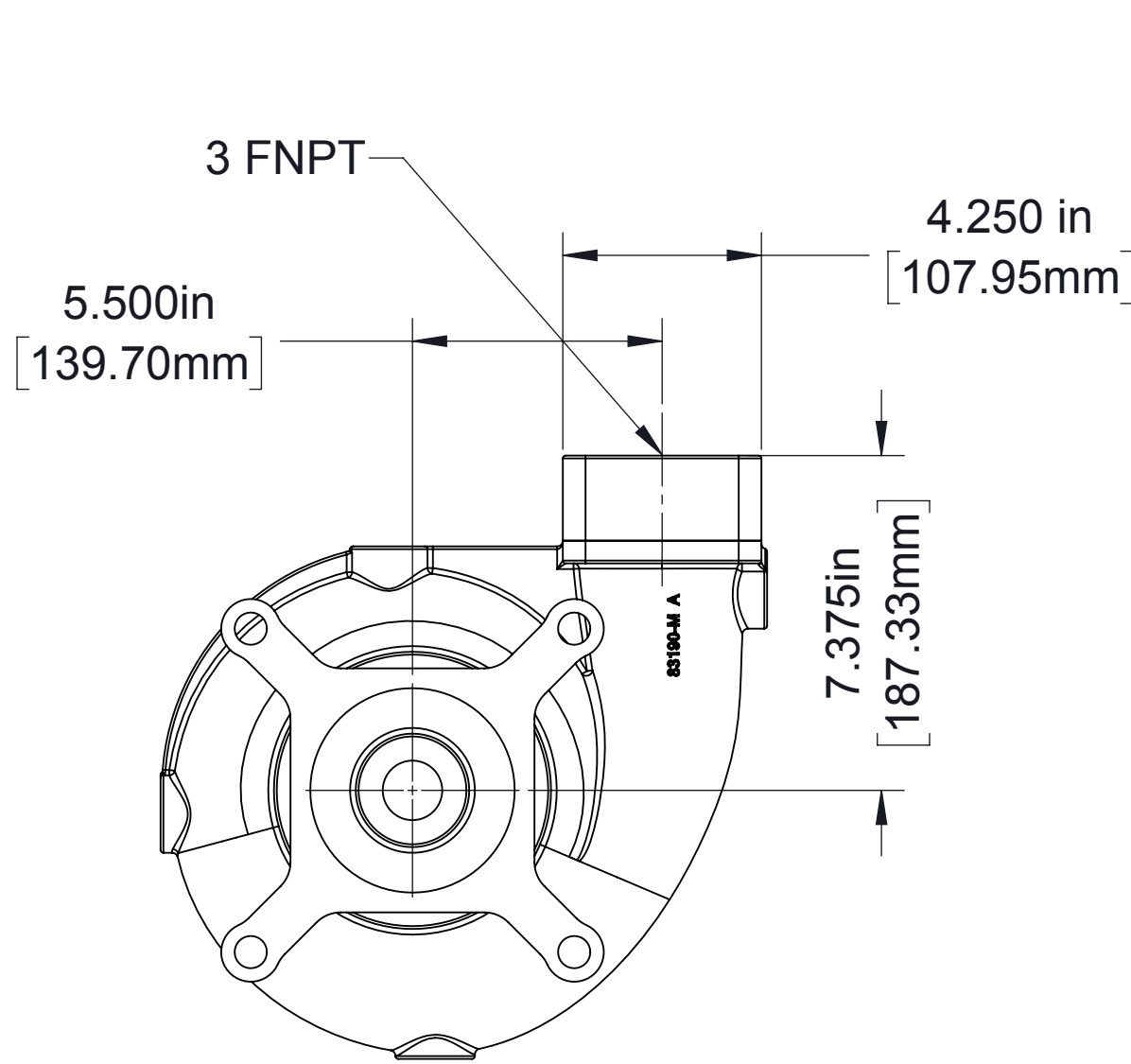
Discharge Flange Detail
See optional fittings on page 3



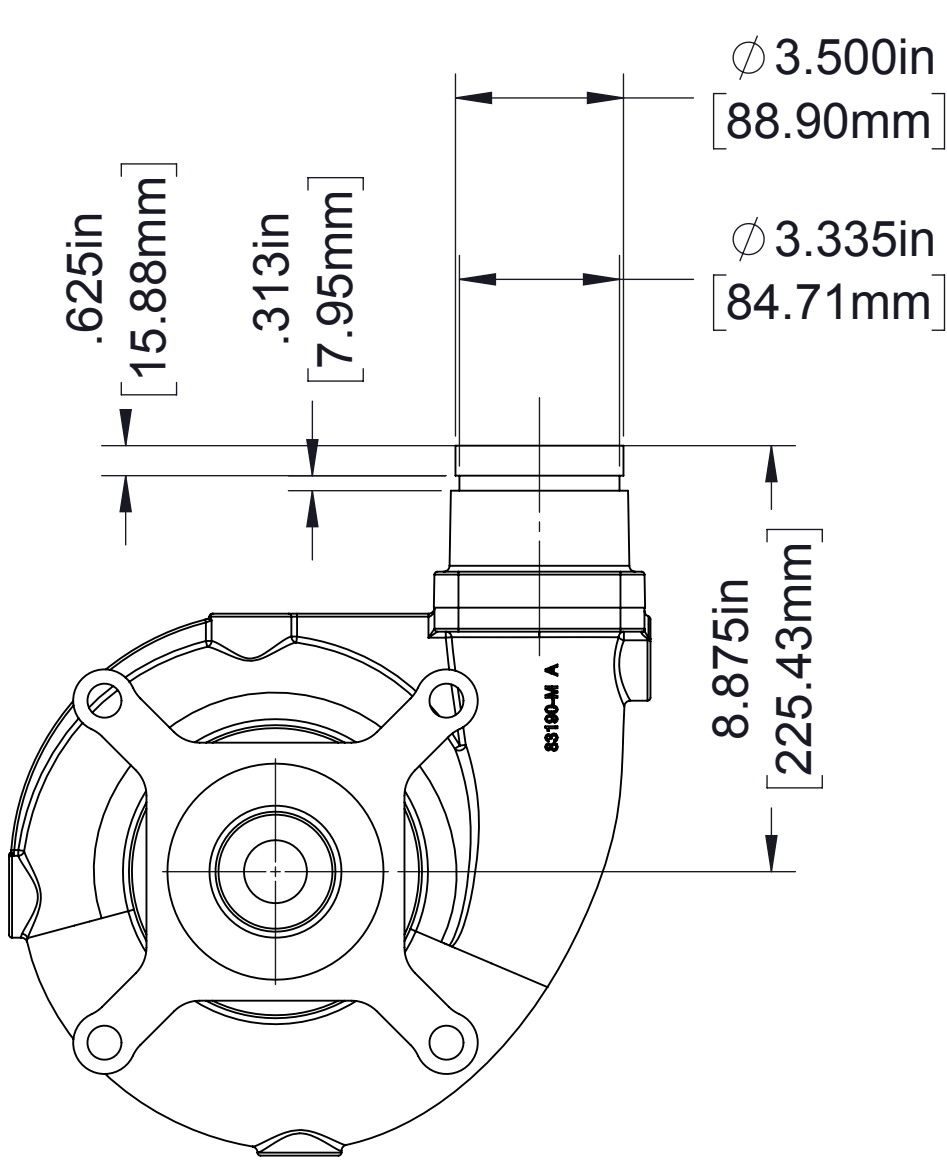
Compressor and Water Pump
Up discharge position shown



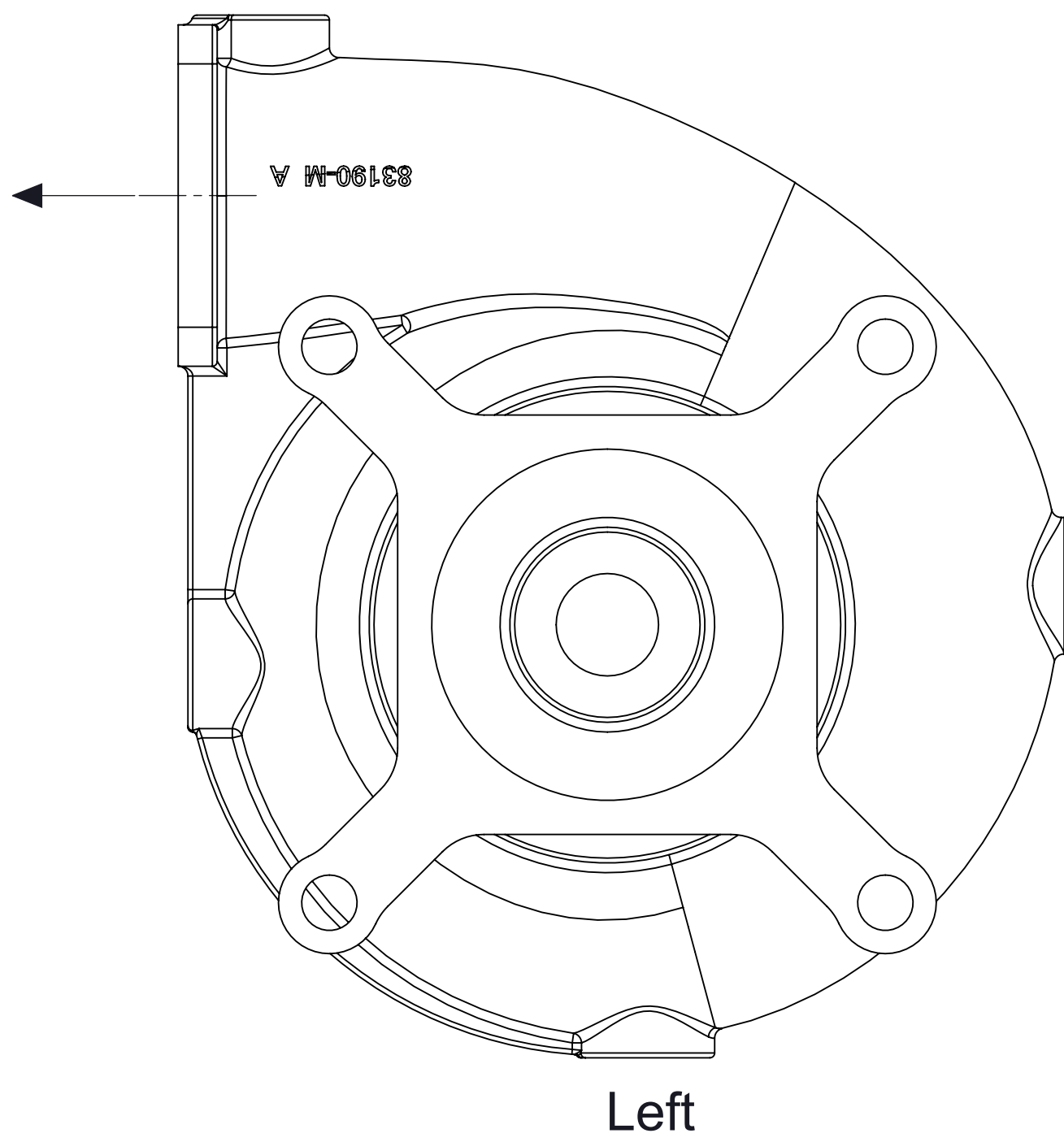
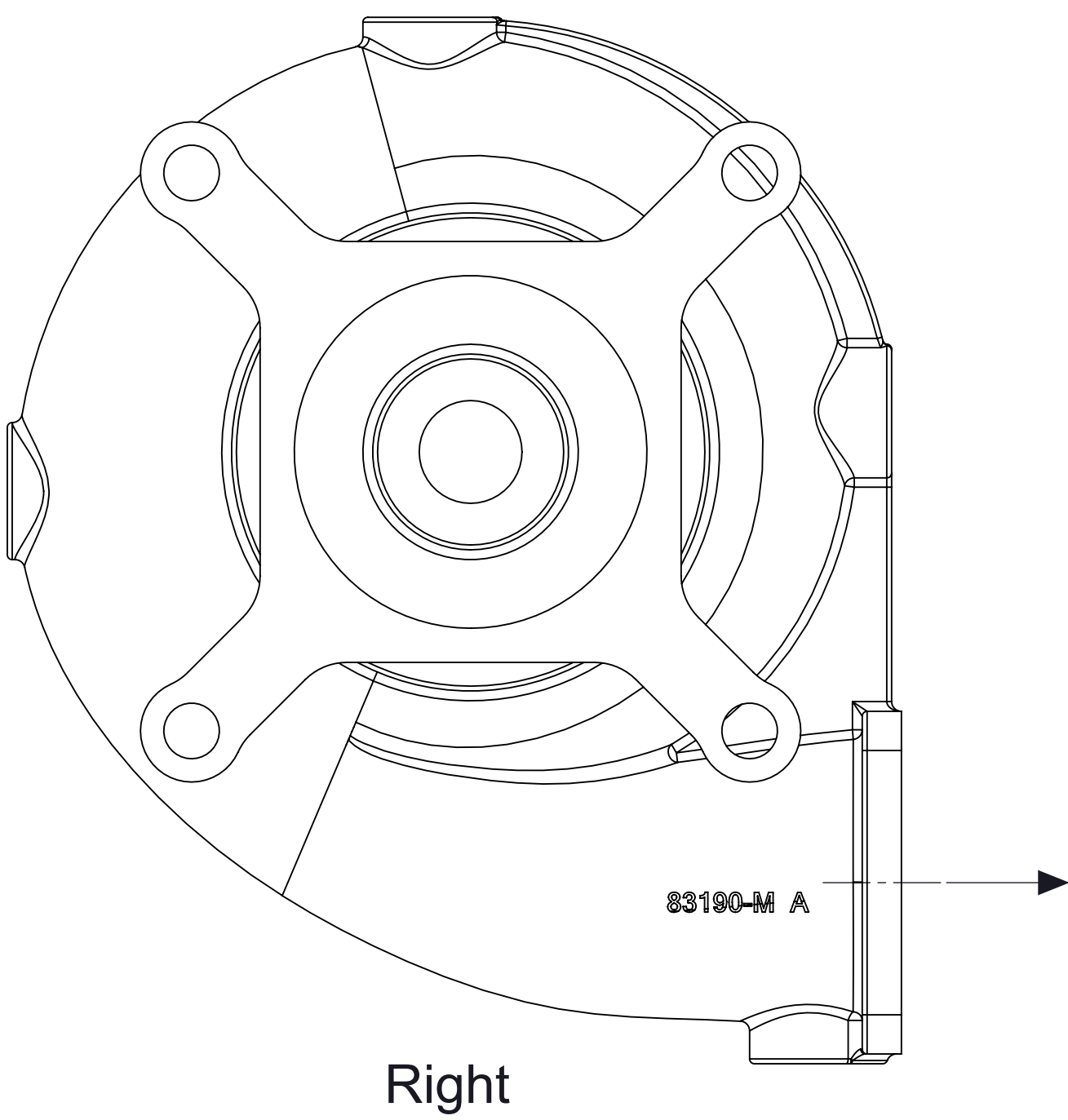
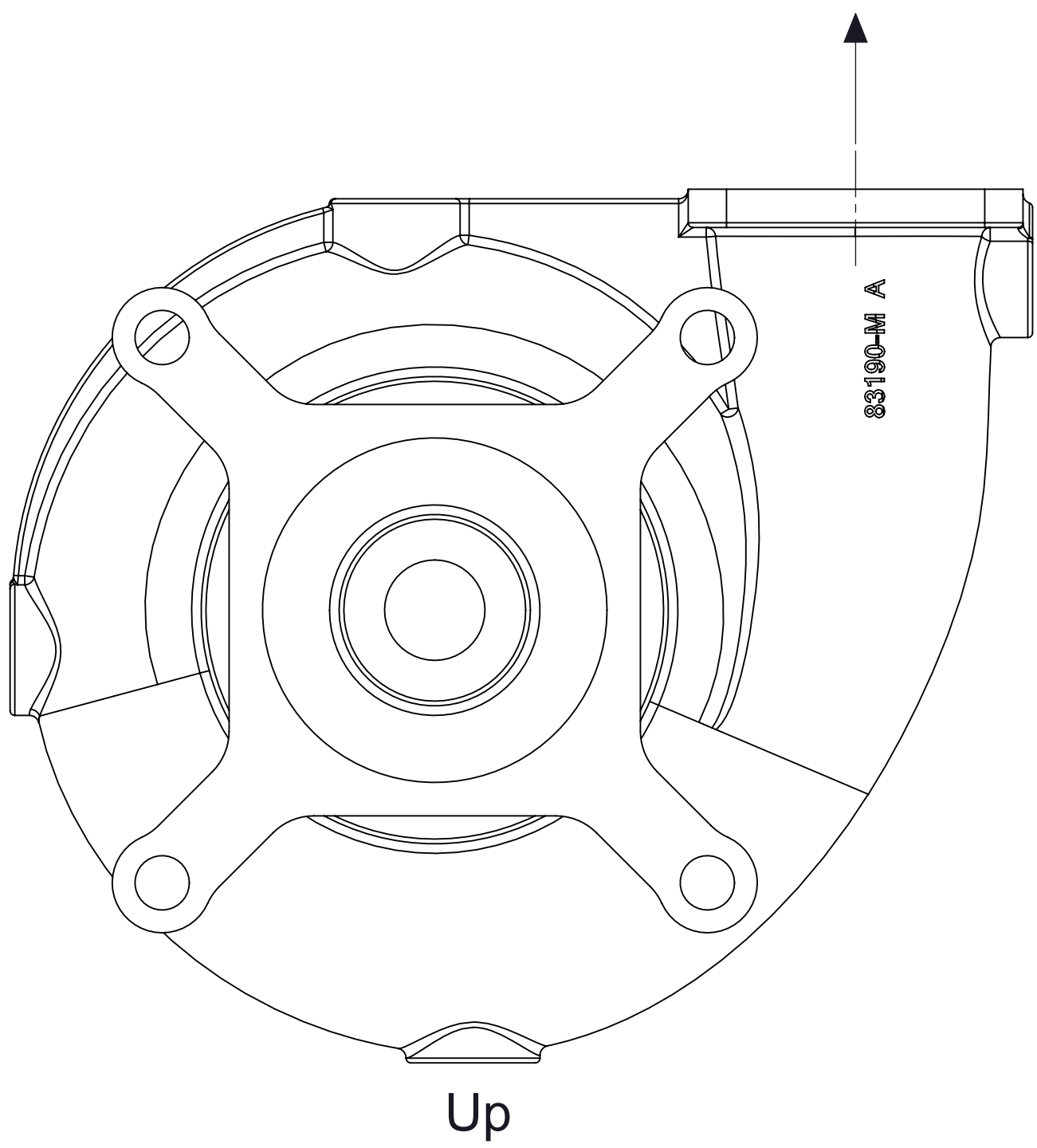
Optional Pump Discharge Head



