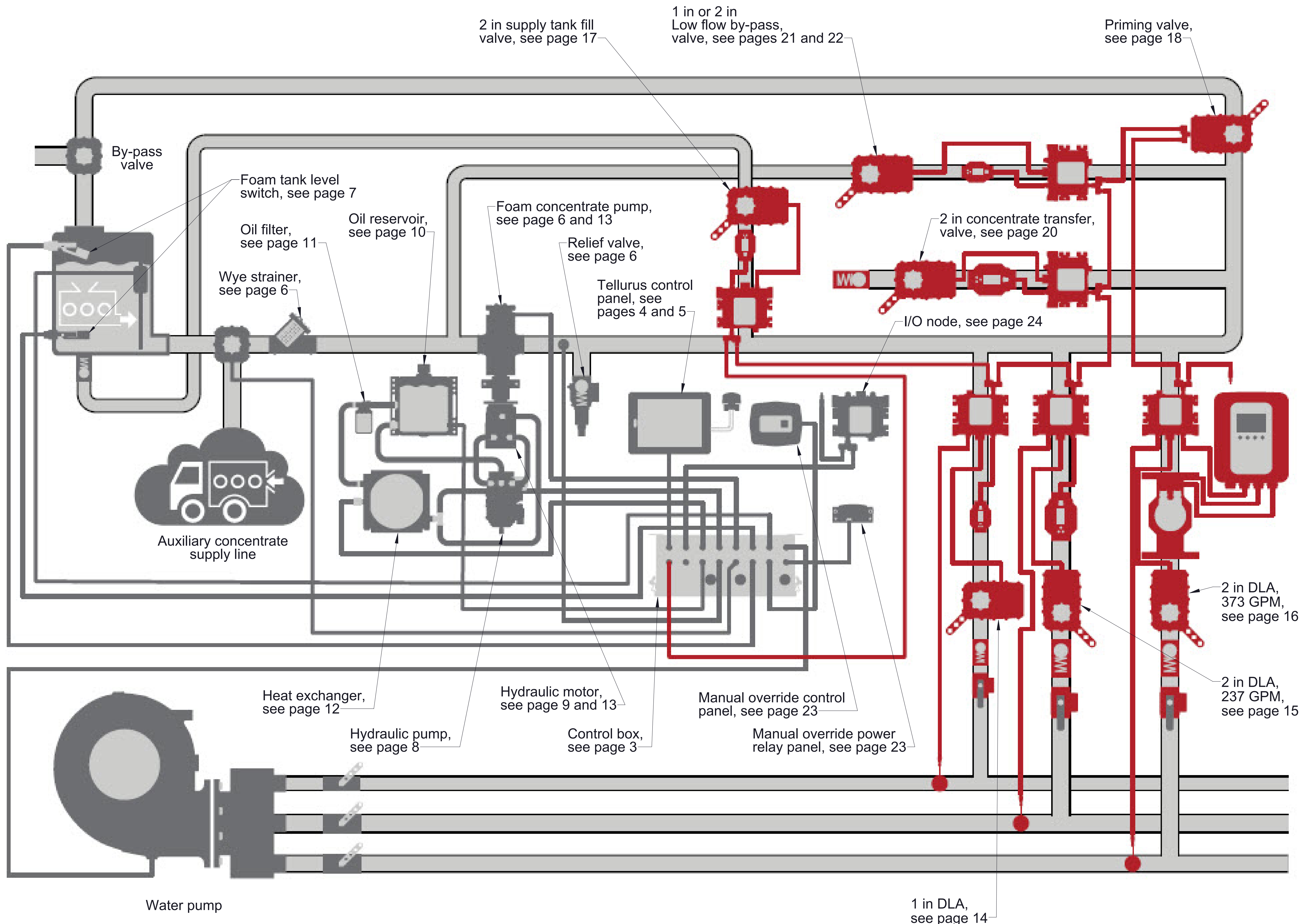
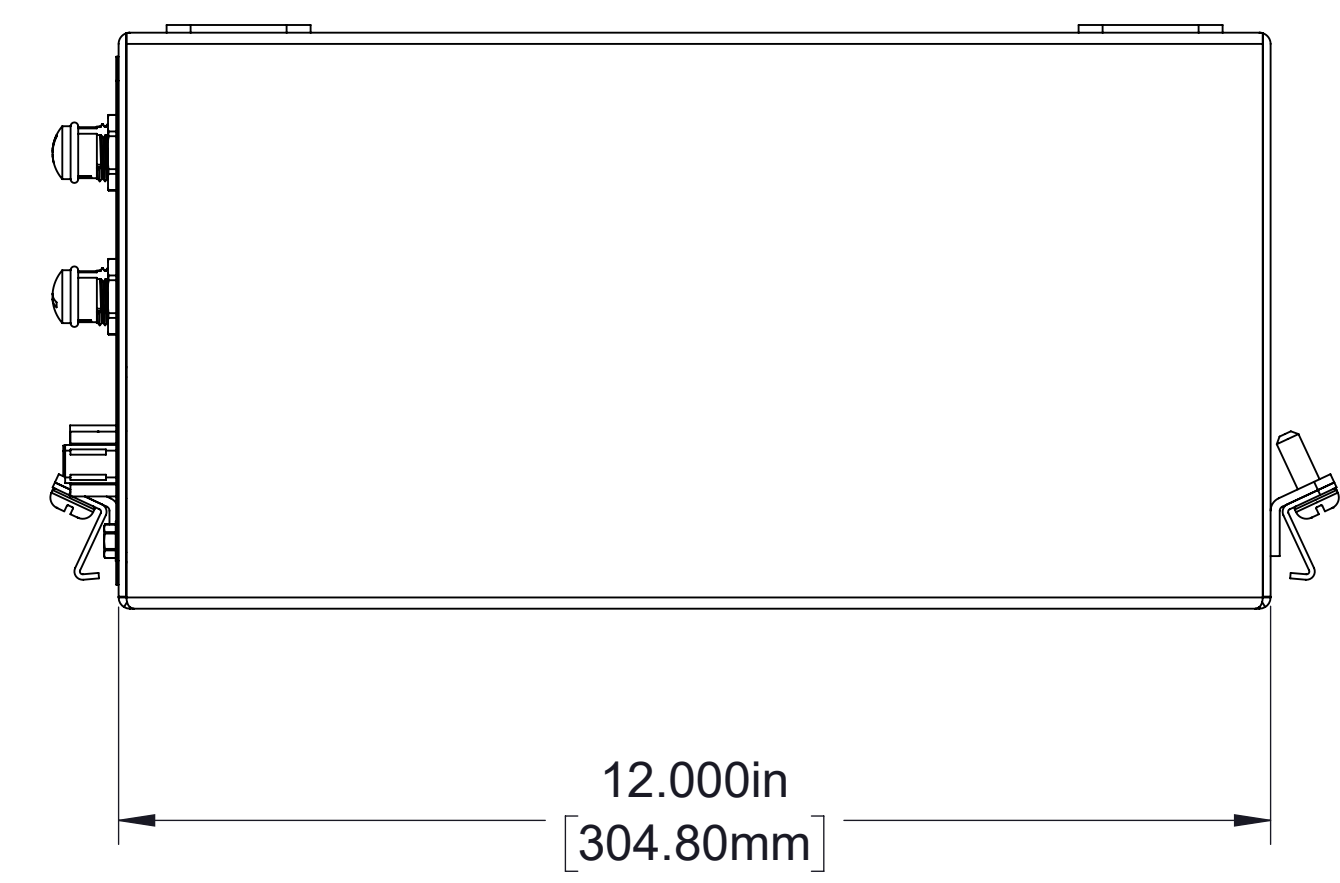
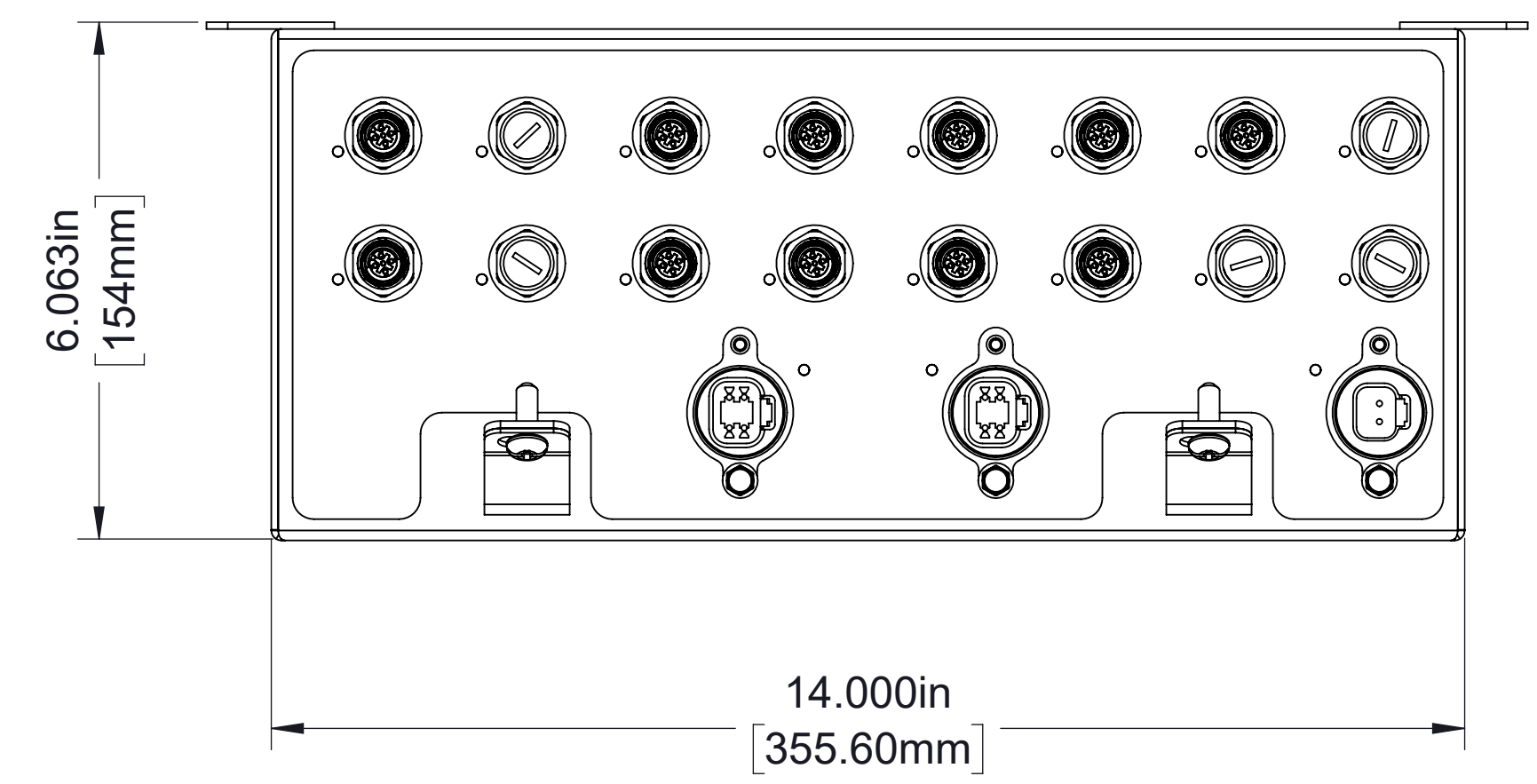
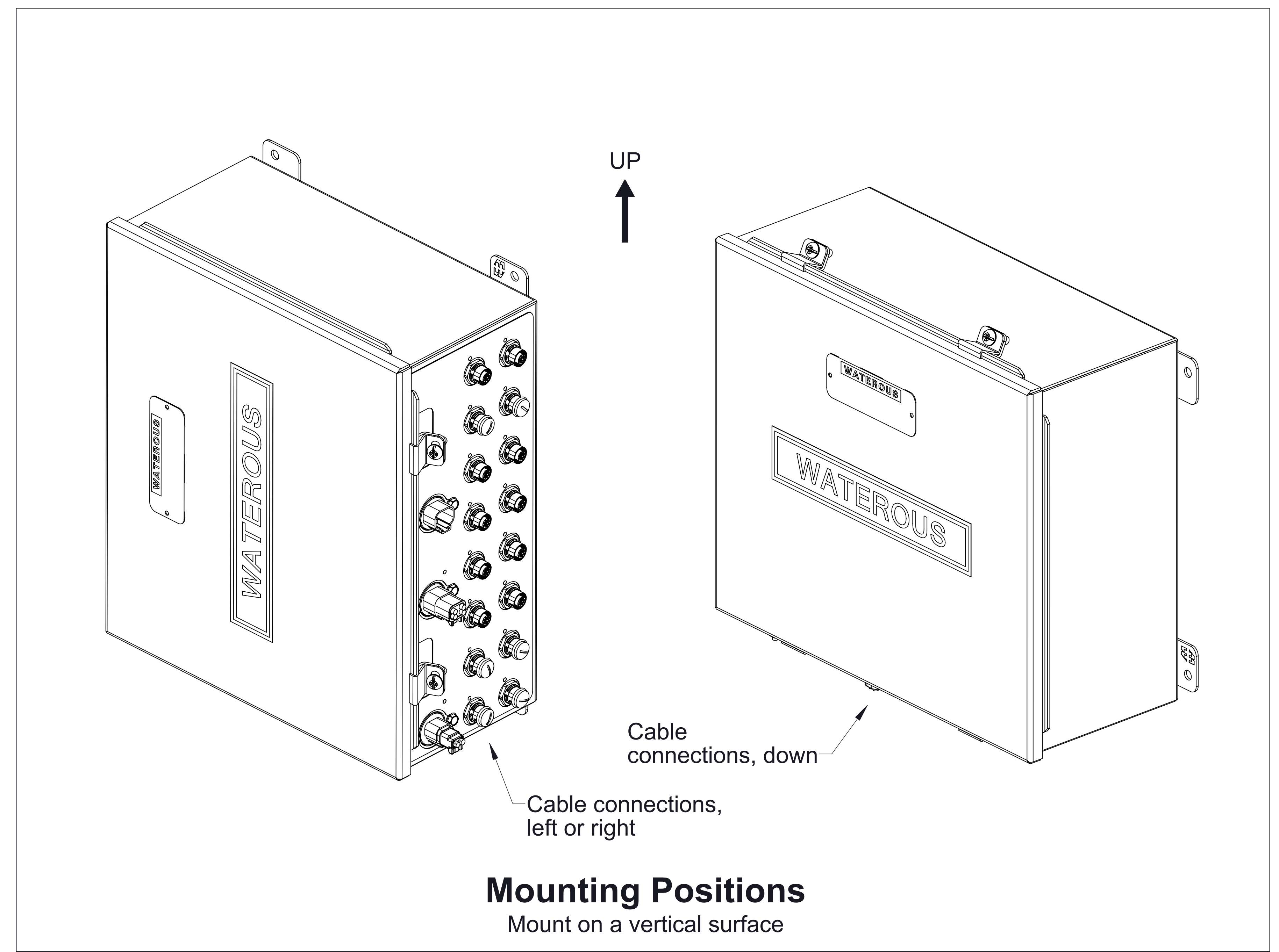