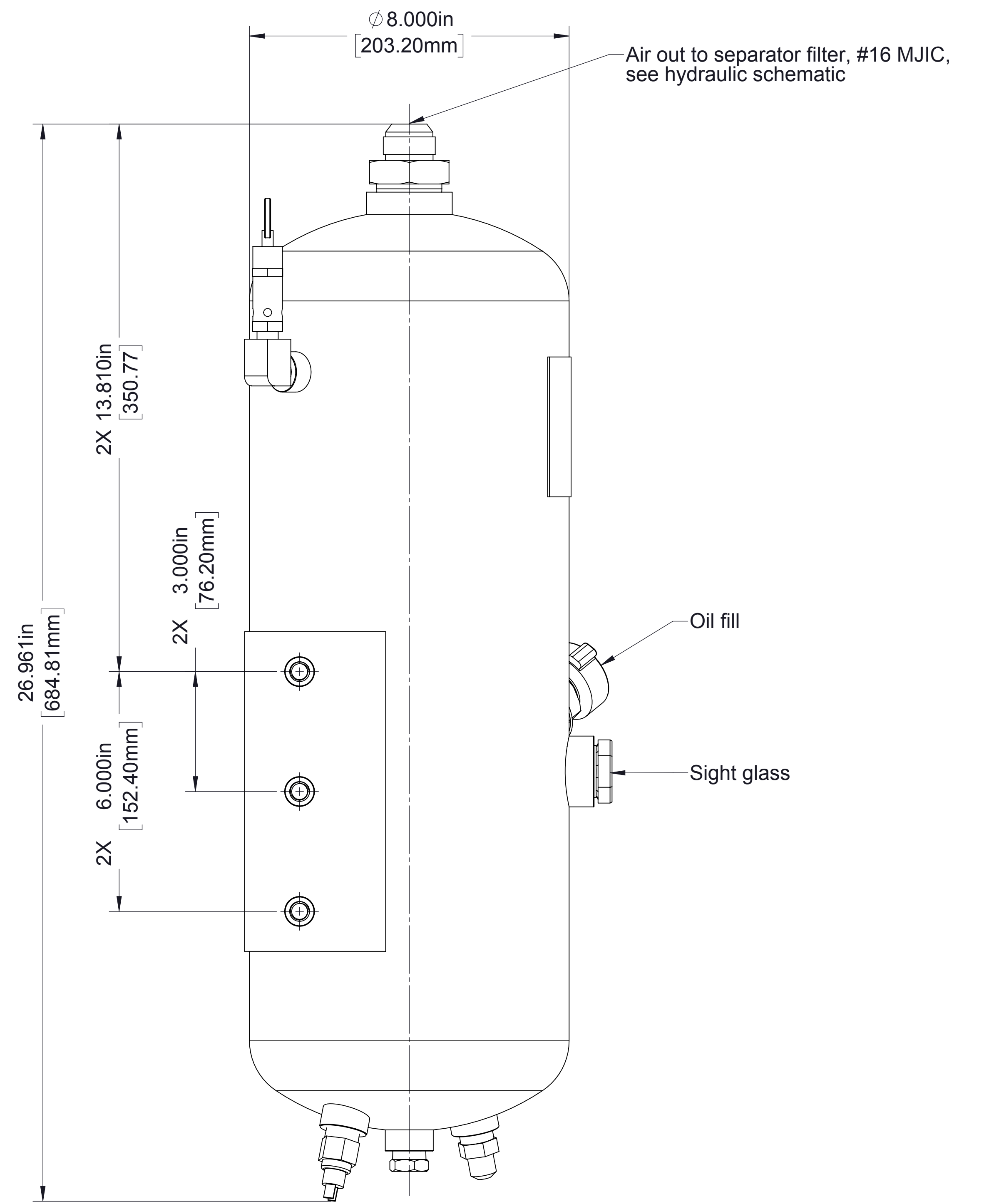
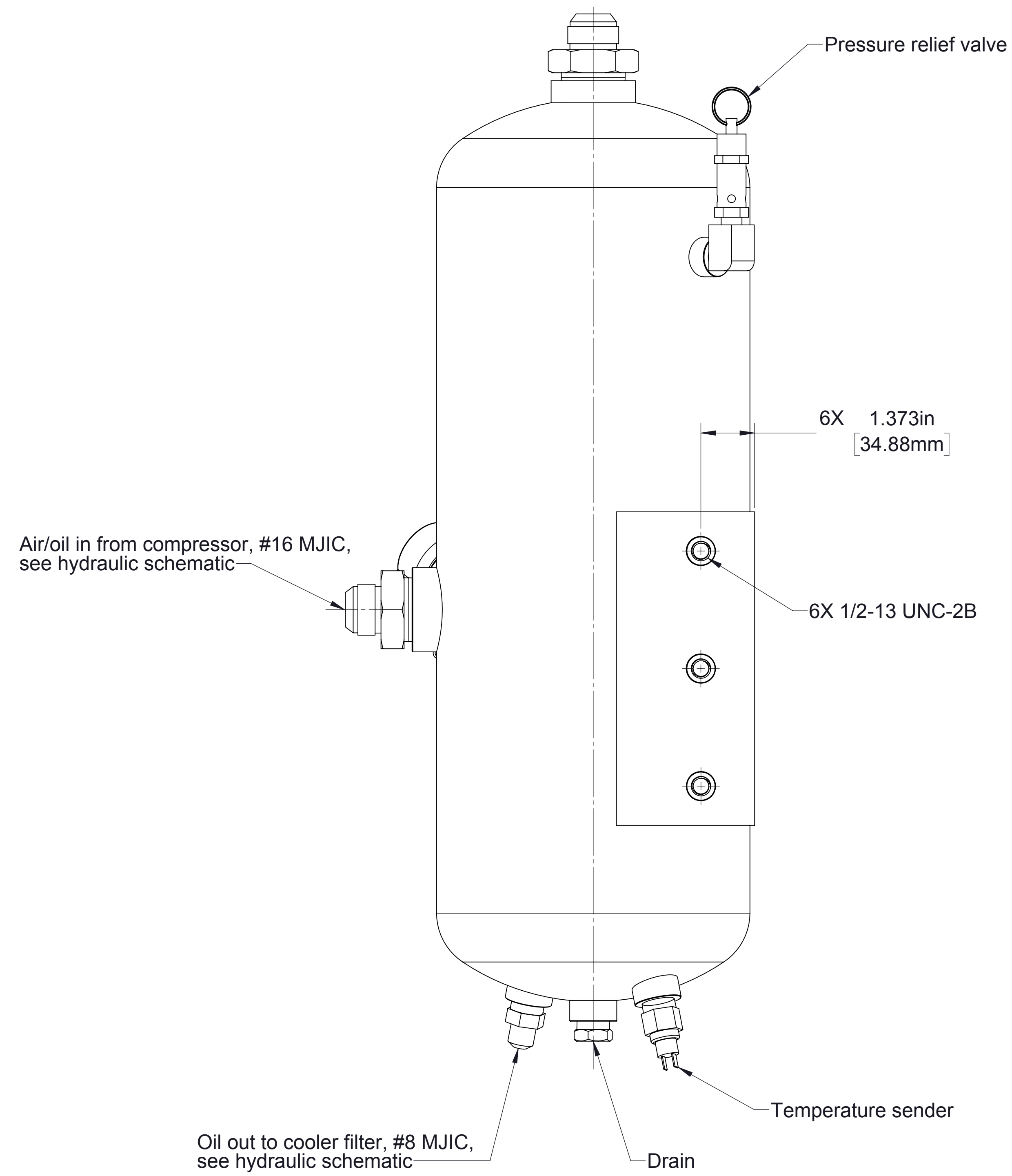
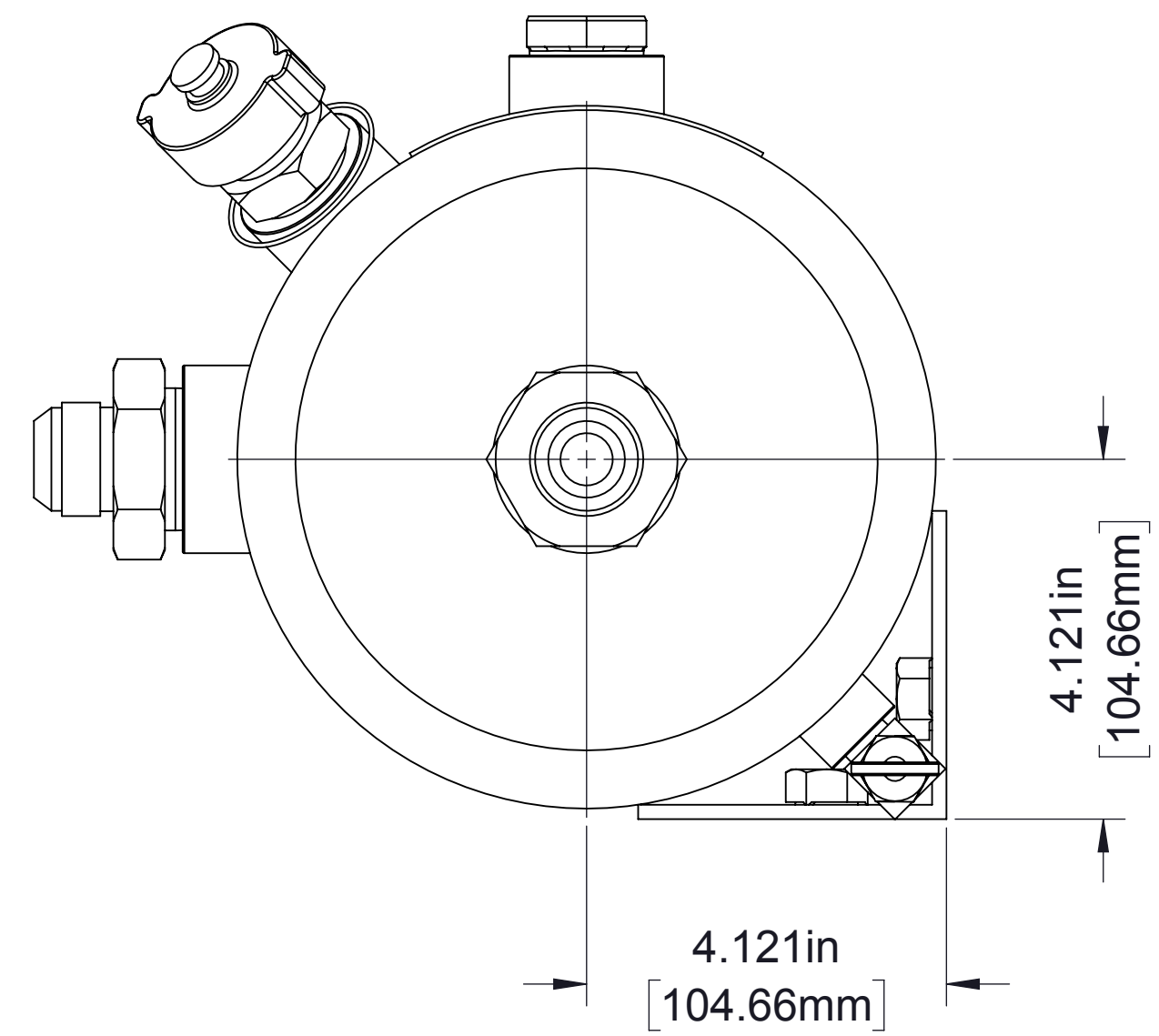
Optional 3 NPT Tapped Flange



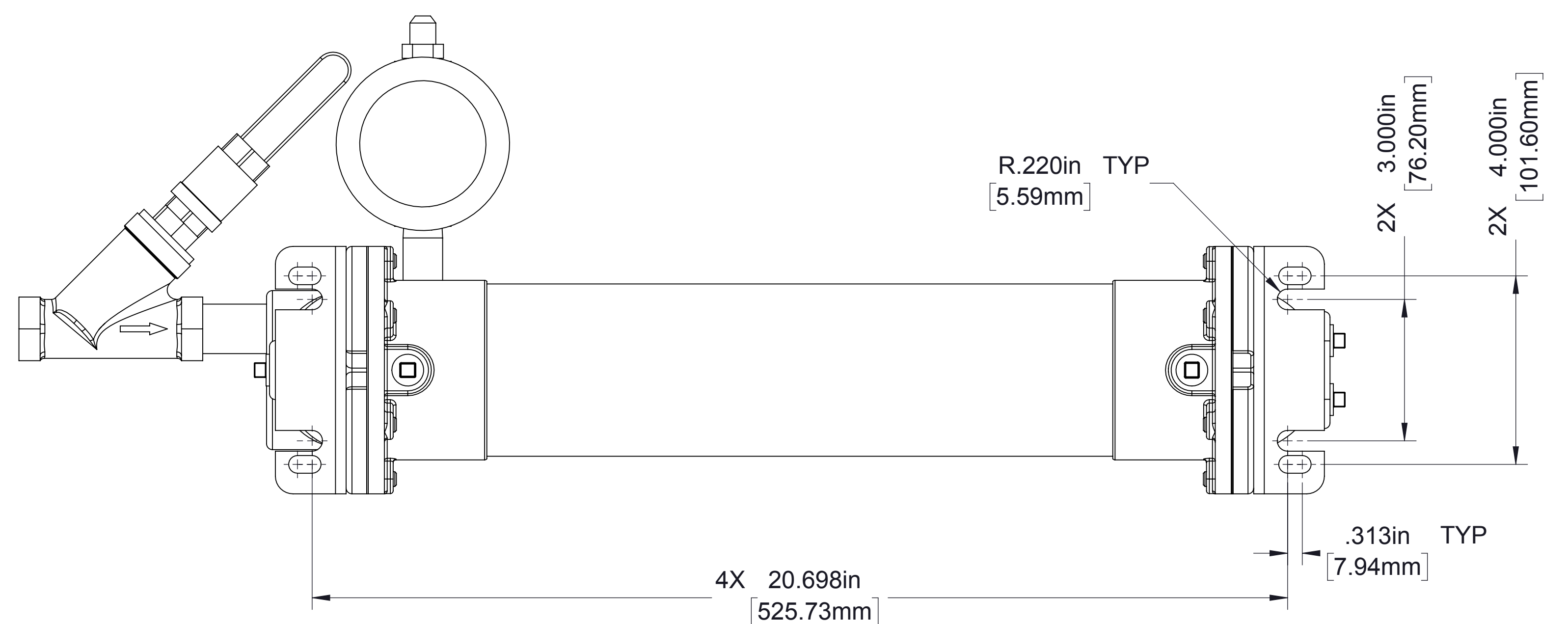
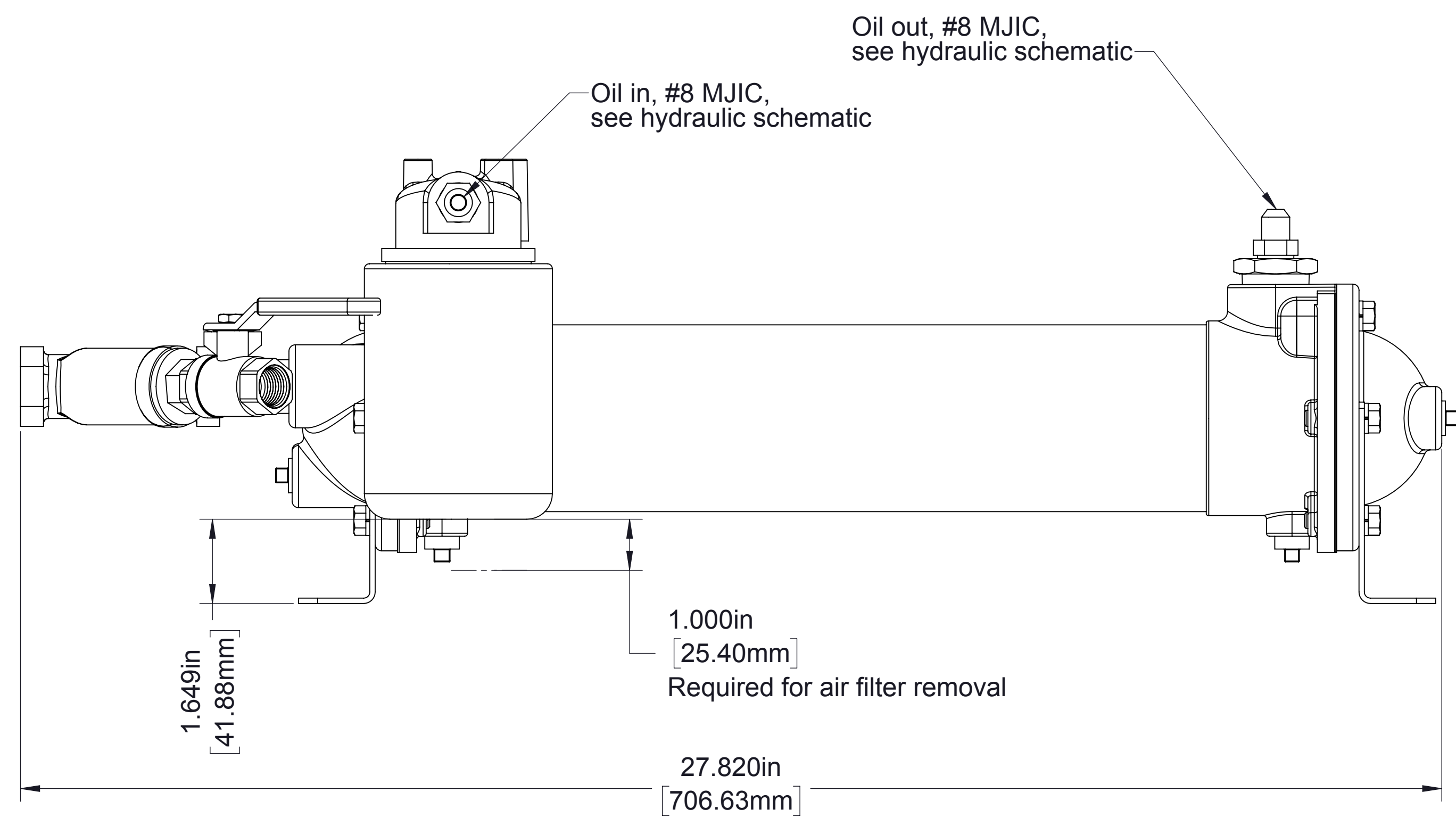
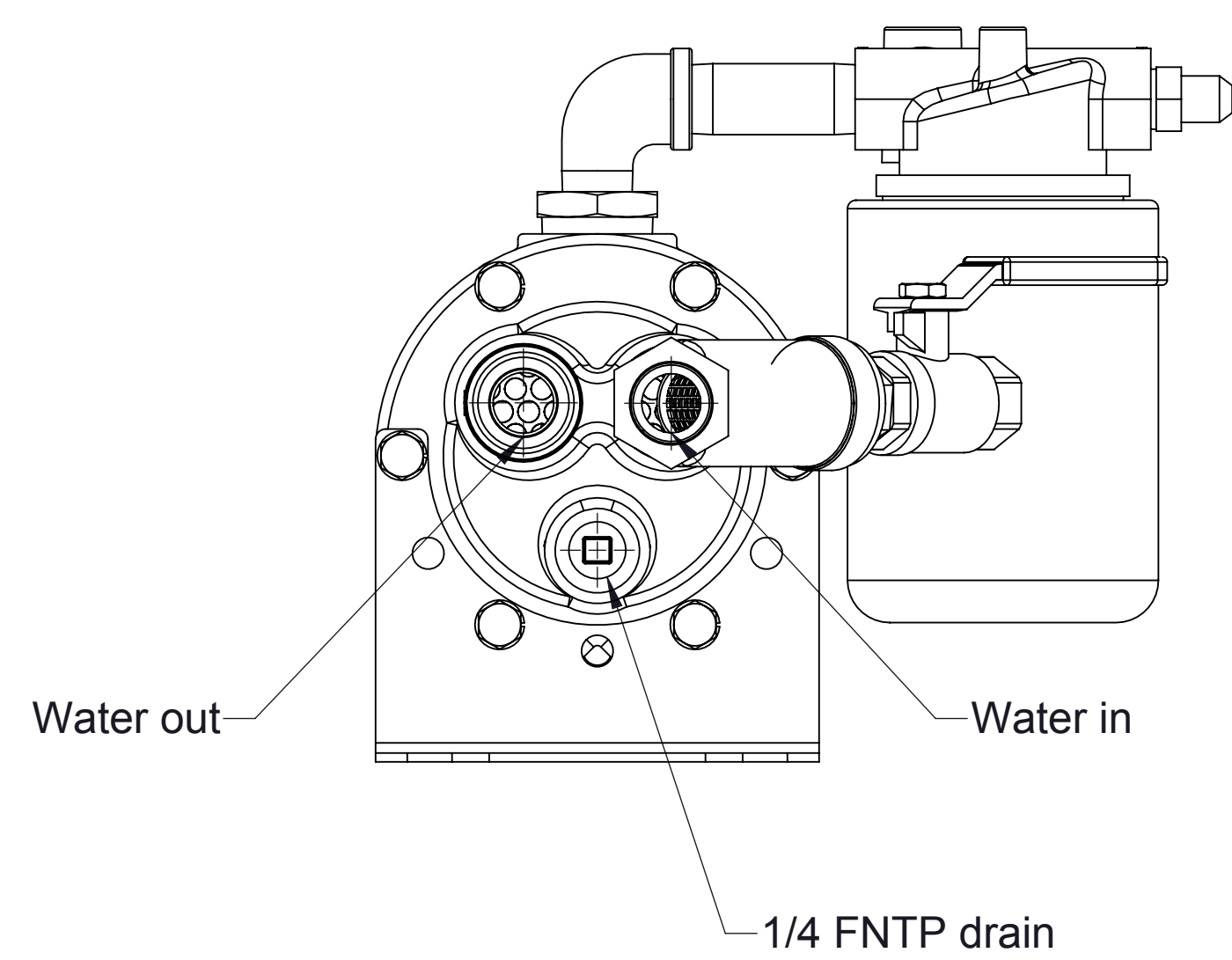
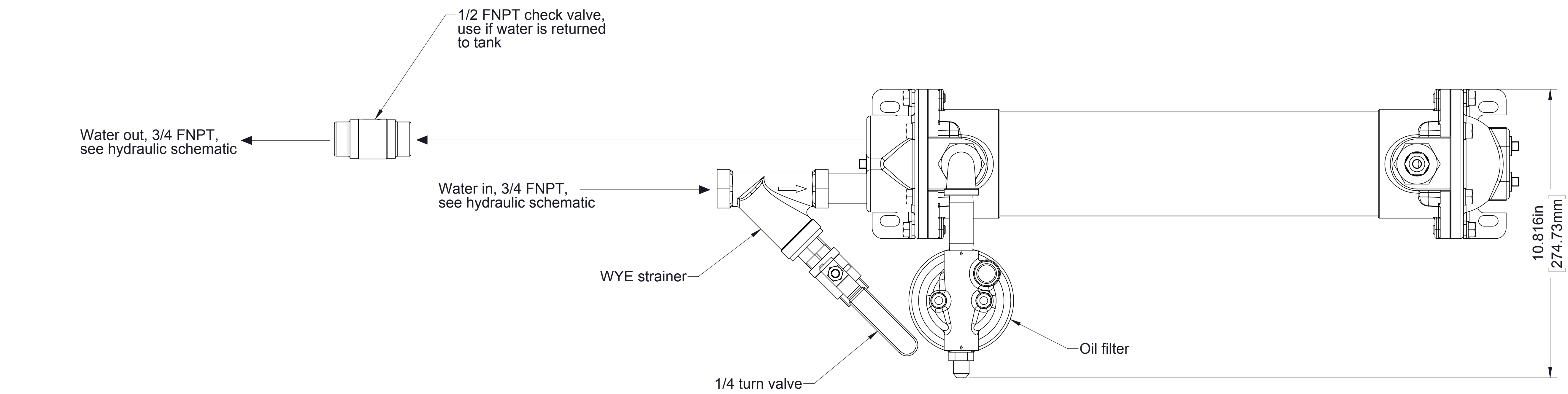
Optional 3 in Victaulic Flange

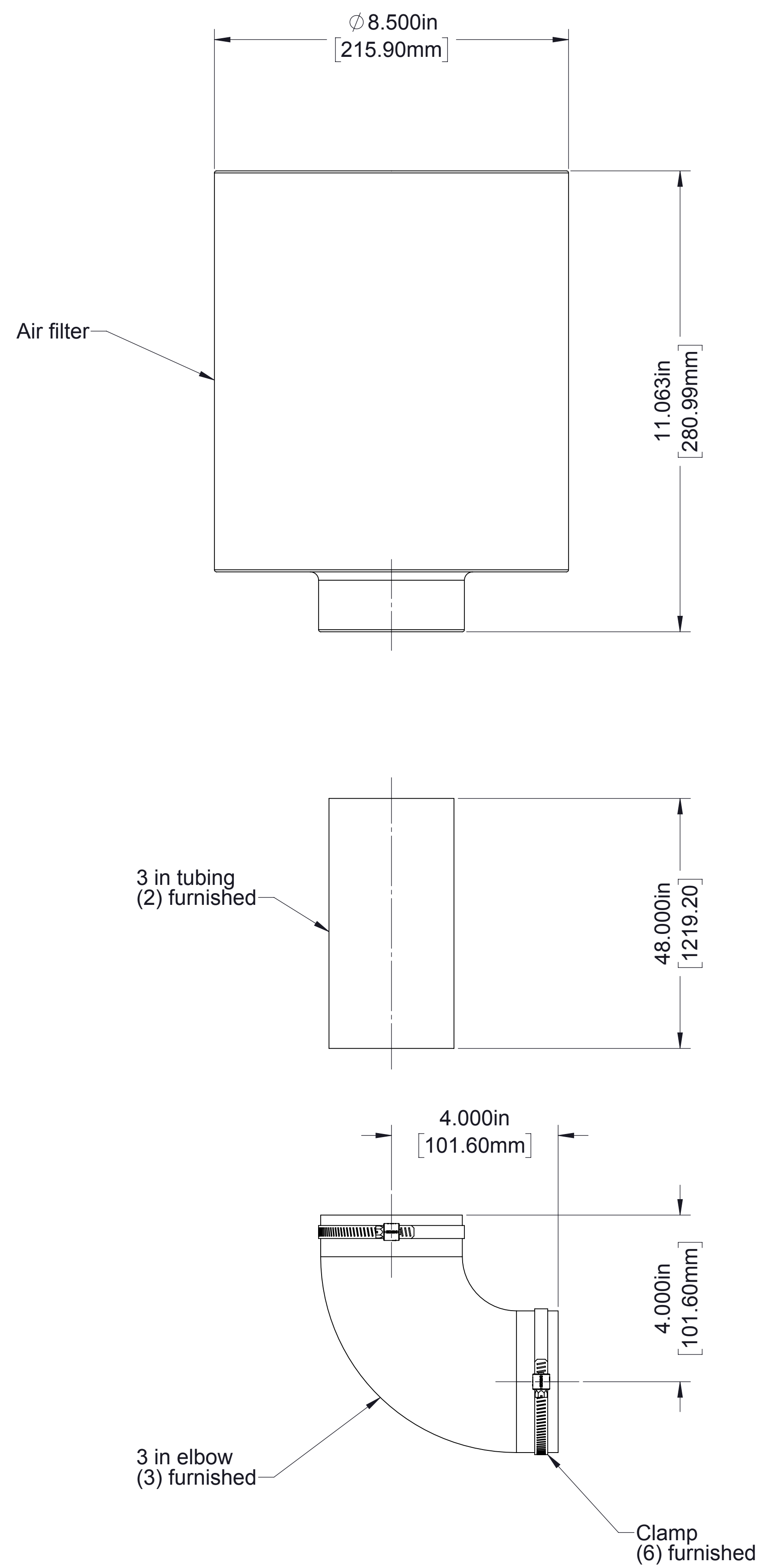


Available Discharge Positions, as viewed from input(transmission) end.

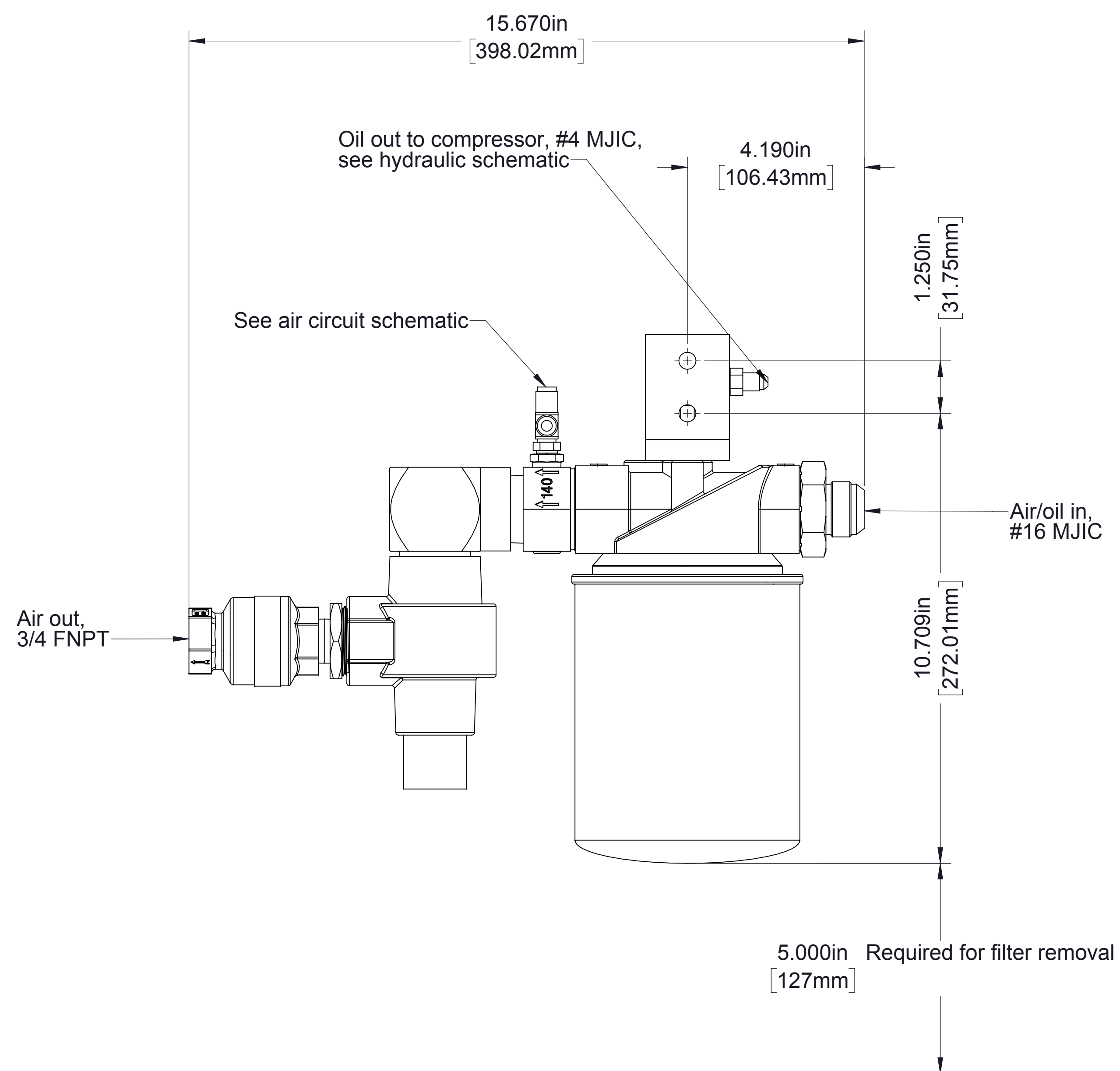


Sump (Oil Reservoir)

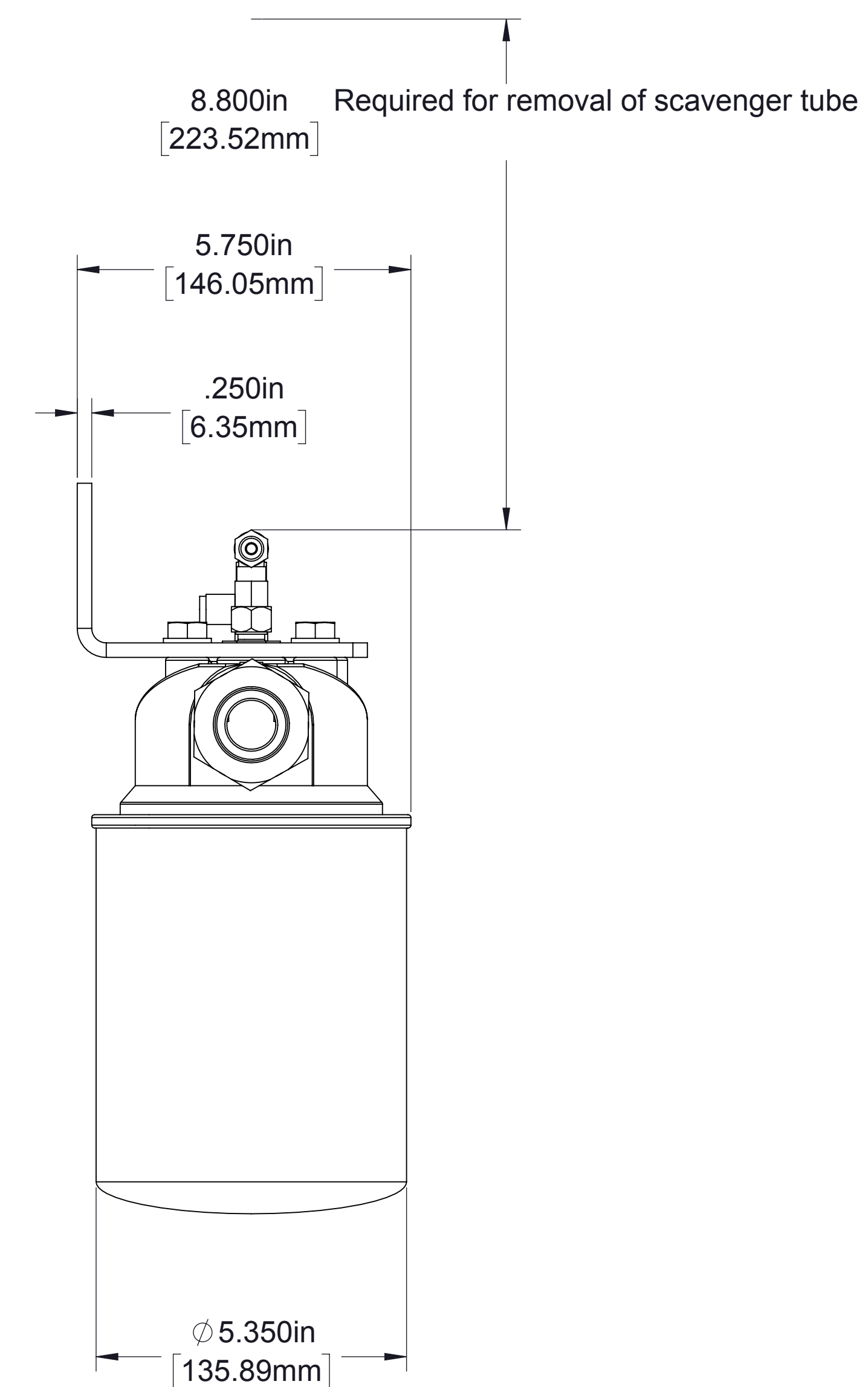


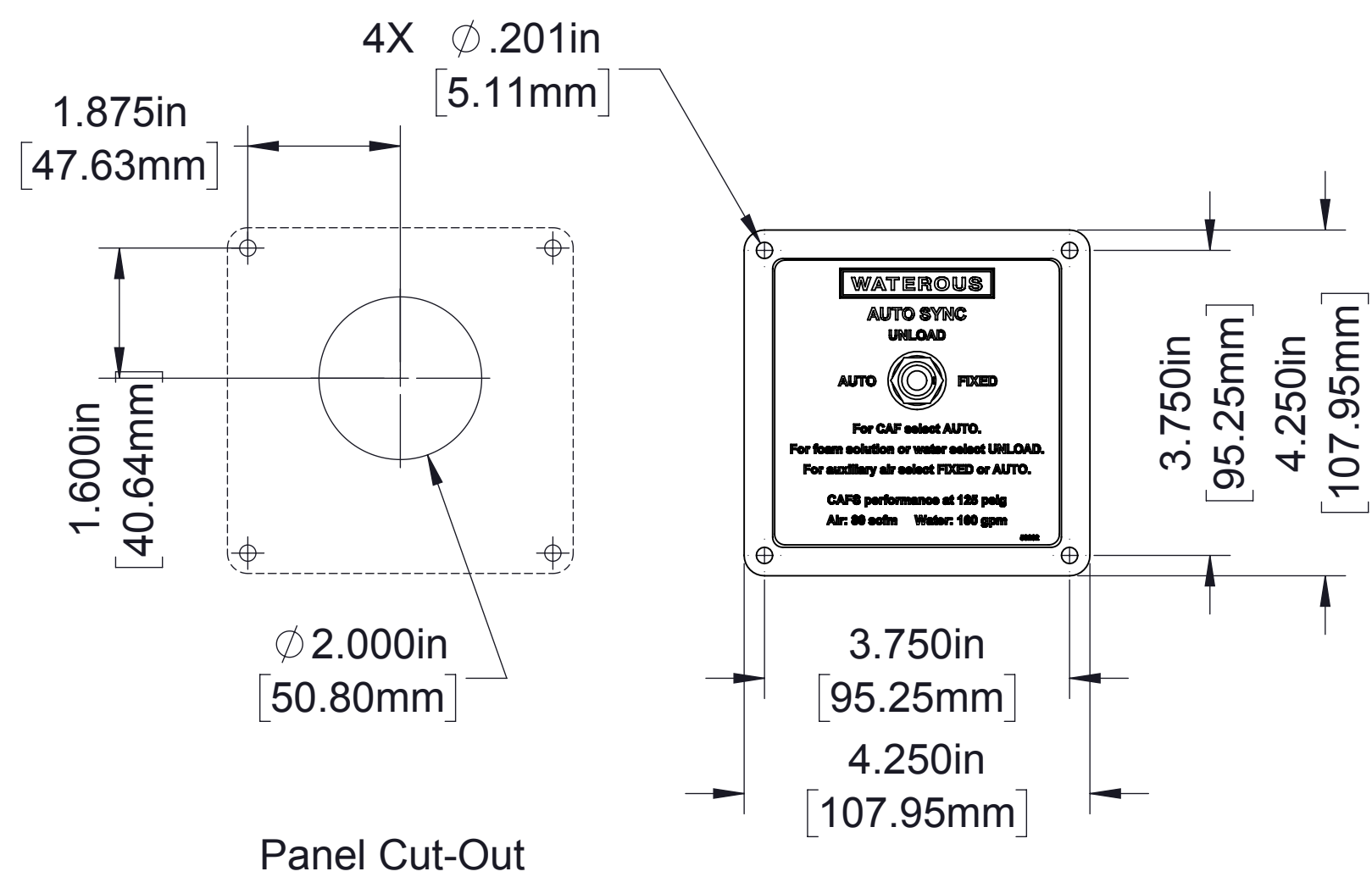
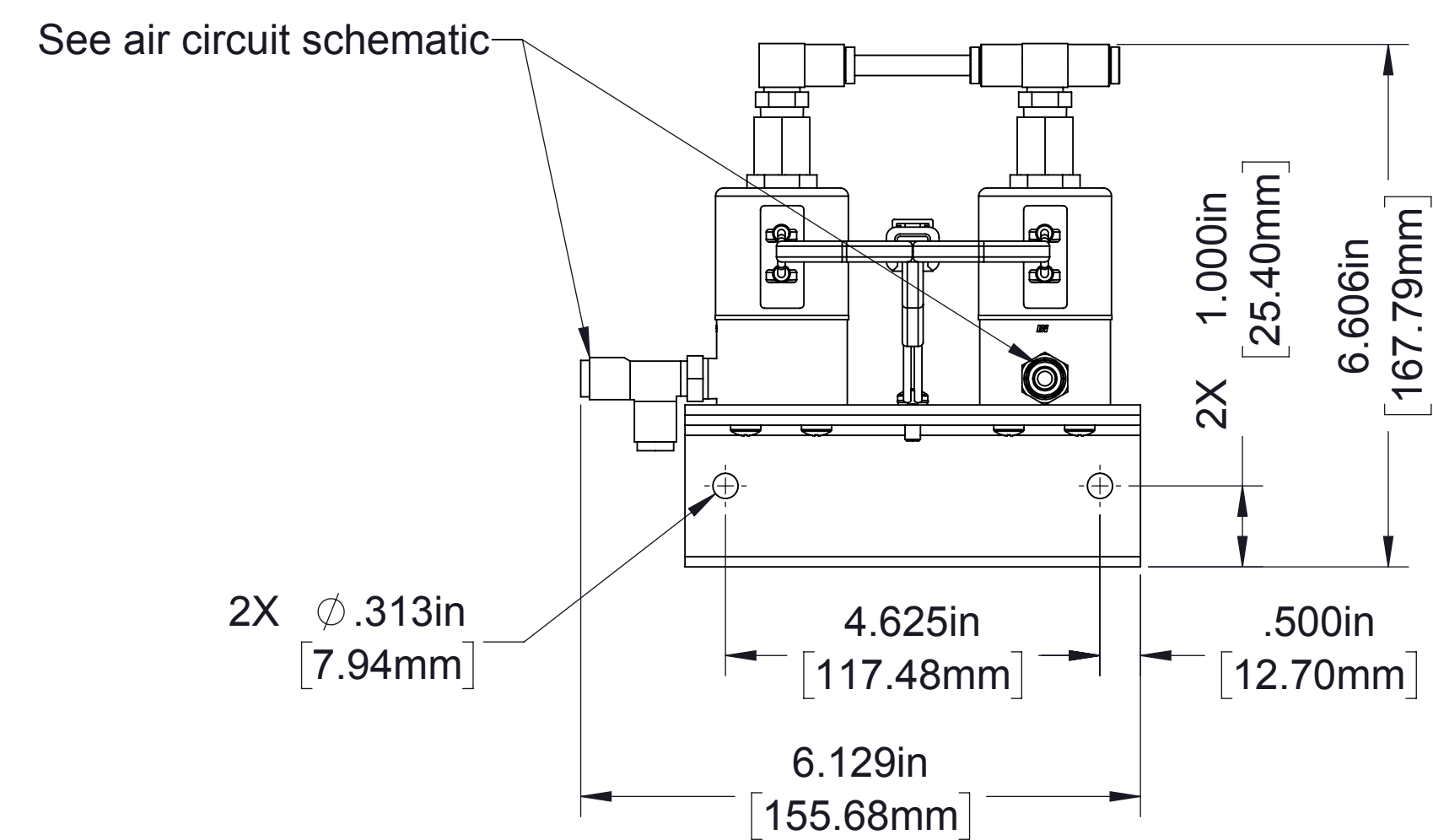