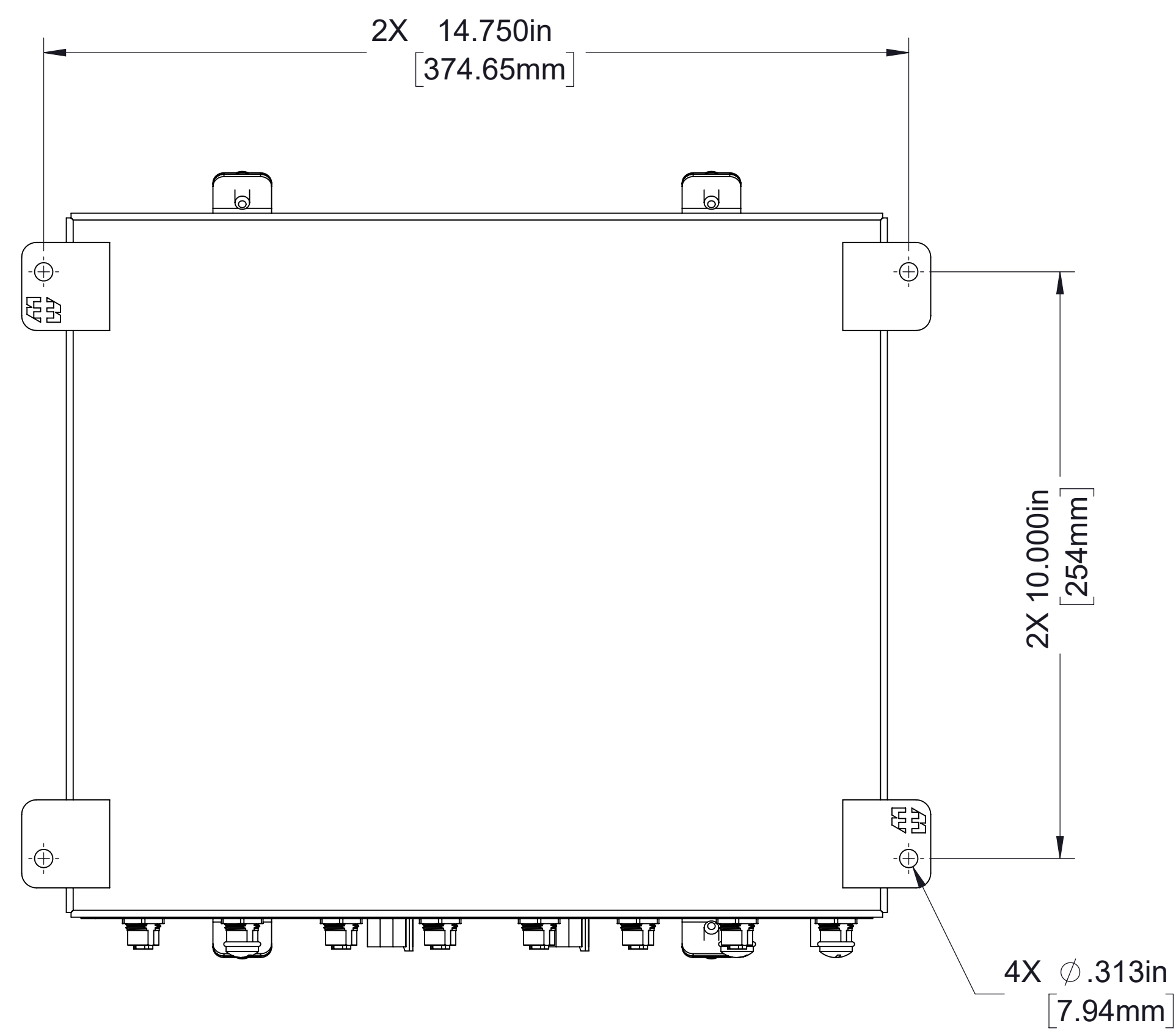


Aquis ULTRAFLOW 300 Foam System Dimensional Drawings

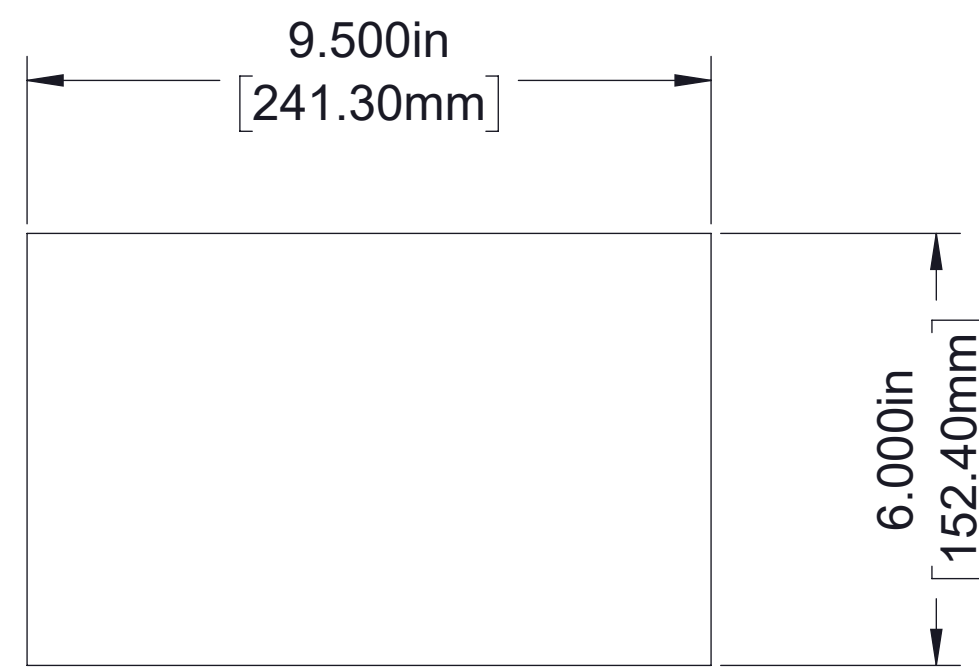
Component		See Page	
Overview of System		2	