Air Filter

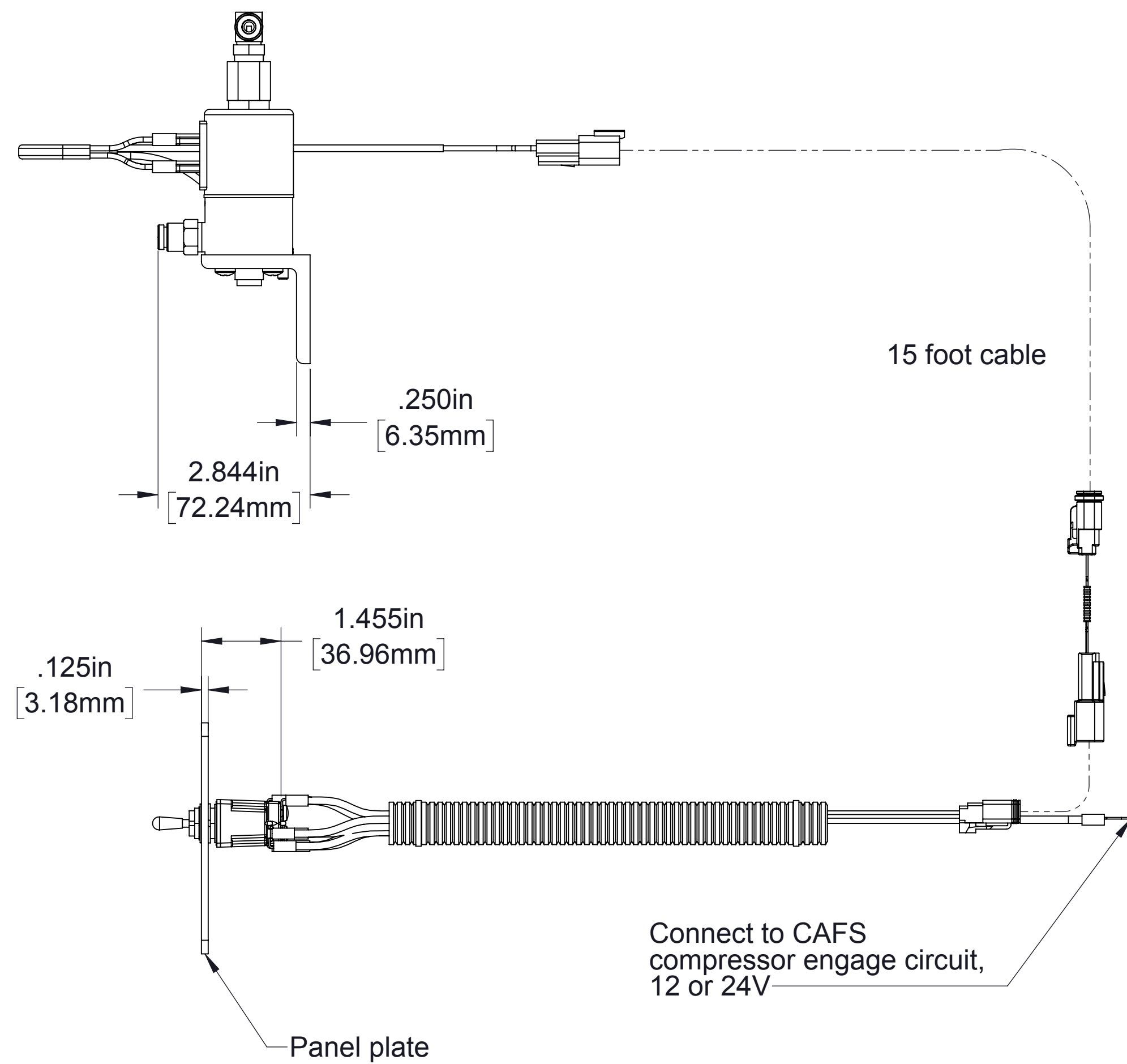


Separator Filter

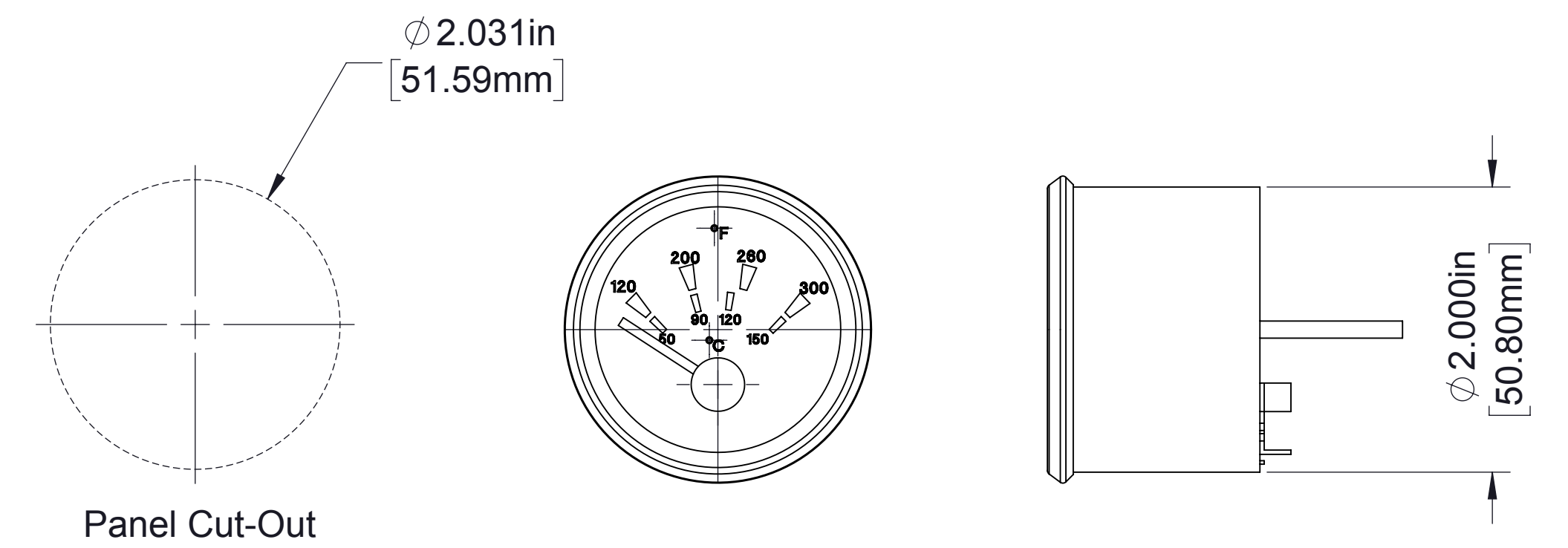




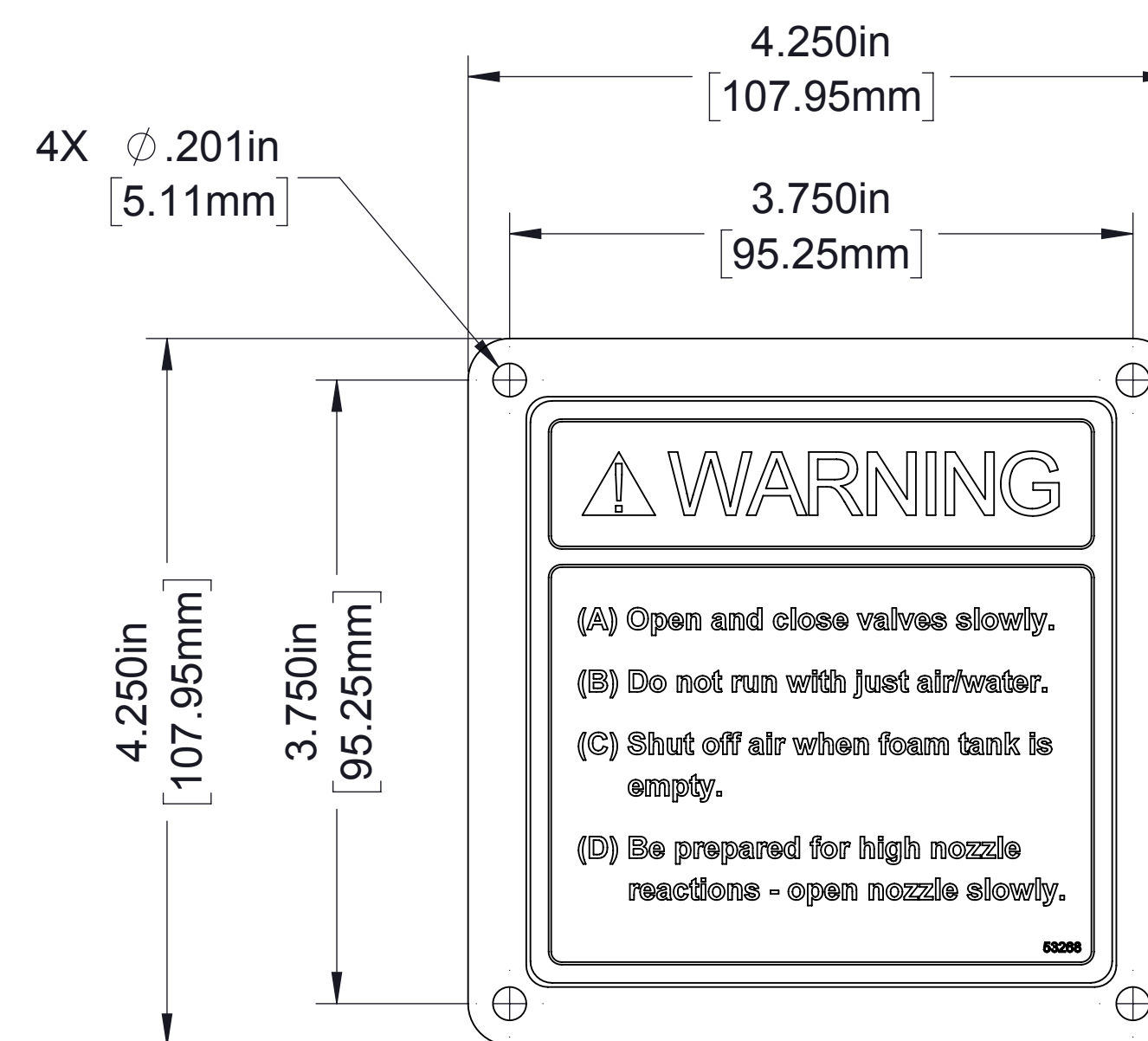
Auto-Sync



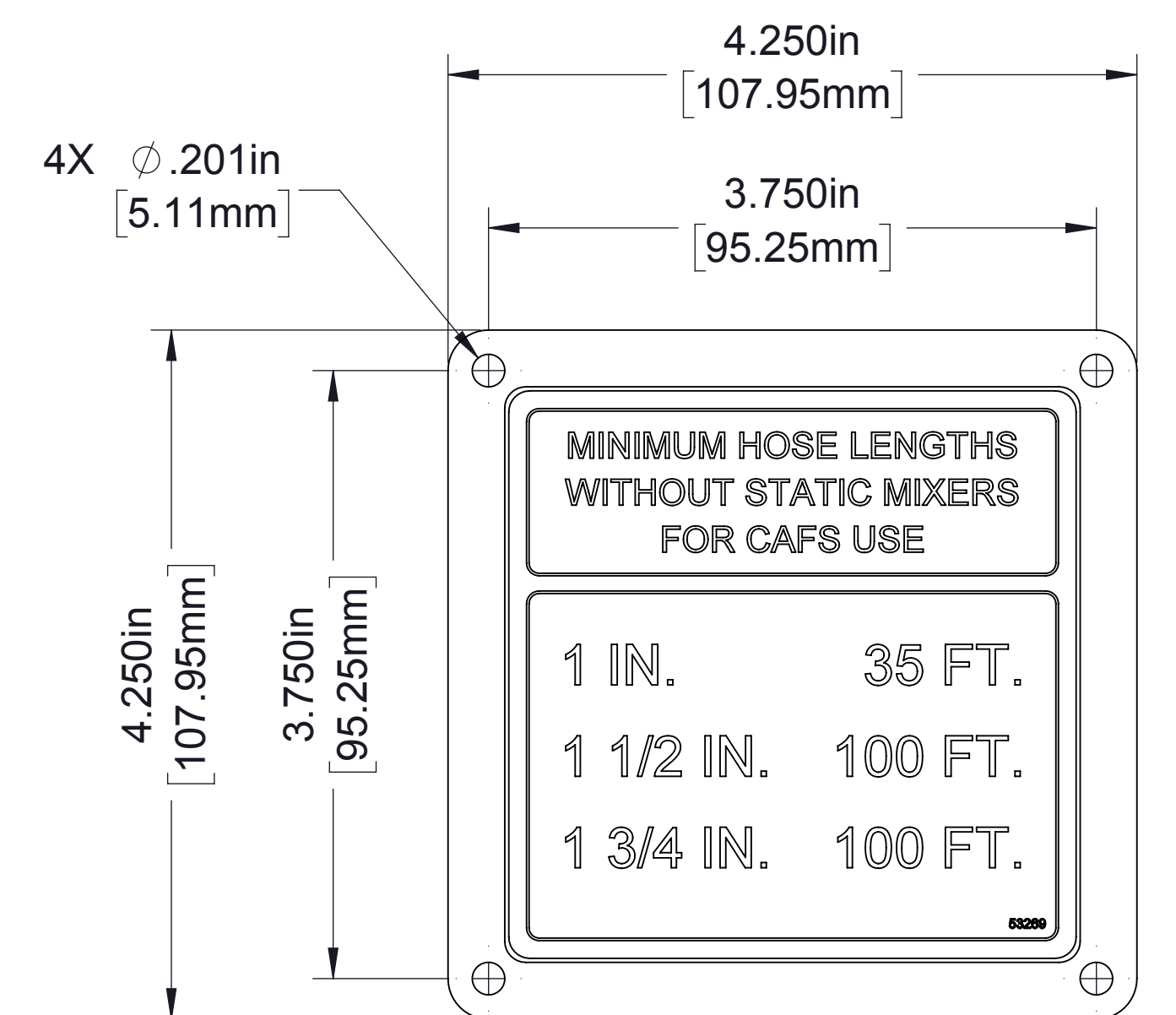
Connect to CAFS
compressor engage circuit,
12 or 24V



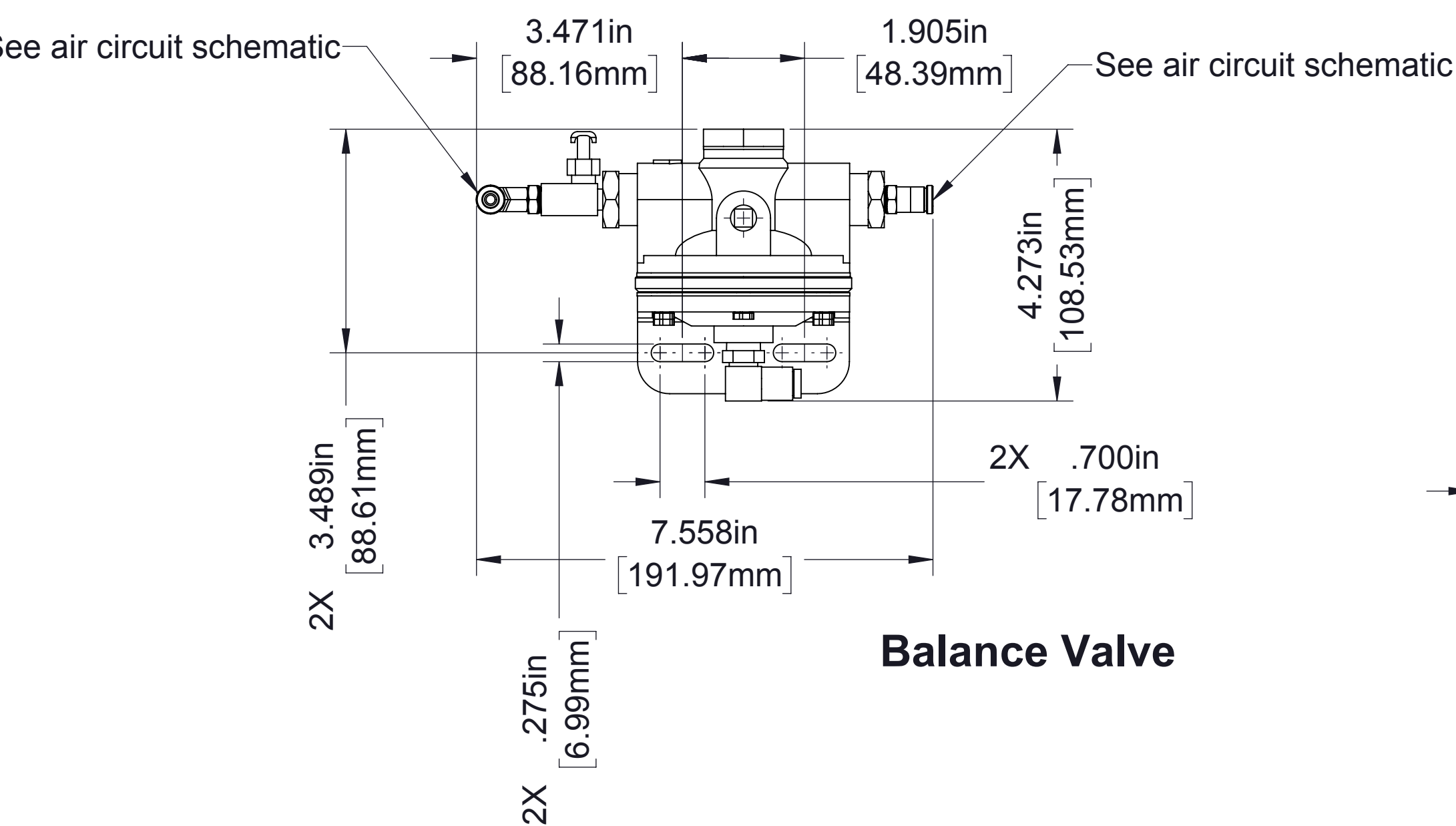
Oil Temperature Gauge
(Wiring to sump temperature sender not furnished by Waterous)



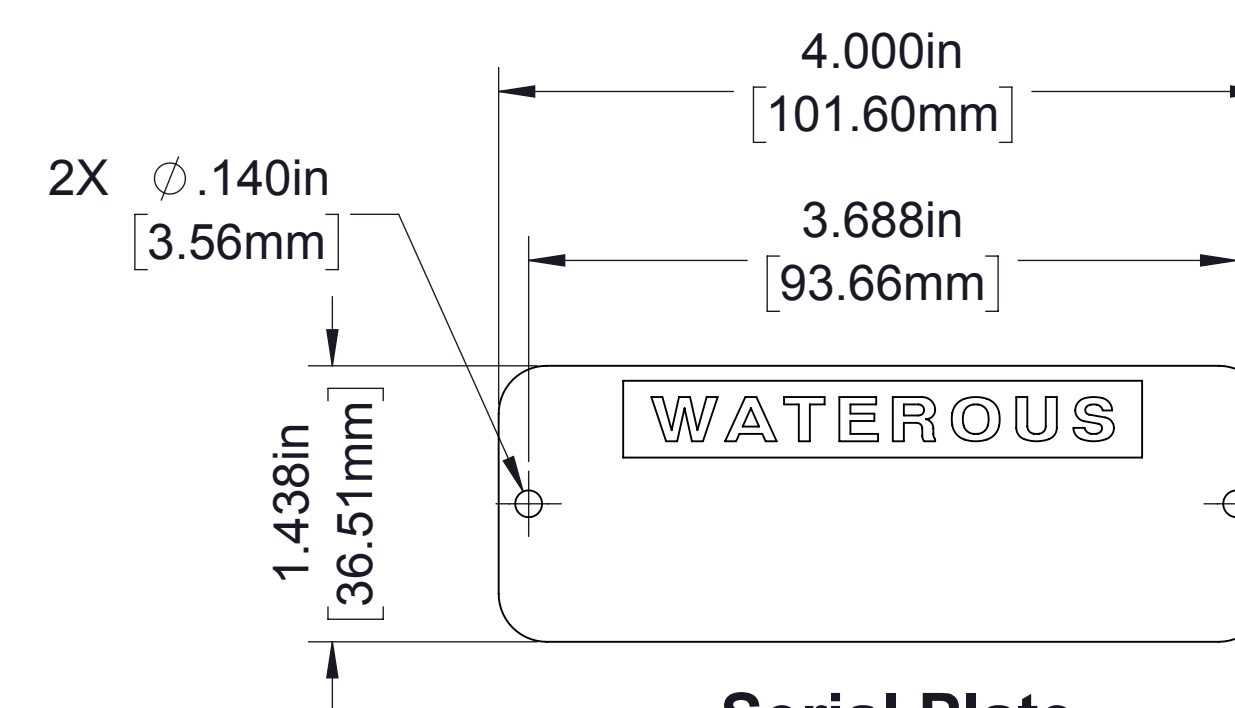
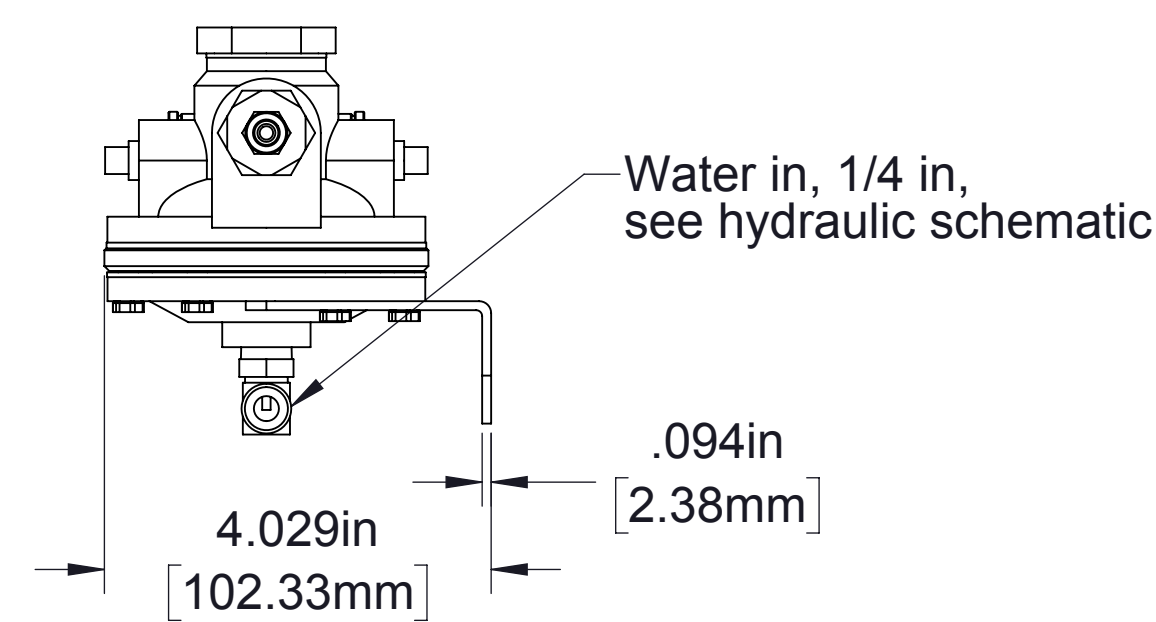
CAFS Warning



Hose Length

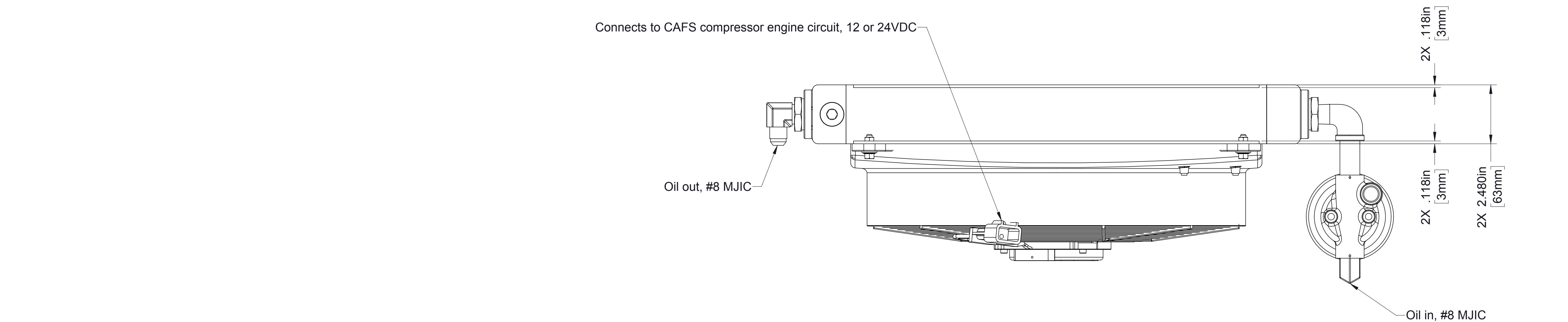


Balance Valve



Serial Plate

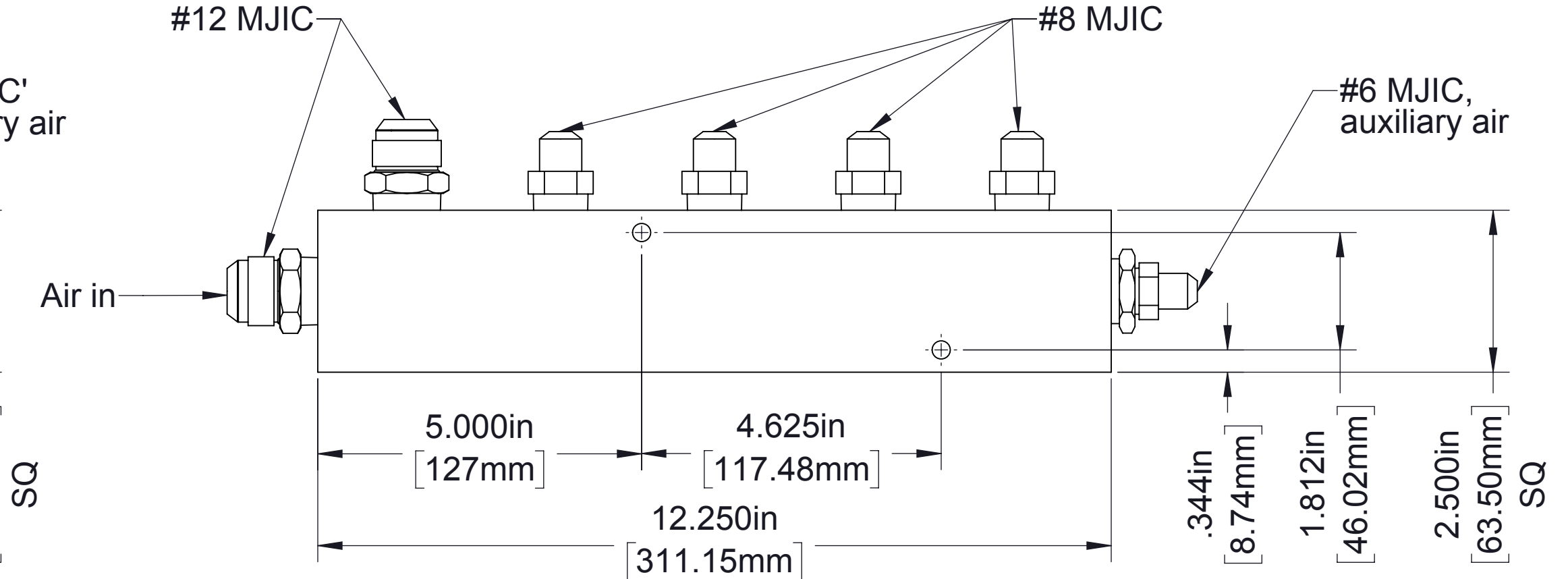
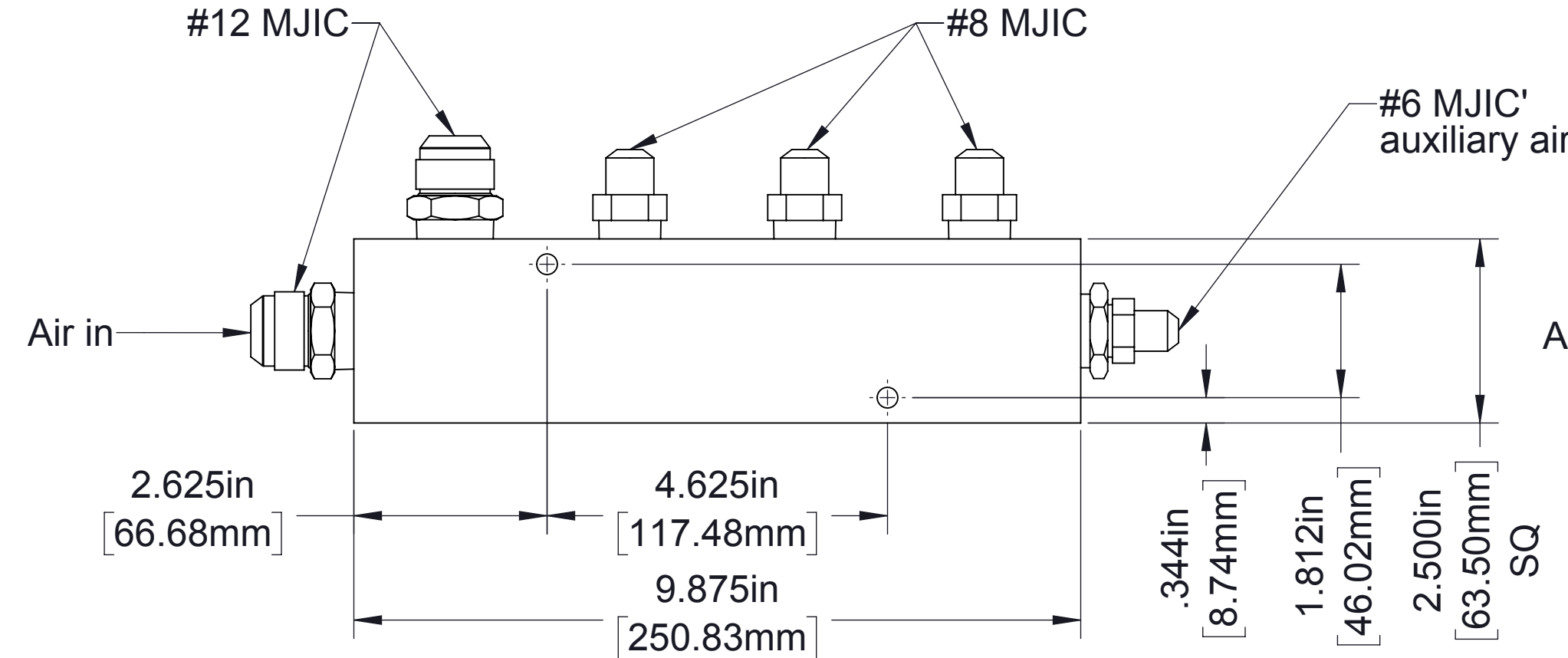
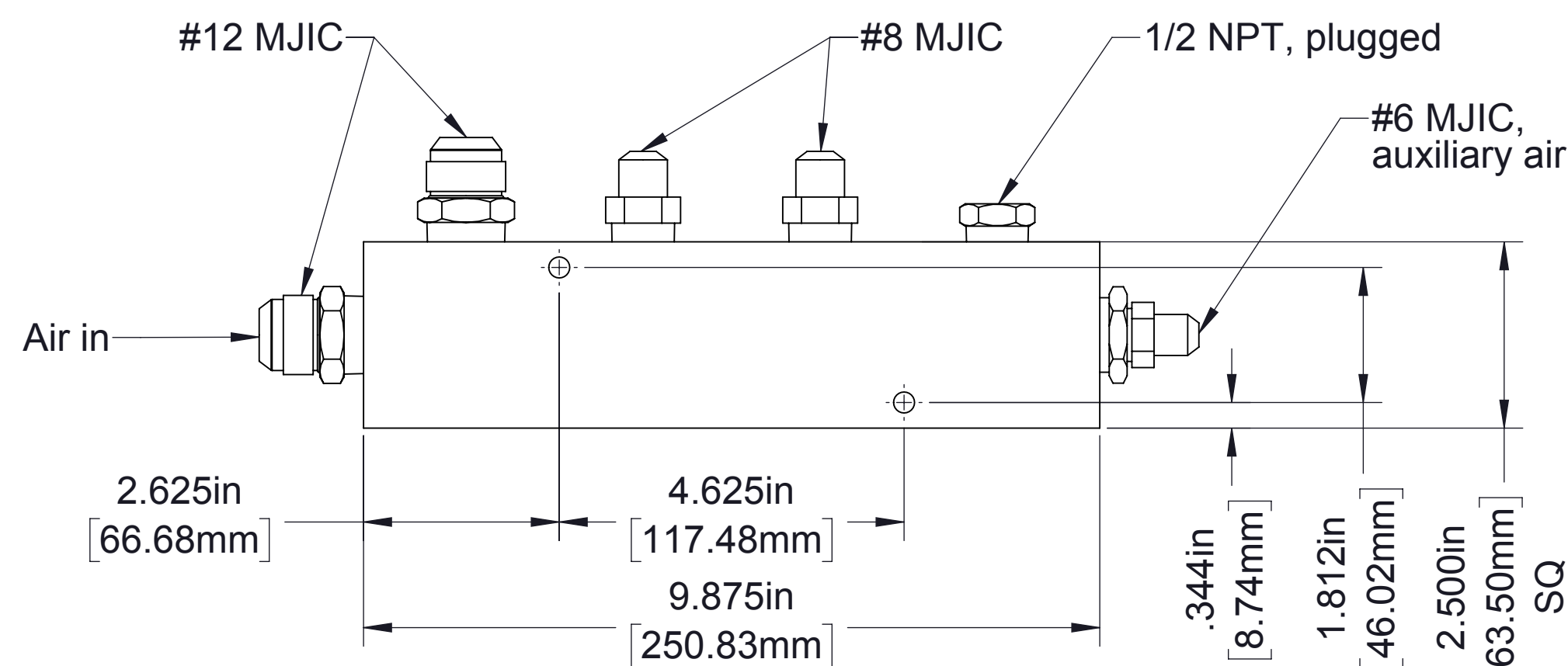
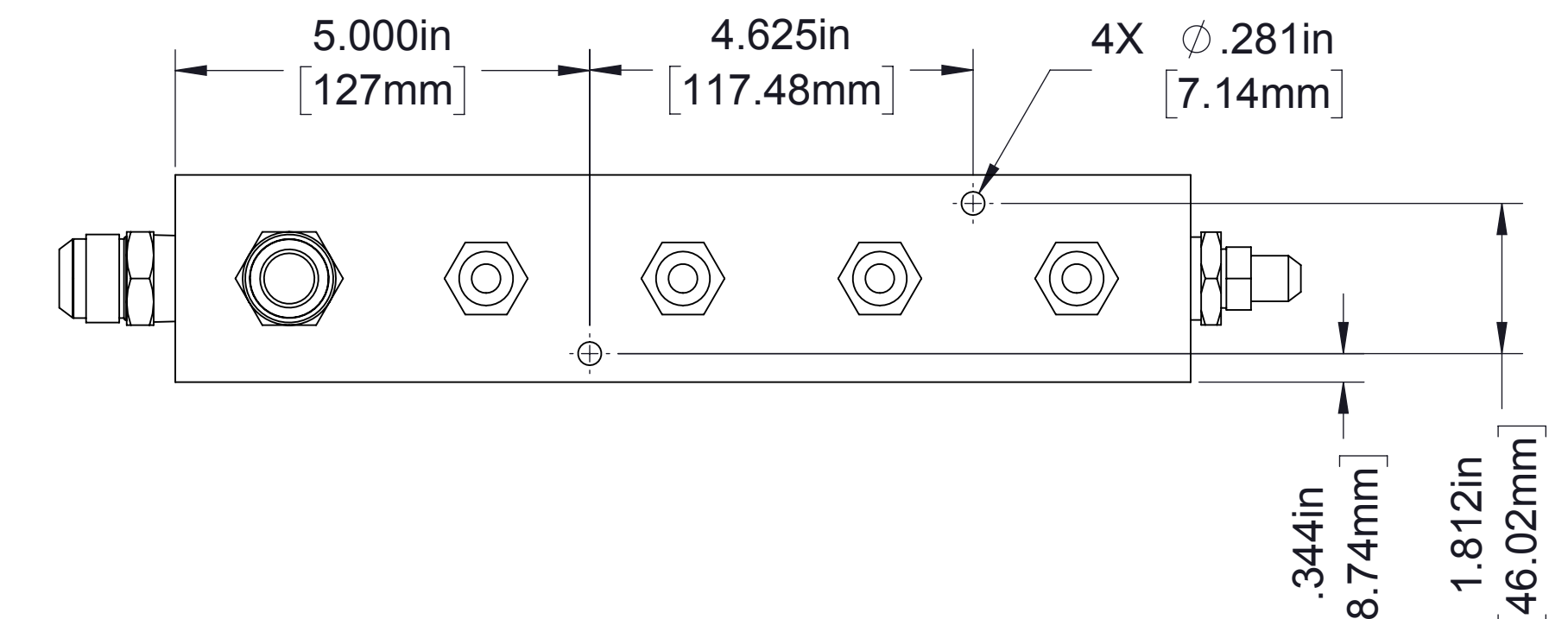
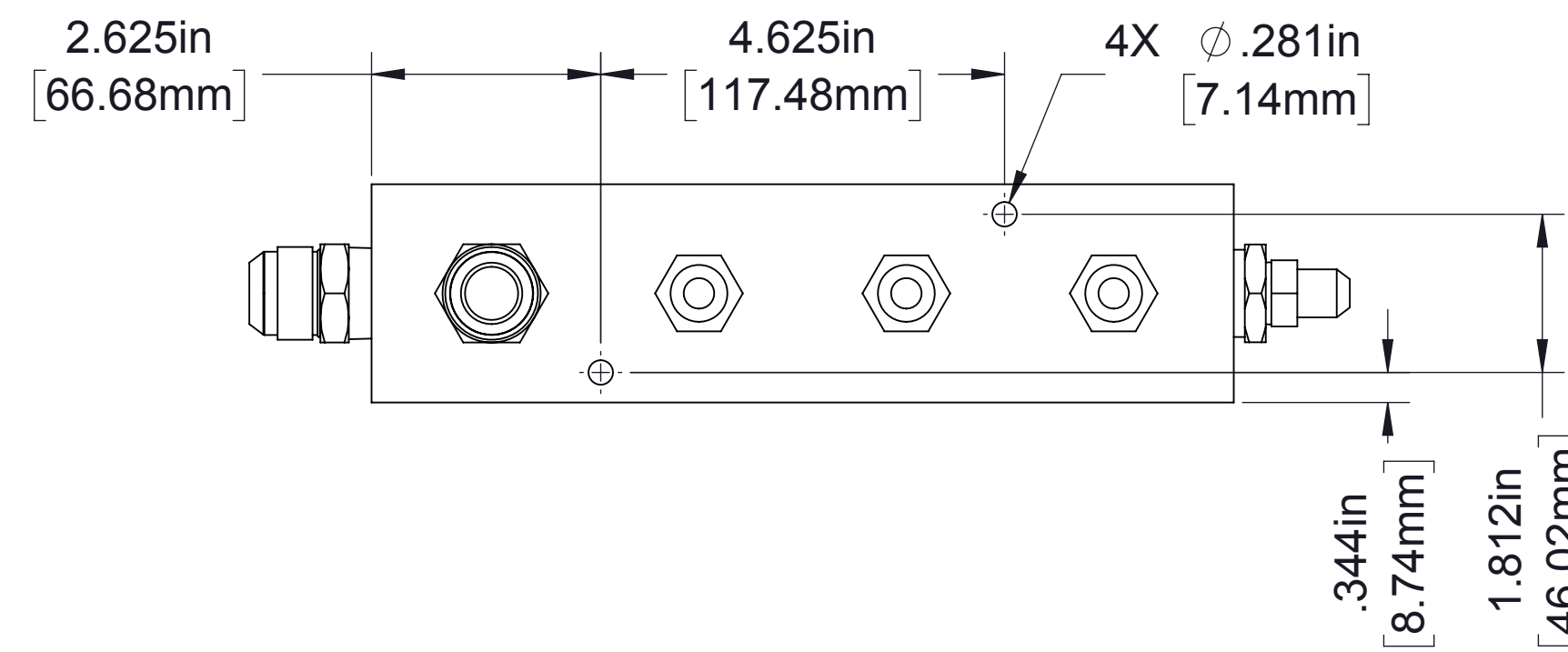
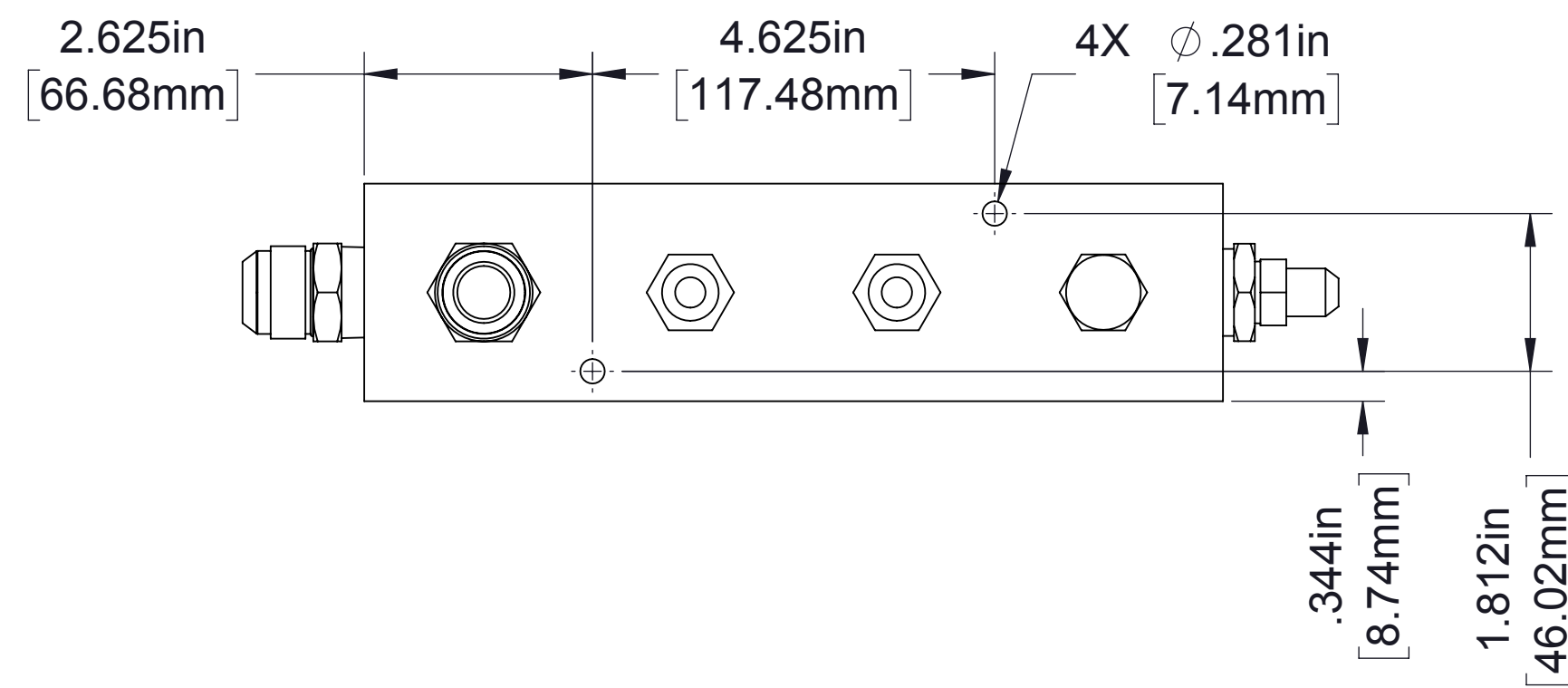
Panel Plates