Standard Components	Control Box		3
	Tellurus Control Panel	8 in	4
		15 in	5
	Foam Concentrate System	Relief Valve	6
		Wye Strainer	
		Foam Concentrate Pump	
		Pressure Transducer	7
		Foam Tank Level Switch	
		Water Pressure Transducer	
	Hydraulic System	Hydraulic Pump	8
		Hydraulic Motor	9
		Oil Reservoir	10
		Filter Head	11
		Oil Filter	
		Oil Filter Life Indicator	
		Heat Exchanger	12
	Foam Concentrate Pump and Hydraulic Motor		13
	Valves	1 in DLA	14
		2 in DLA, 237 GPM Flow	15
		2 in DLA, 373 GPM Flow	16
Supply Tank Fill		17	
Priming Valve		18	
Cables		19	
Optional Components	Valves	Concentrate Transfer	20
		1 in Low Flow By-Pass Assembly	21
		2 in Low Flow By-Pass Assembly	22
	Manual Override Control Panel		23
	Additional I/O Node		24



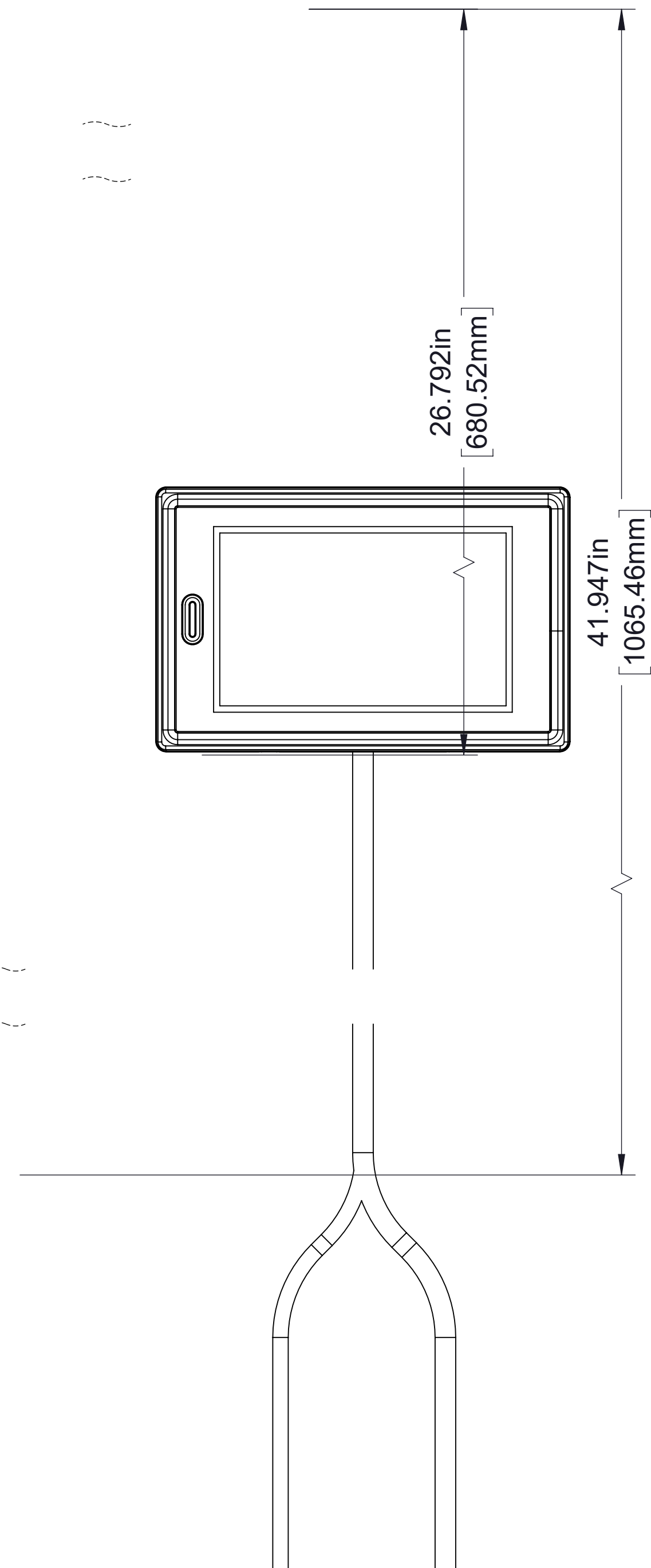
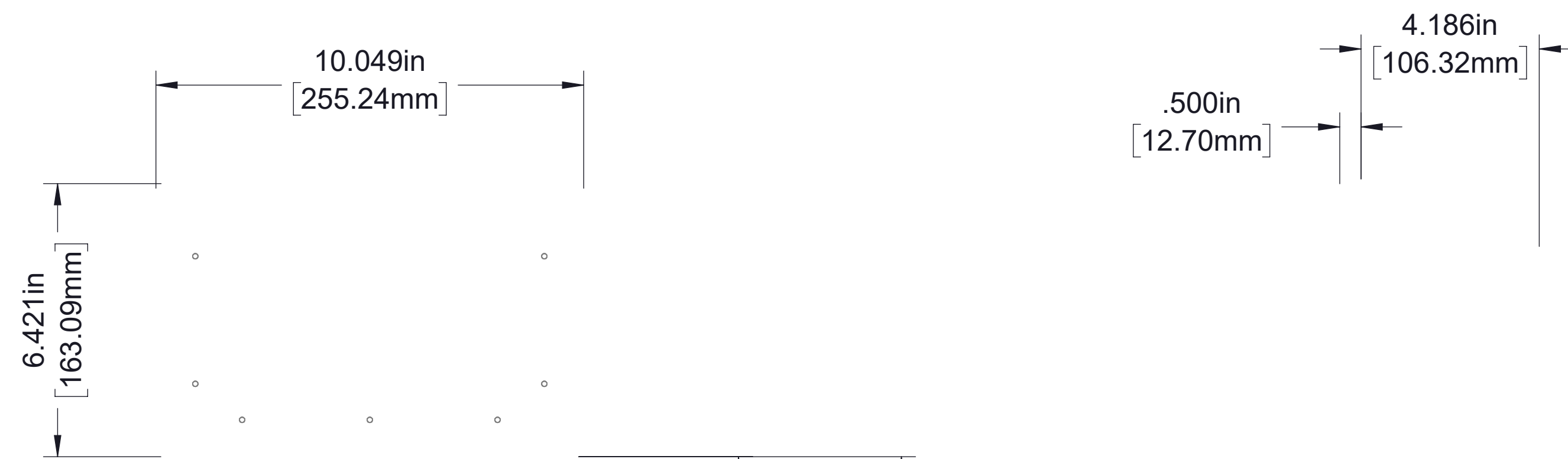
Overview of ULTRAFLOW 300 Foam System