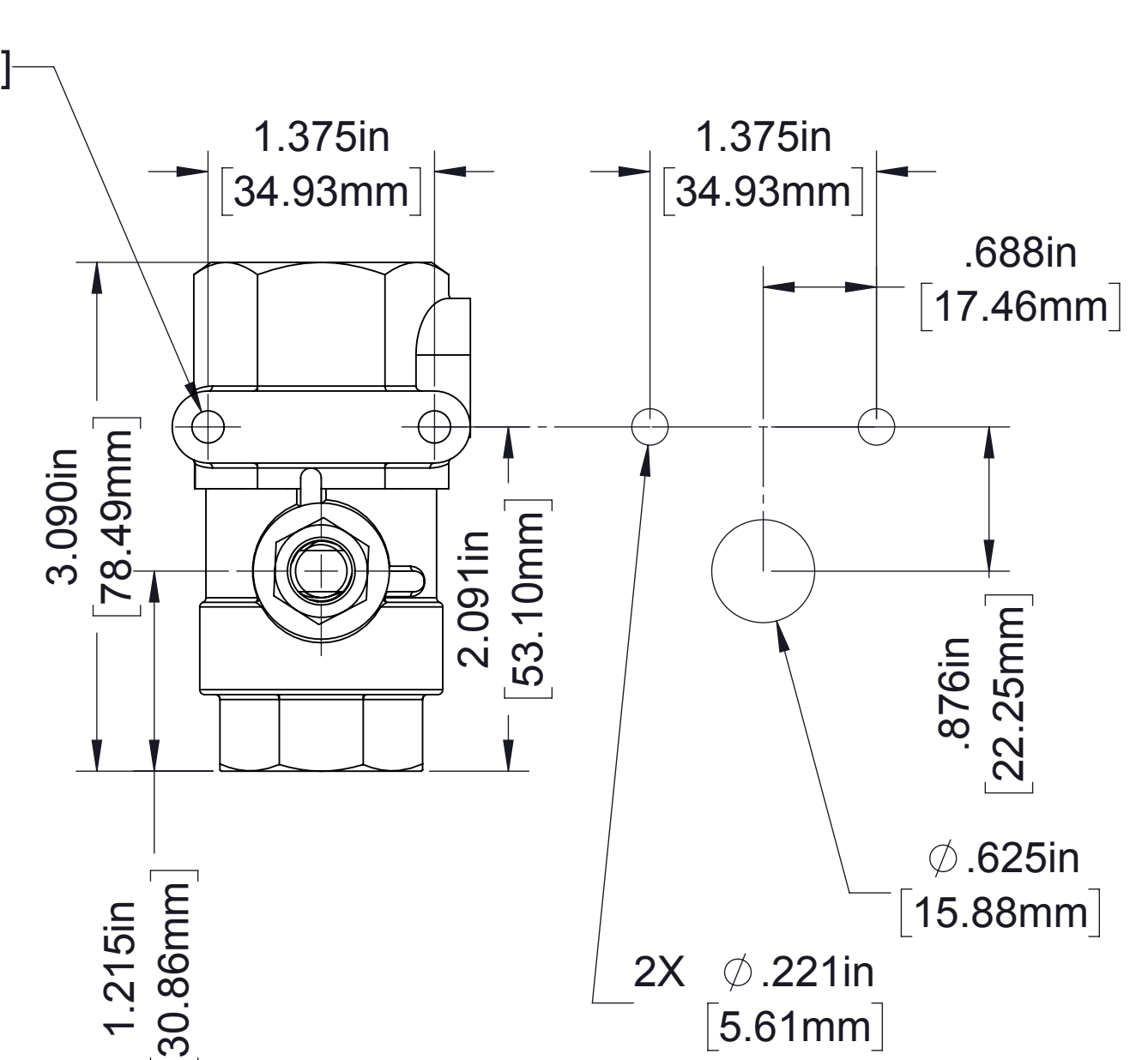
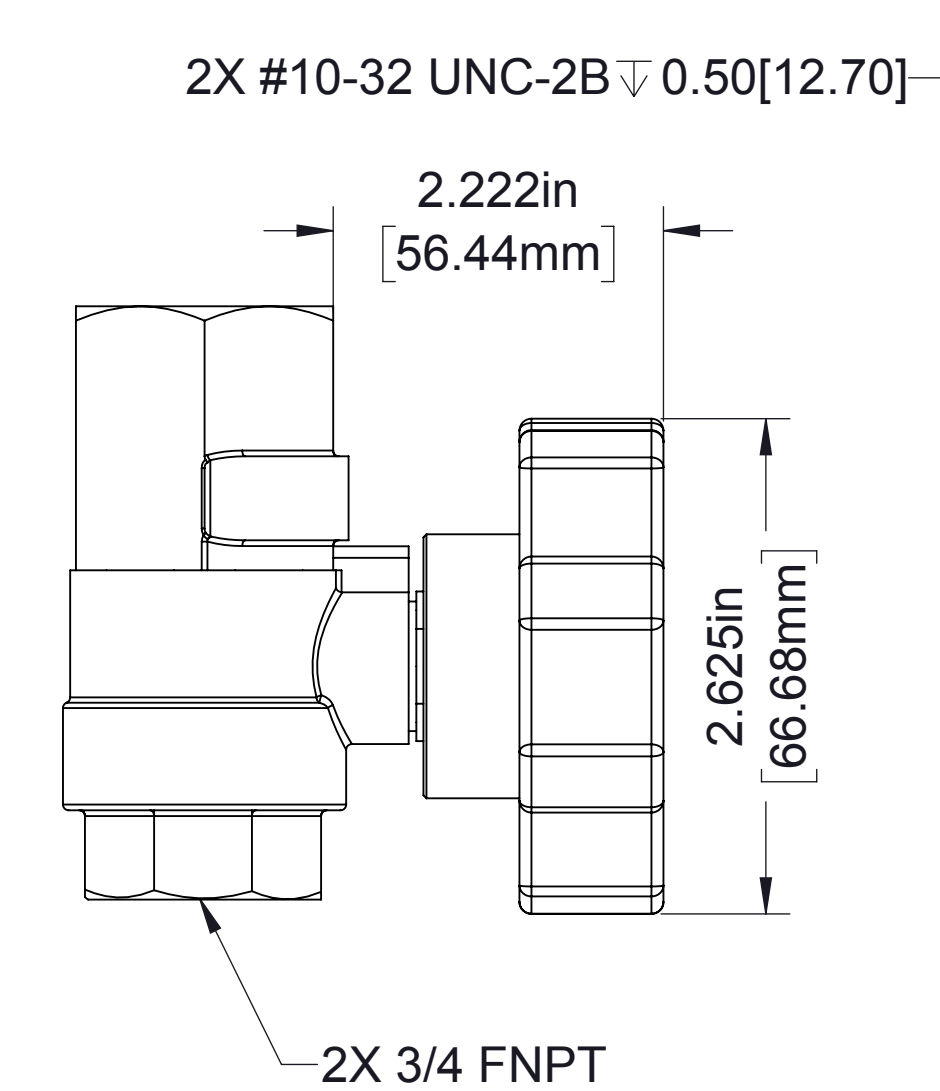
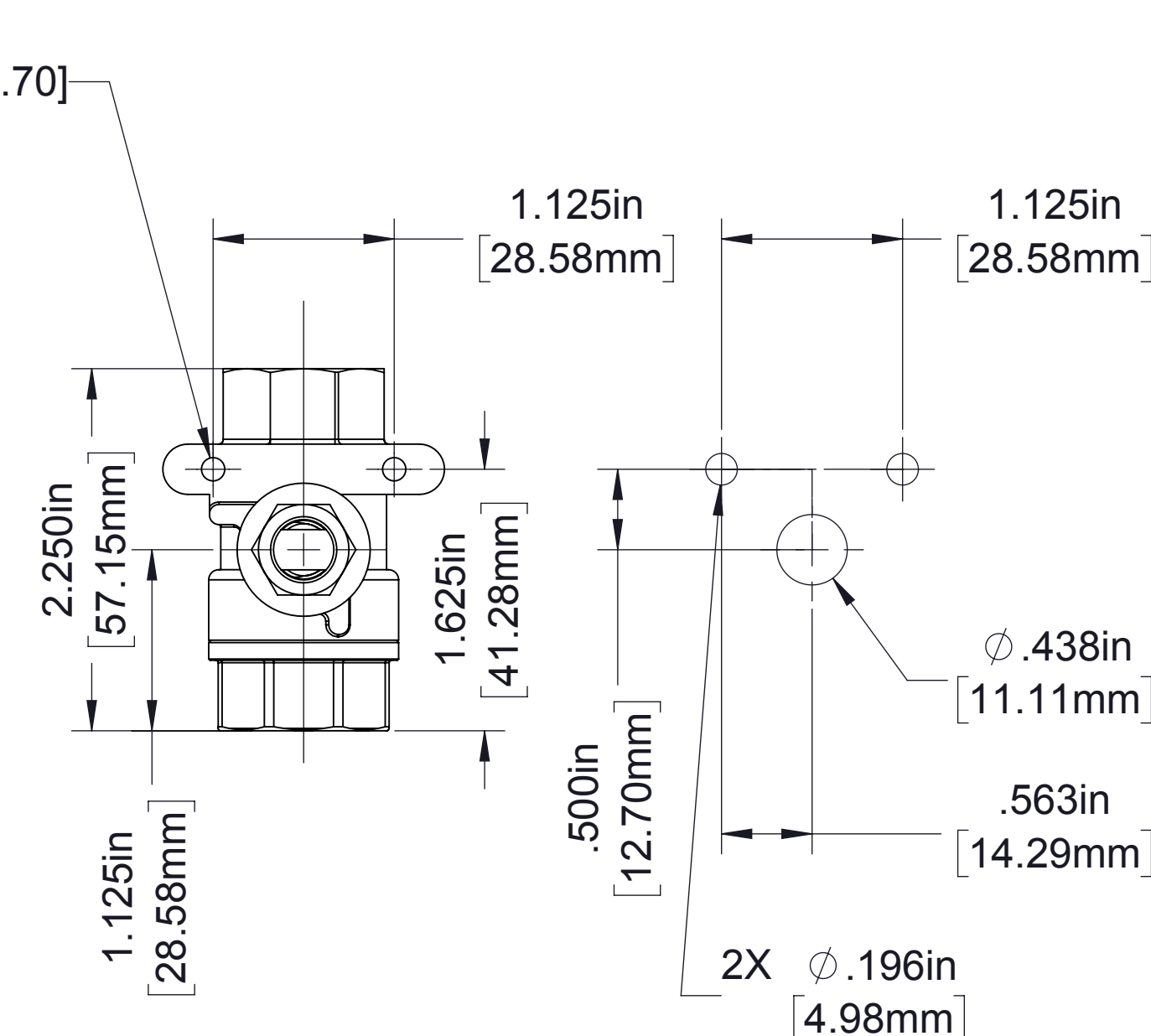
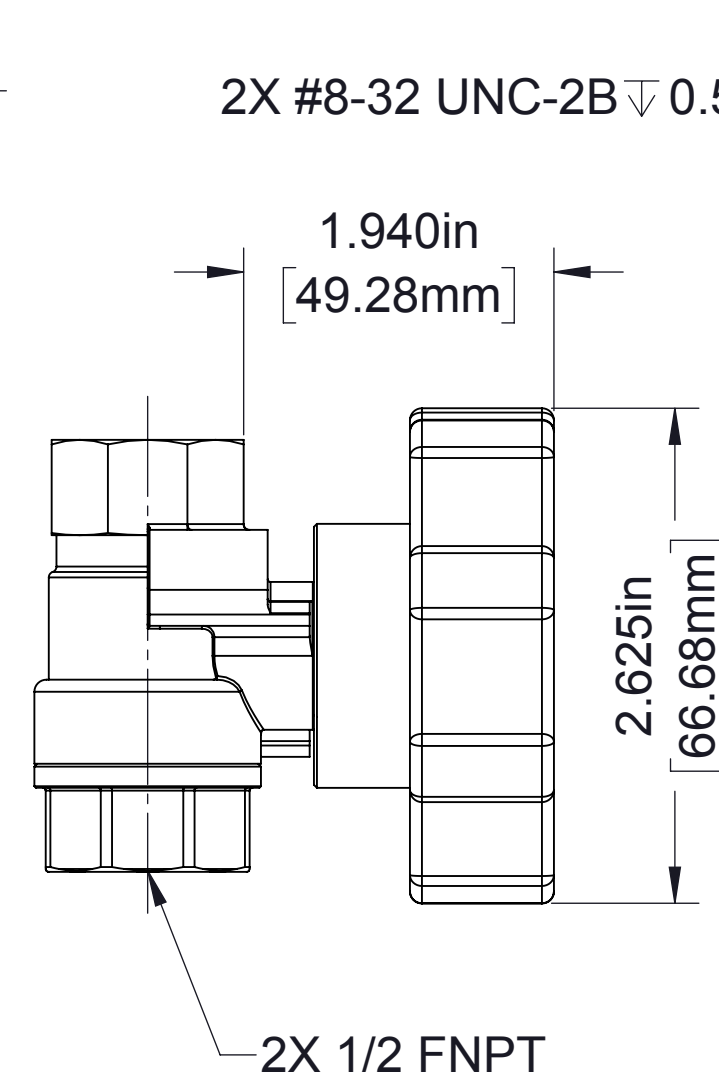
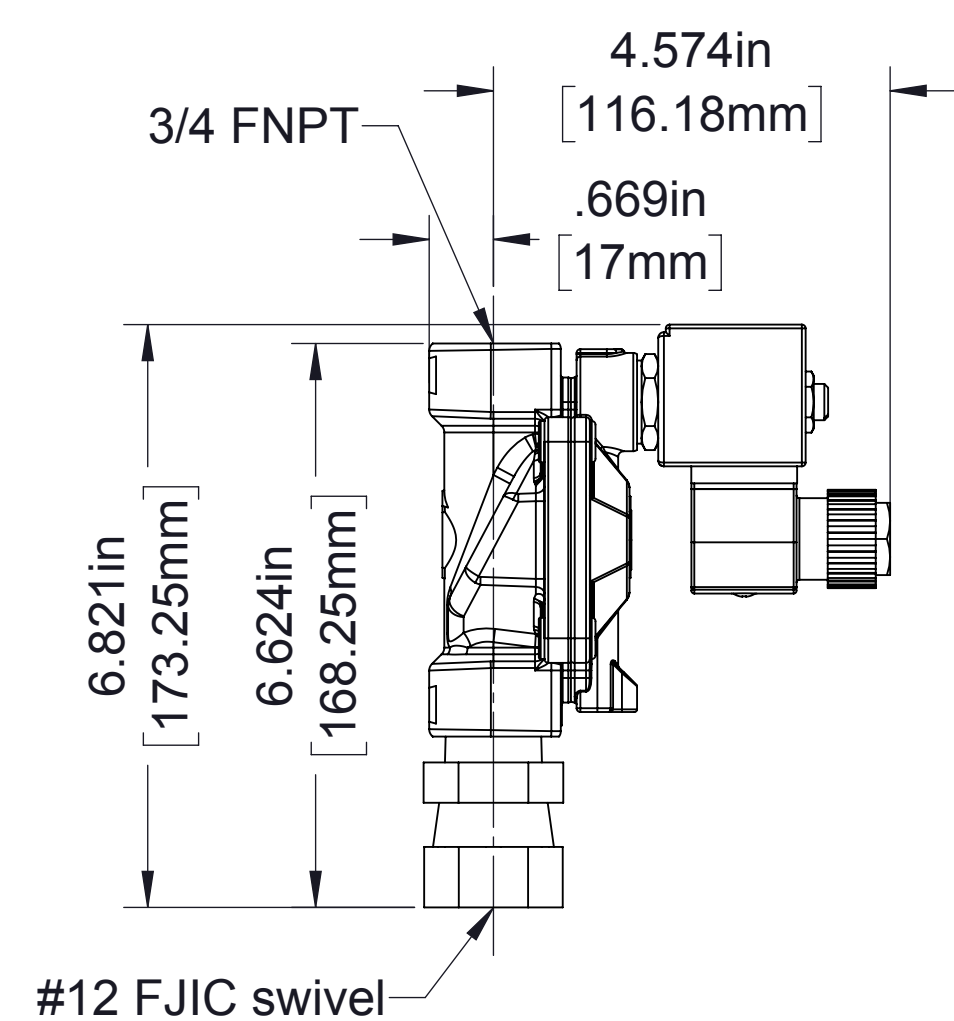
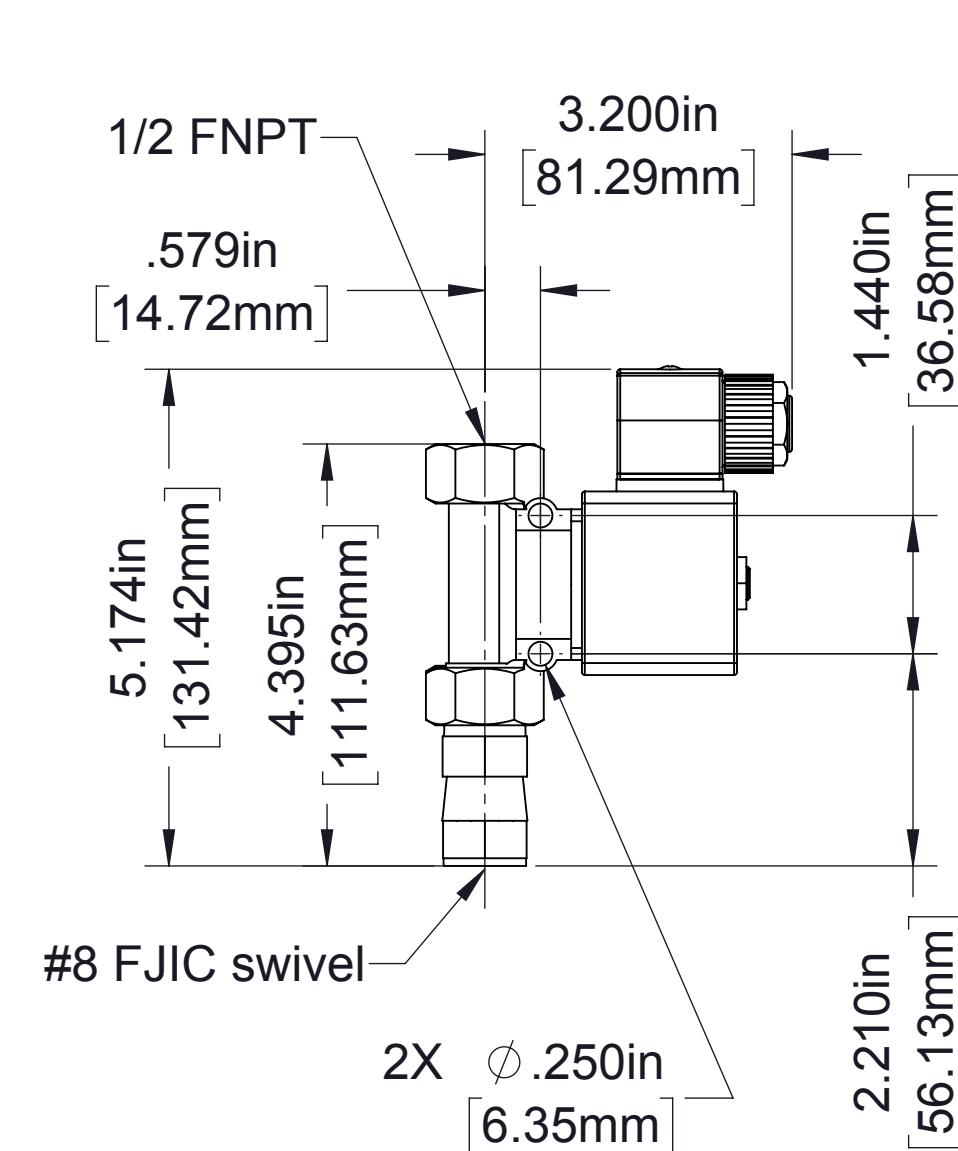
Viewed from back

**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)



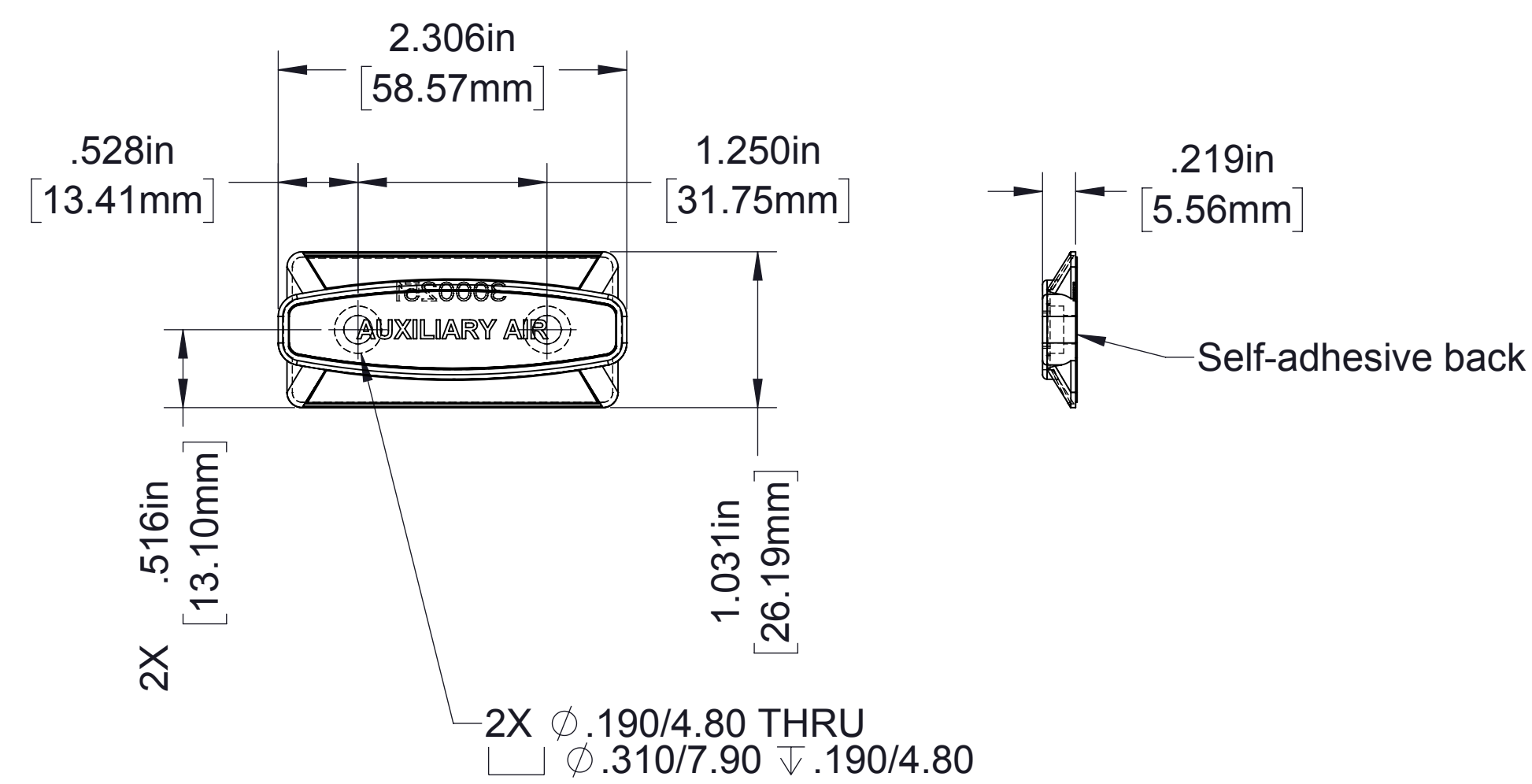
Optional Air Distribution Manifolds



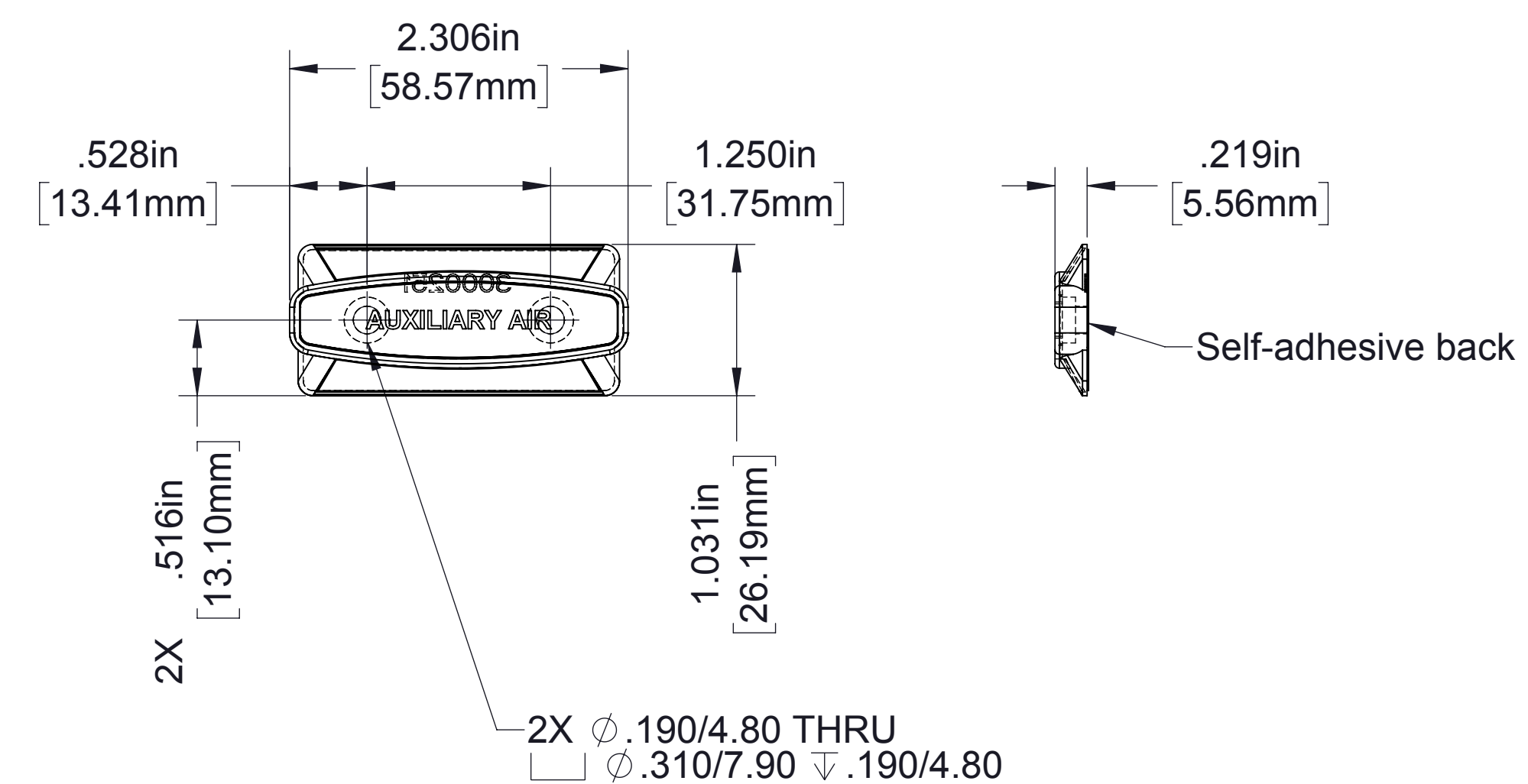
Electric Valves

Manual Valves

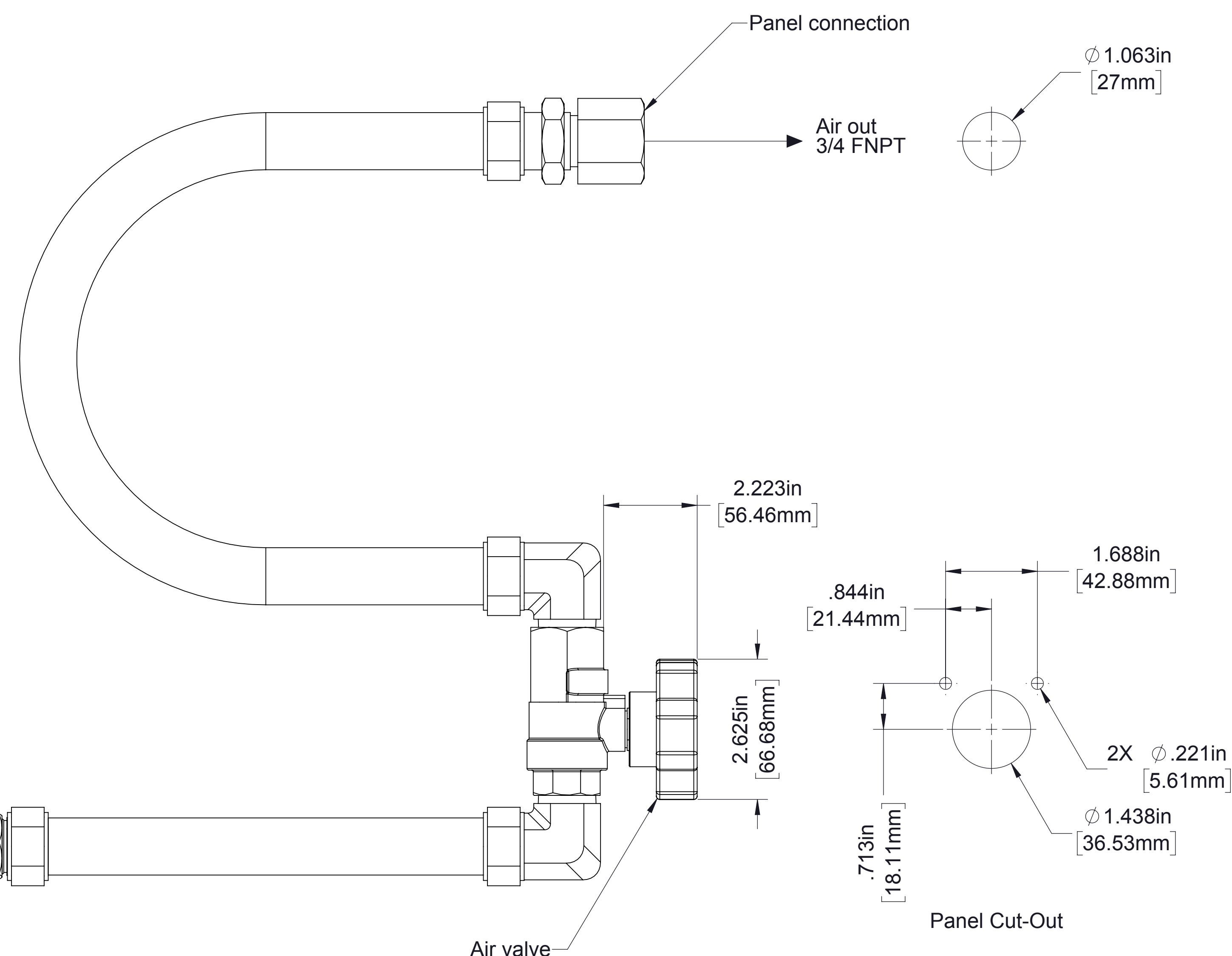
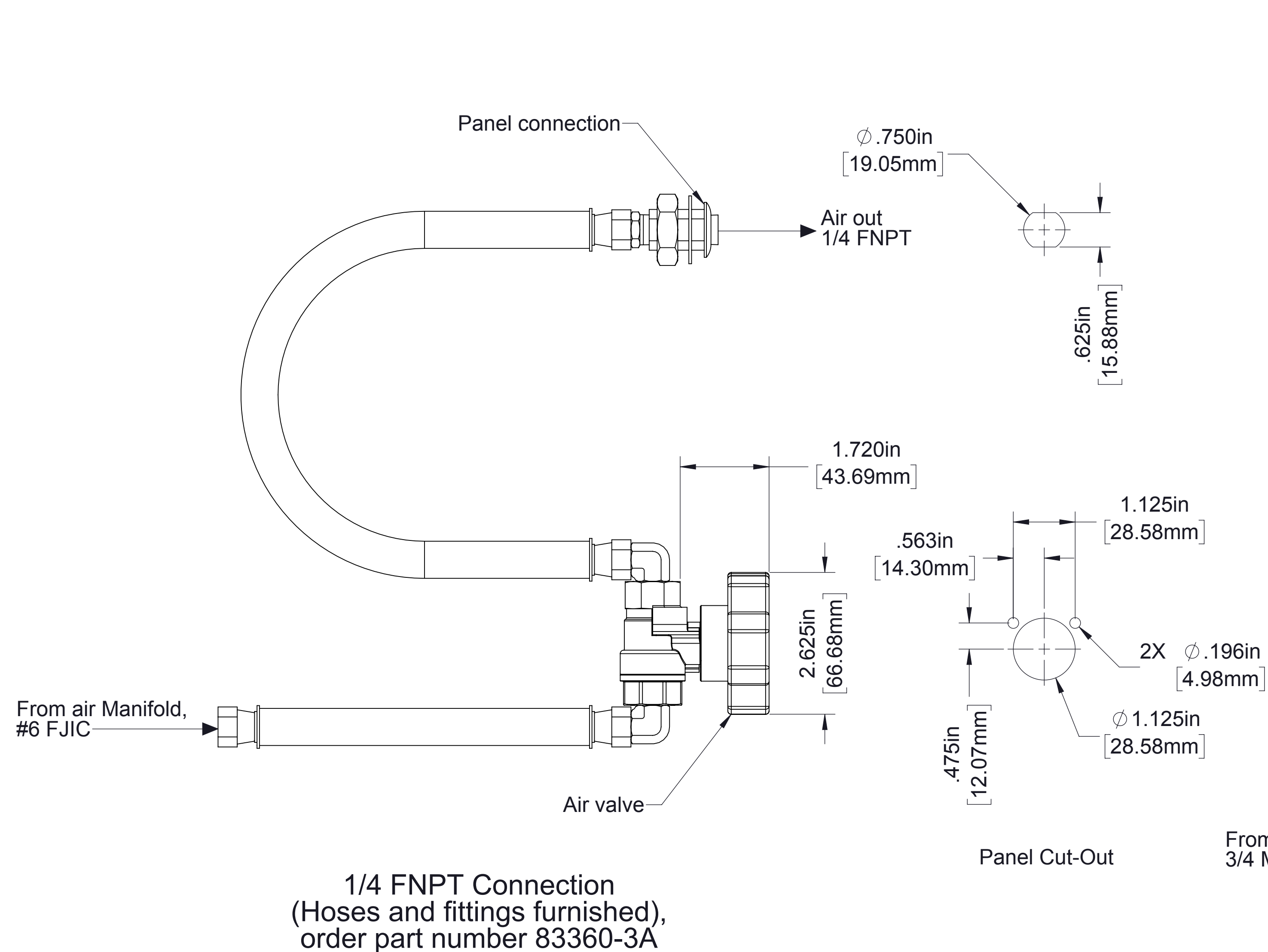
Optional Air Valves



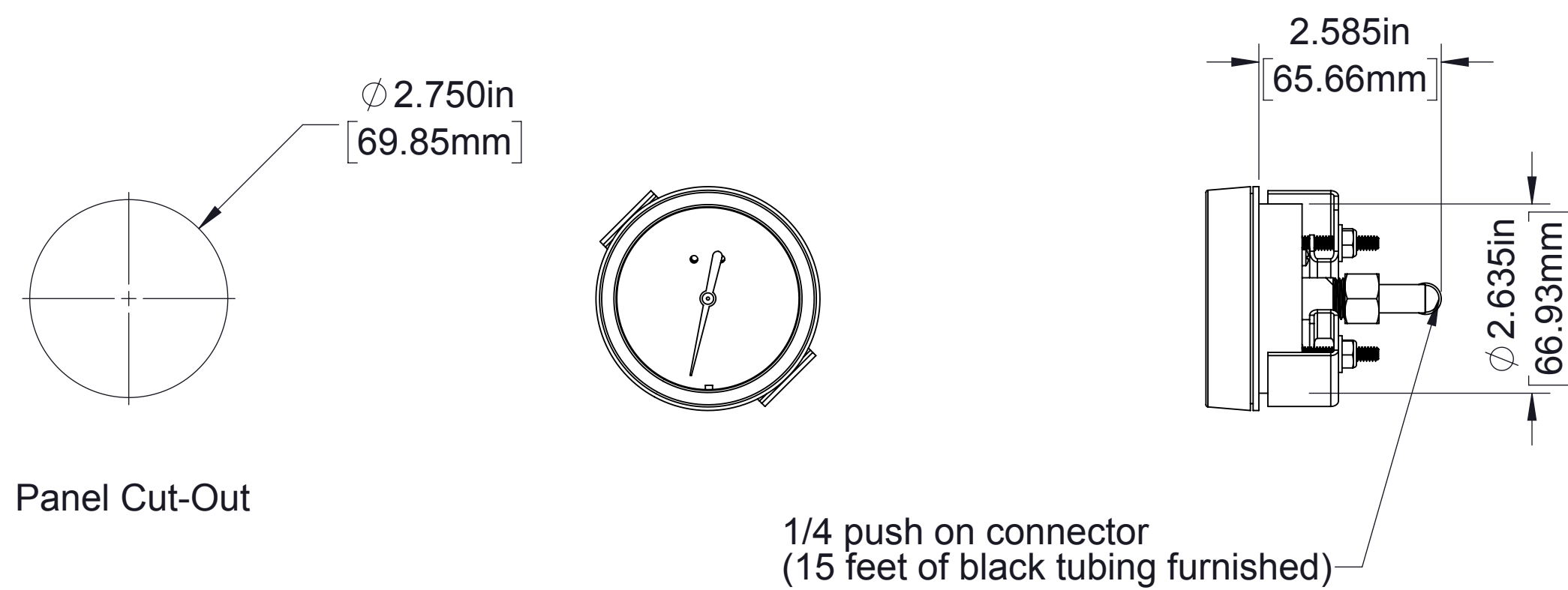
Label



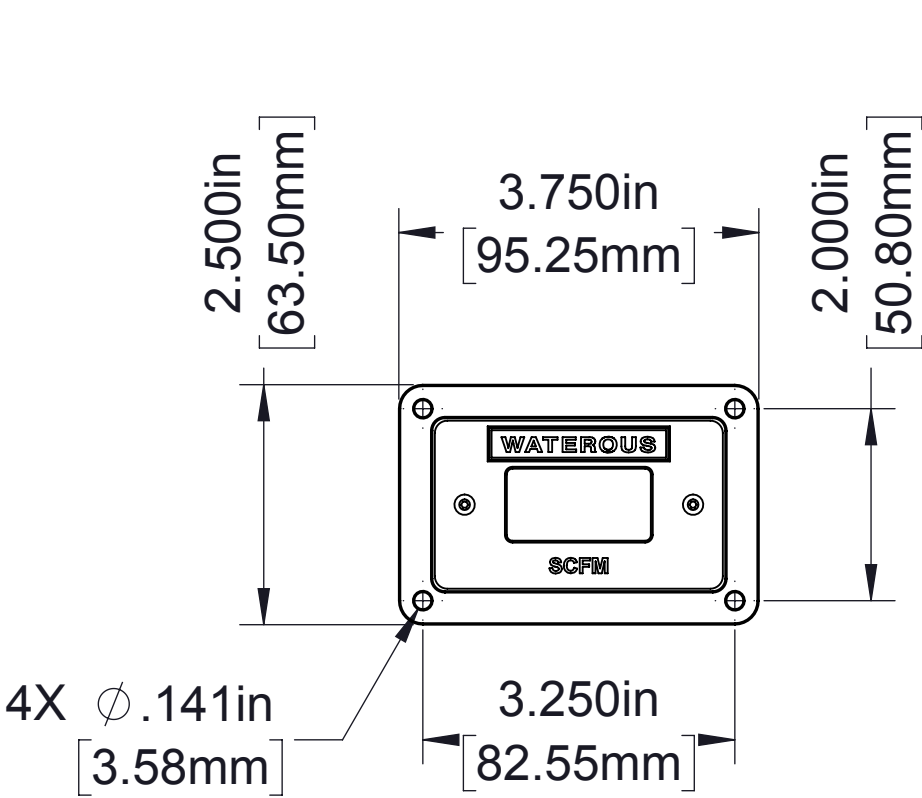
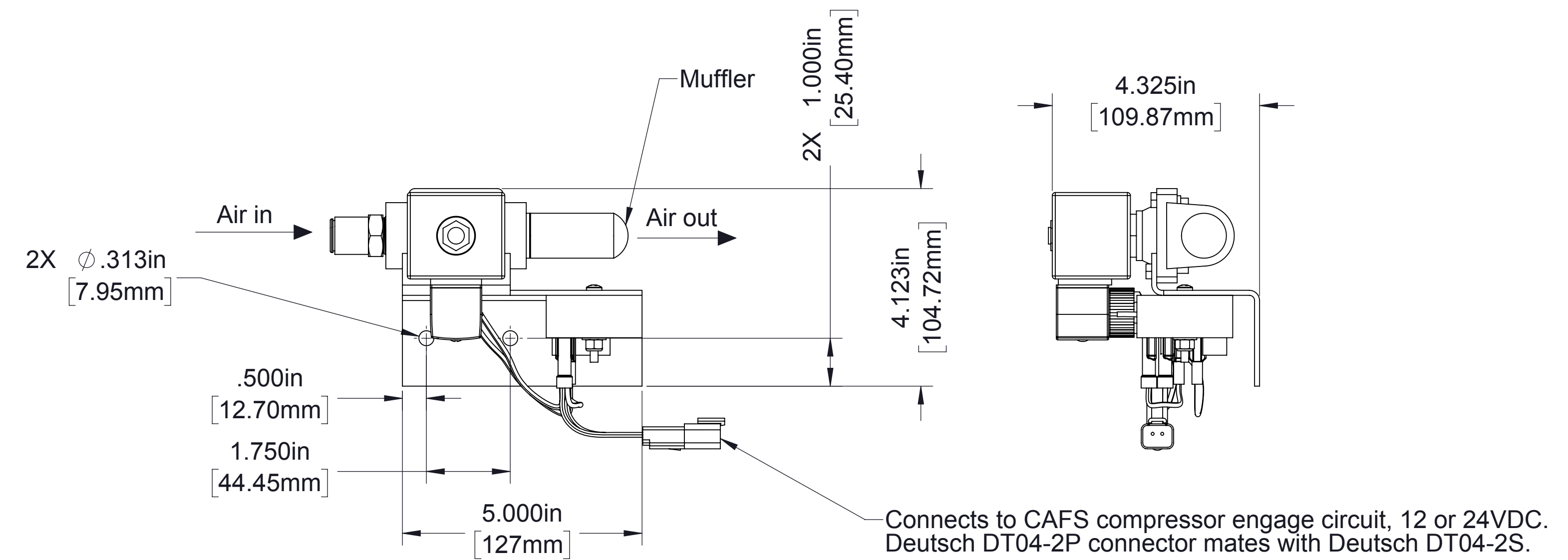
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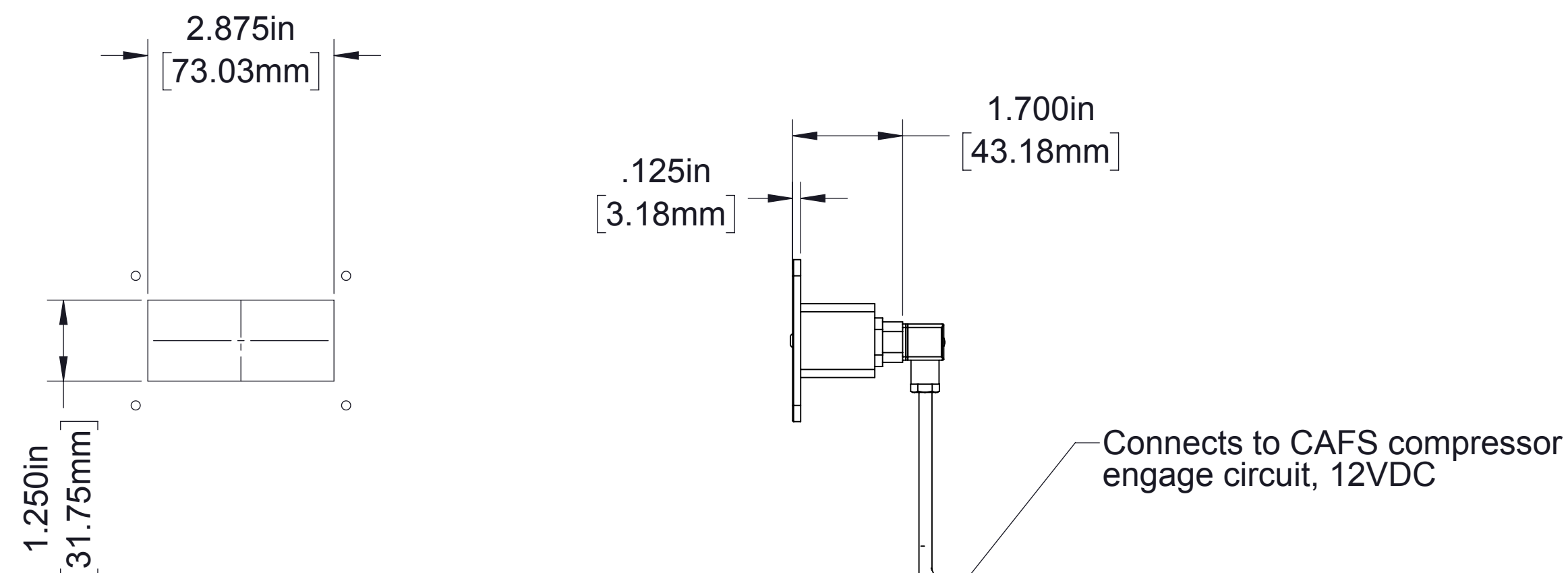
Optional Auxiliary Air Connection



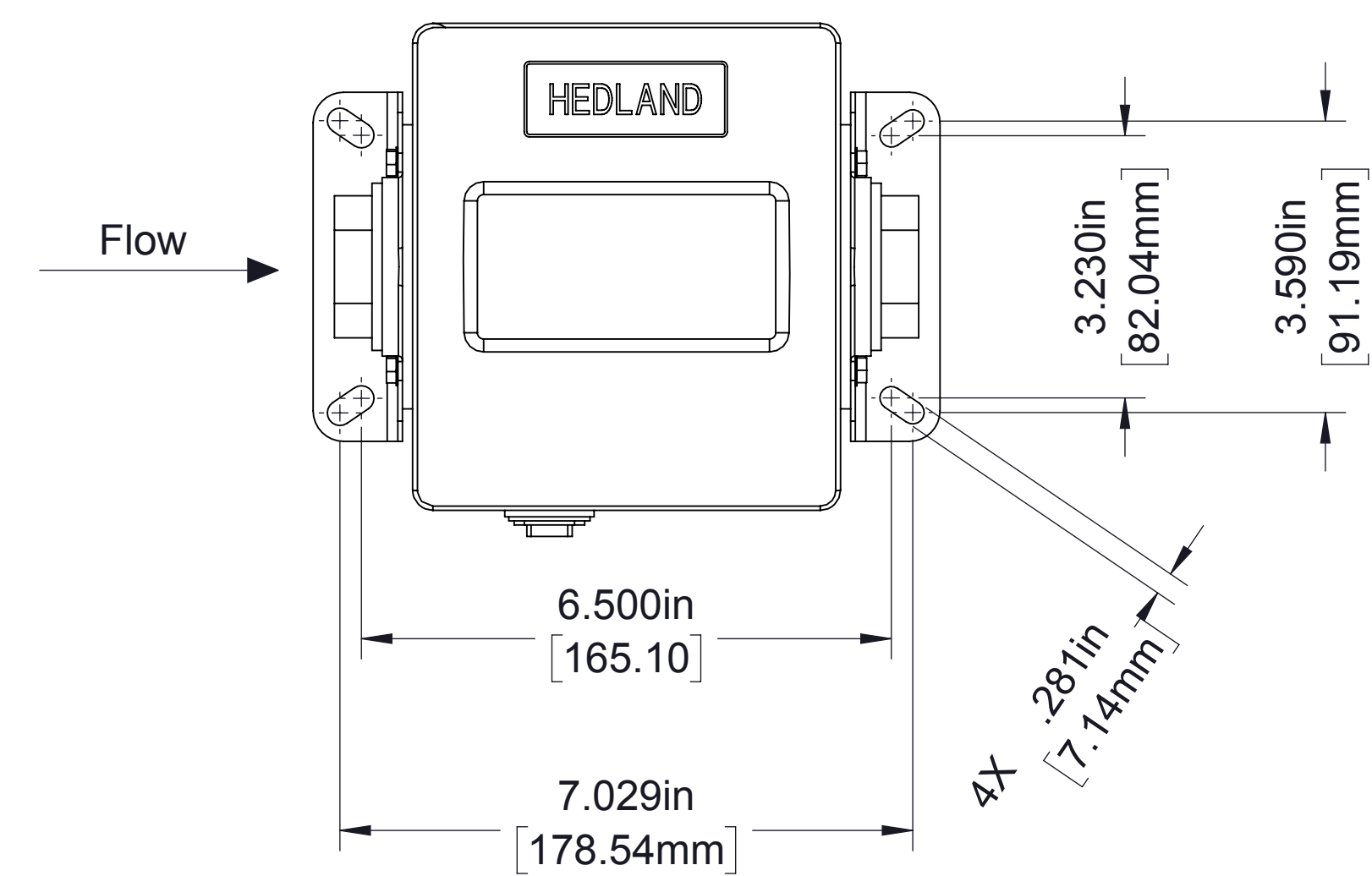
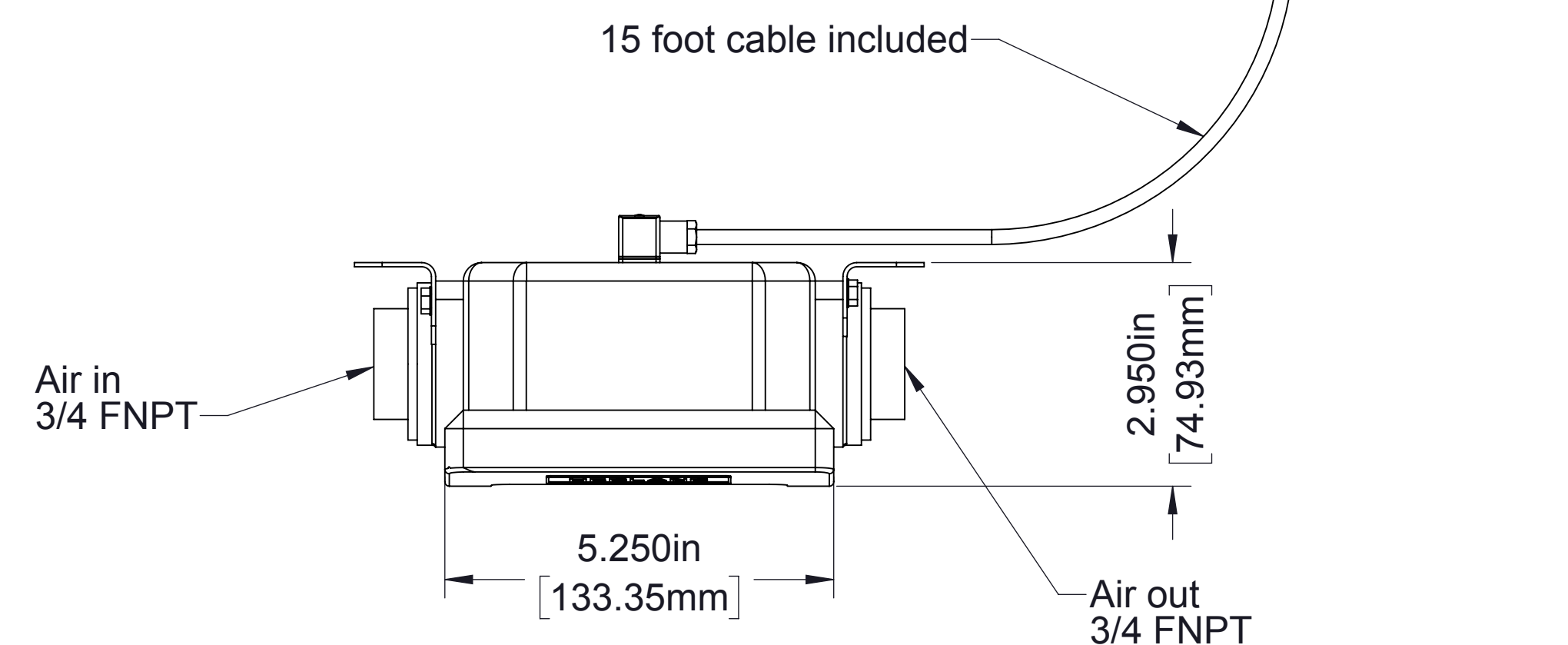
Optional Air Pressure Gauge
Single Mpa scale order part number 83417-1A
Dual PSI/Kpa scale order part number 83417-1B



Air Flow Digital Display

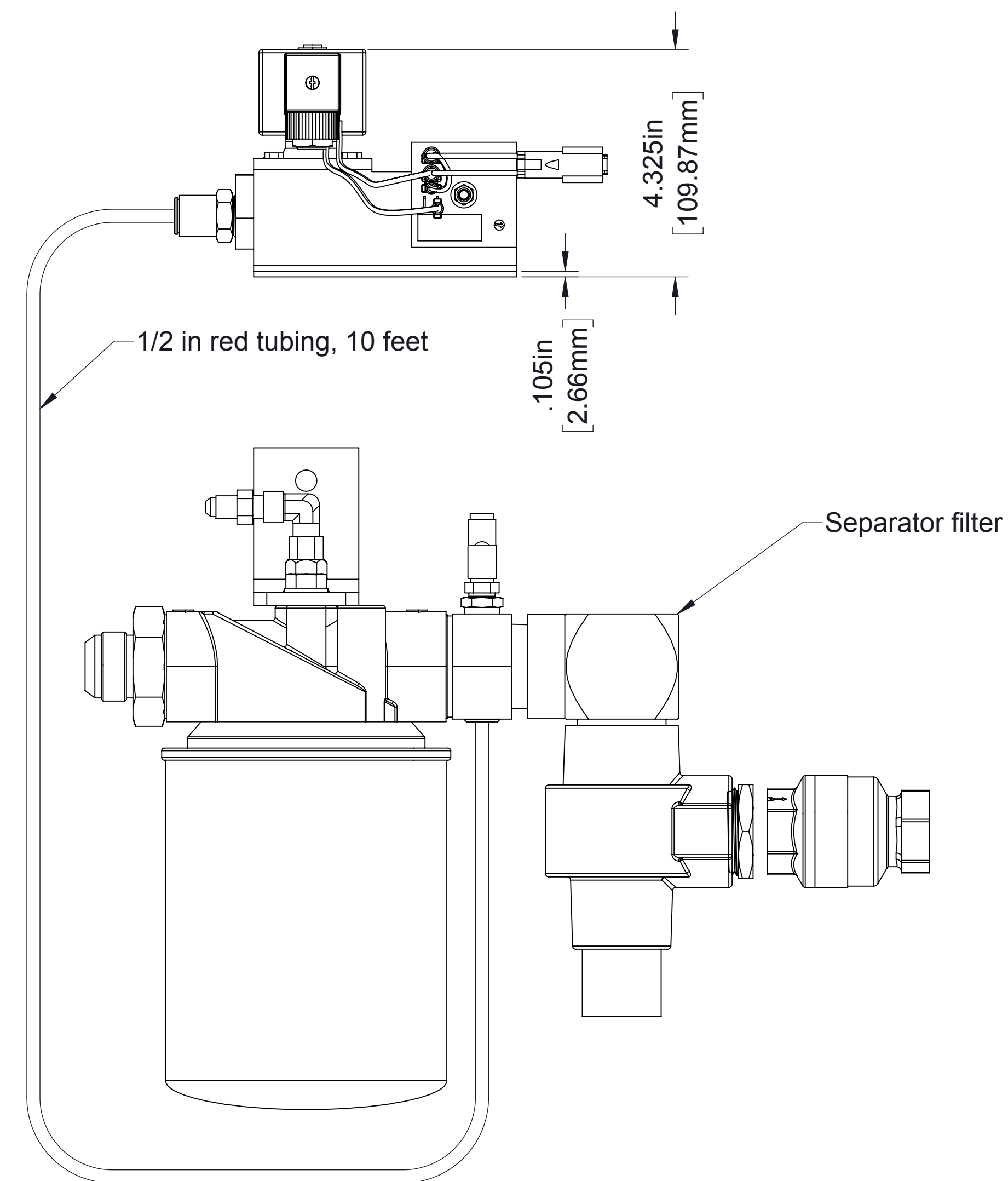


Panel Cut-Out

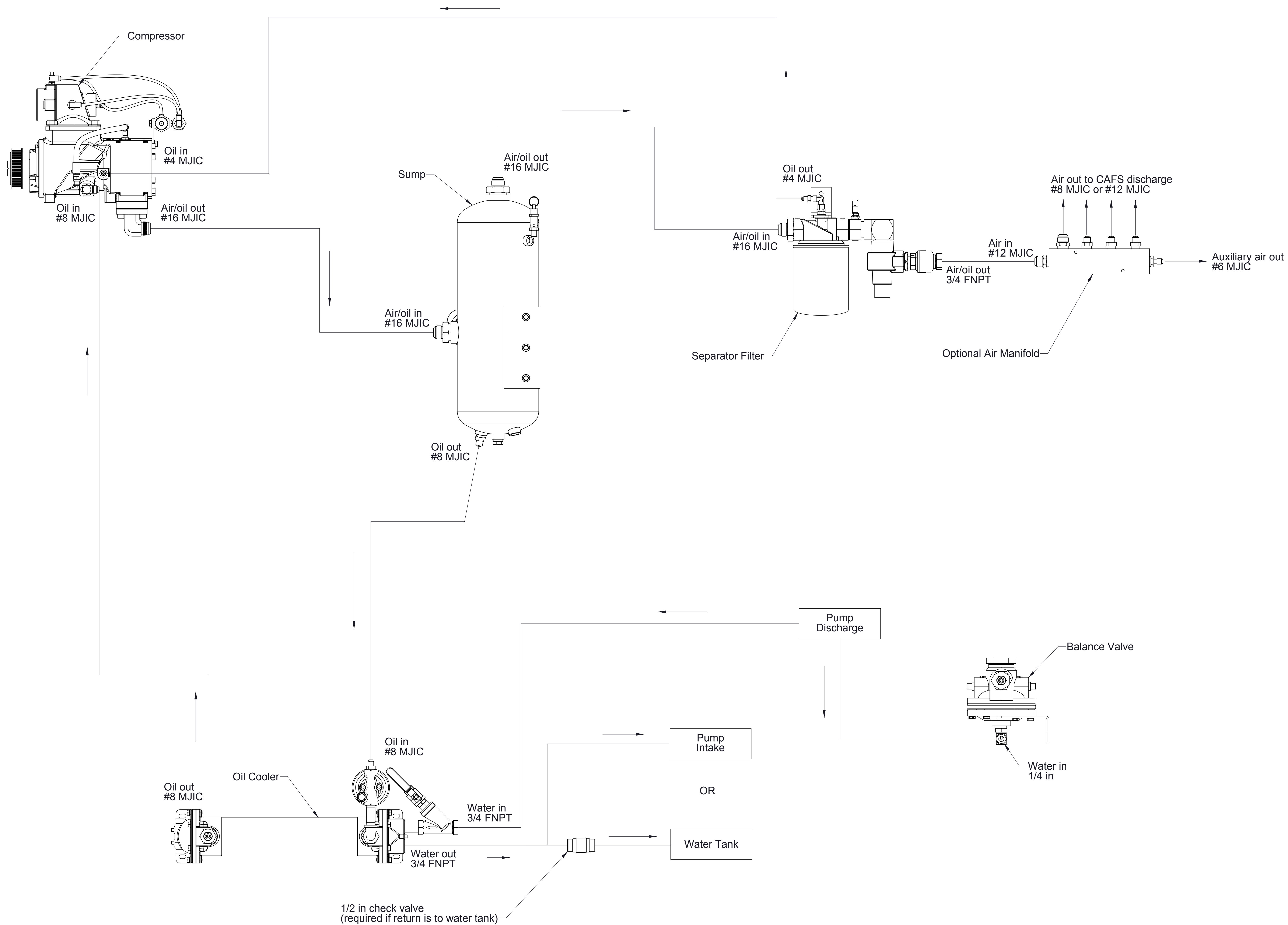


Air Flow Meter

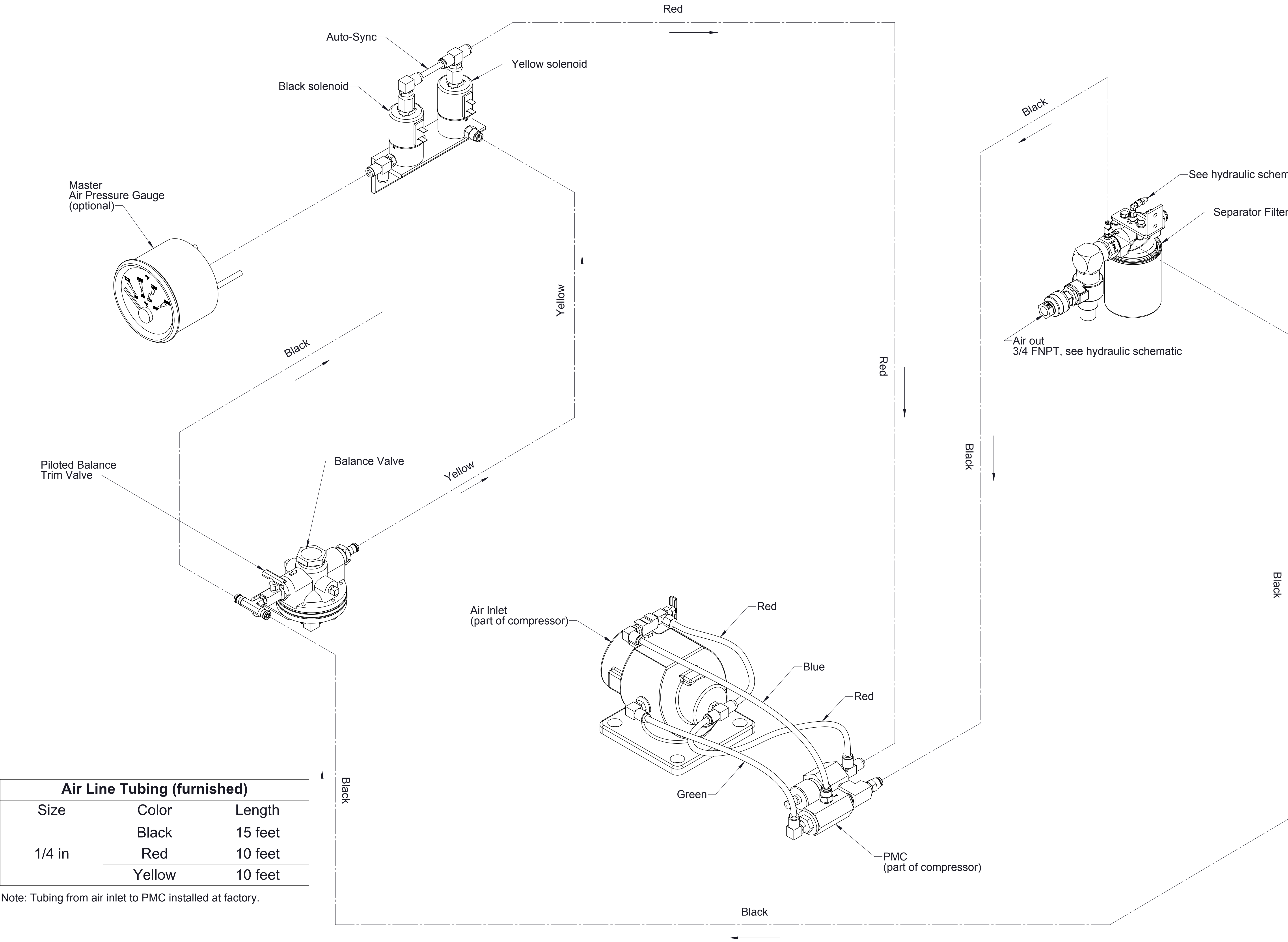
Optional Digital Air Flow Meter
Order part number Q-0390024, 12V



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)



Hydraulic Schematic

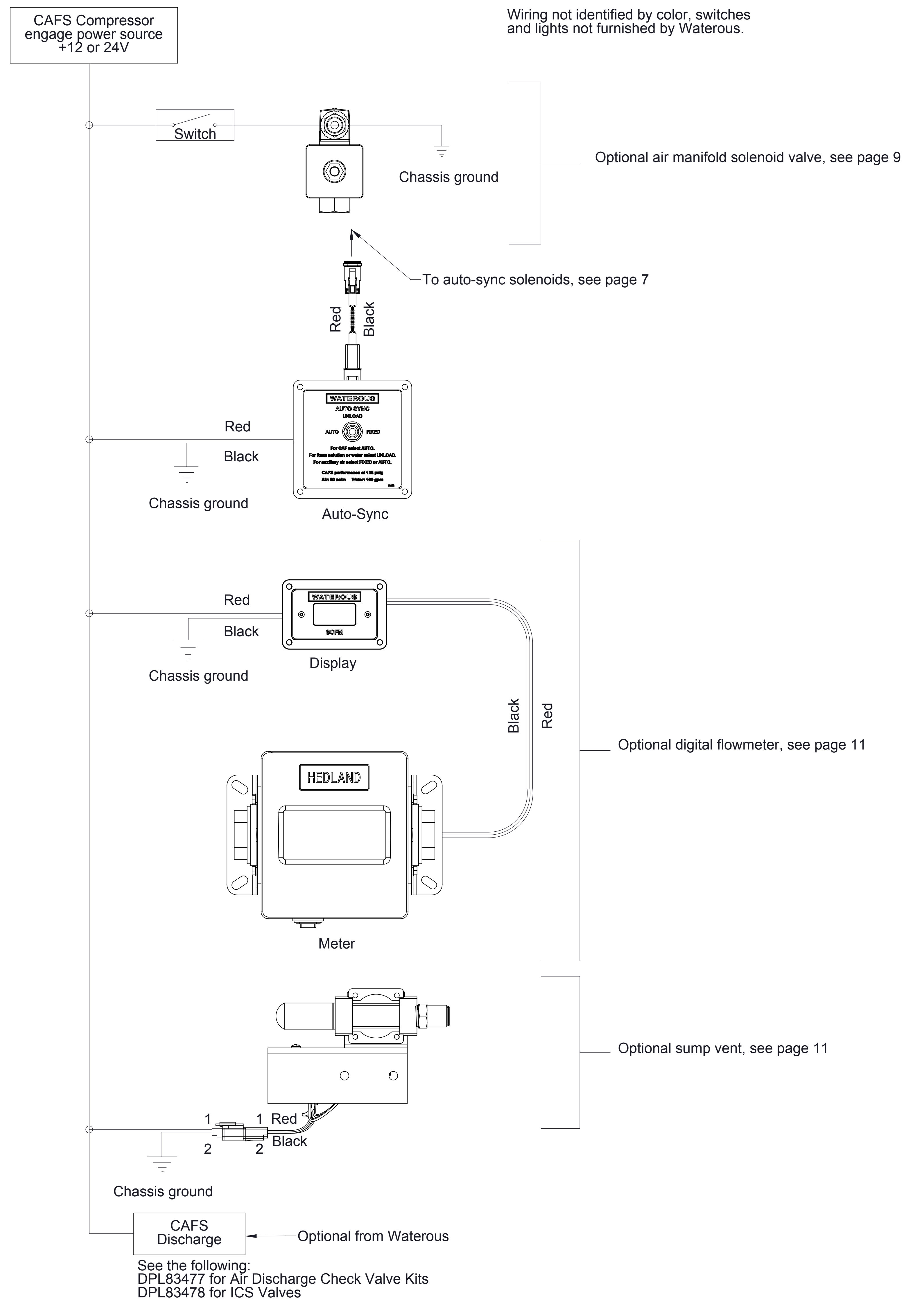
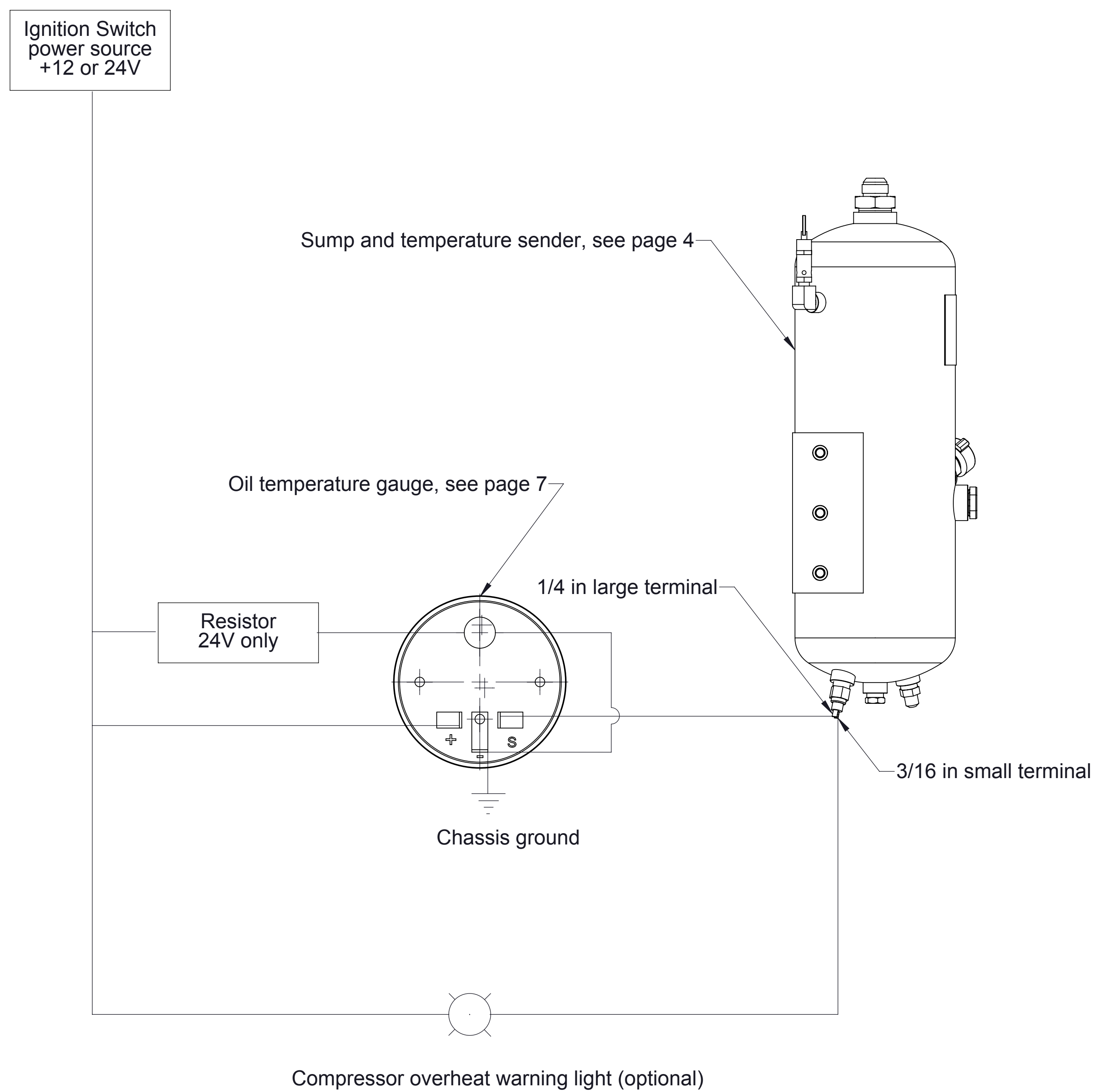


Air Line Tubing (furnished)		
Size	Color	Length
1/4 in	Black	15 feet
	Red	10 feet
	Yellow	10 feet

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.