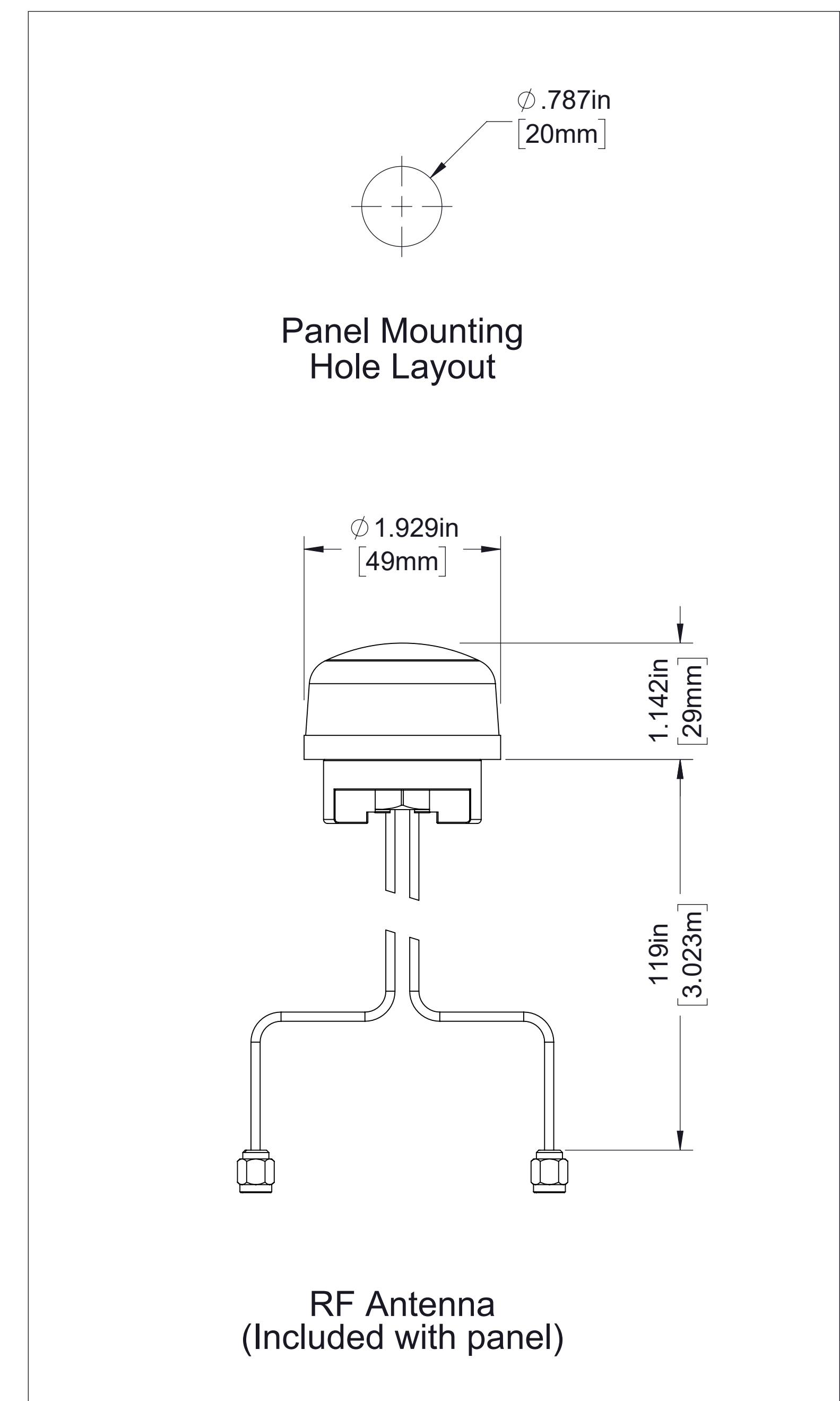
Control Box
Part No. 9472-1 or 9472-2



Panel Mounting Hole Layout

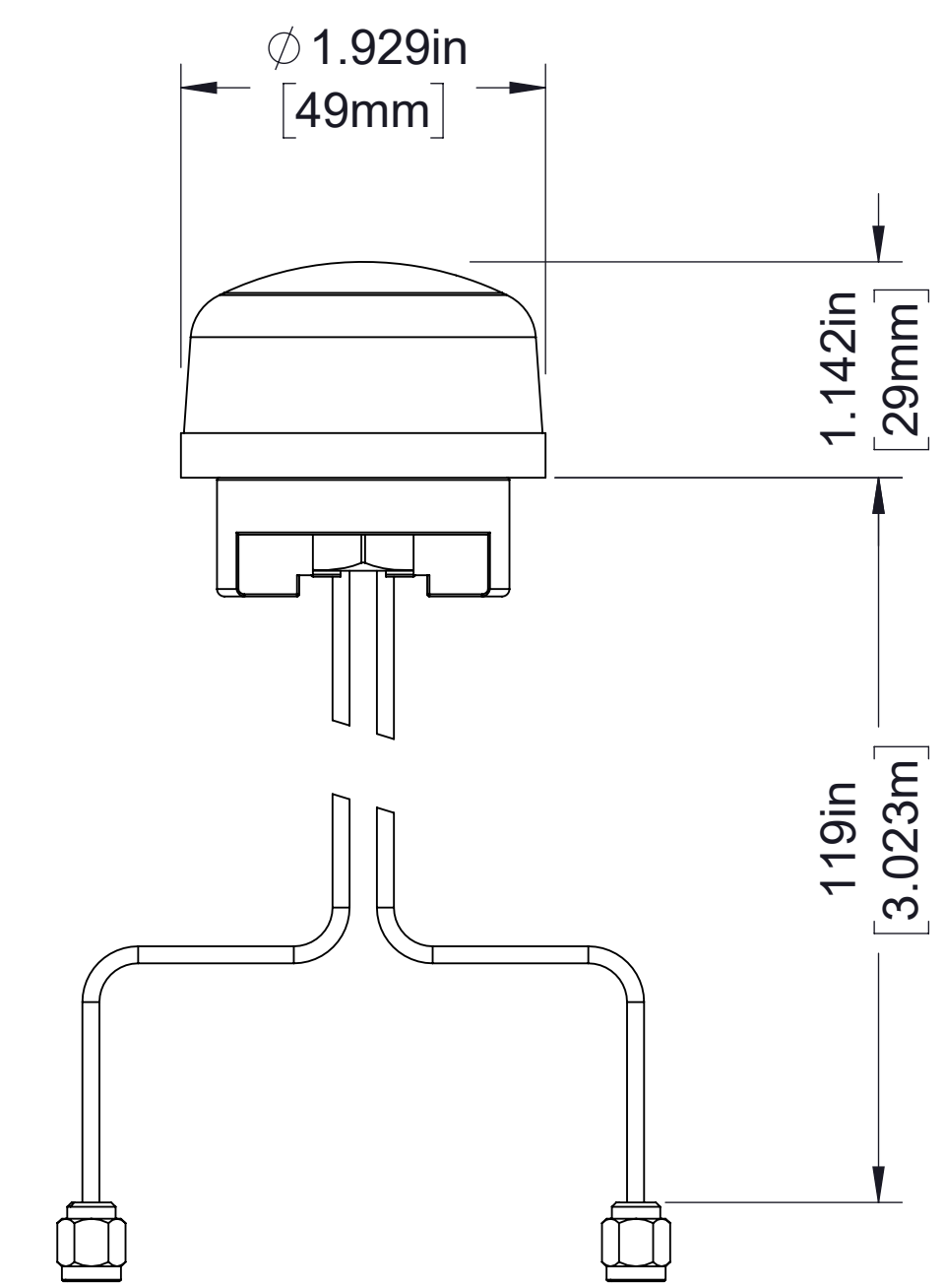
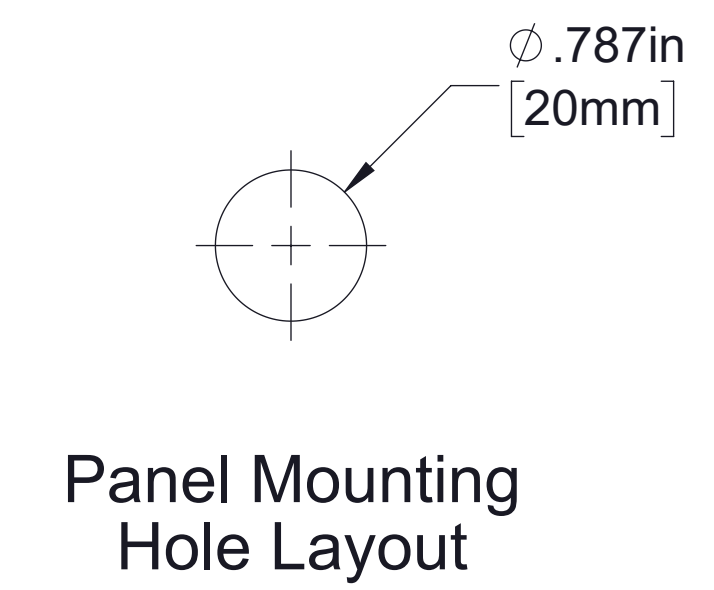
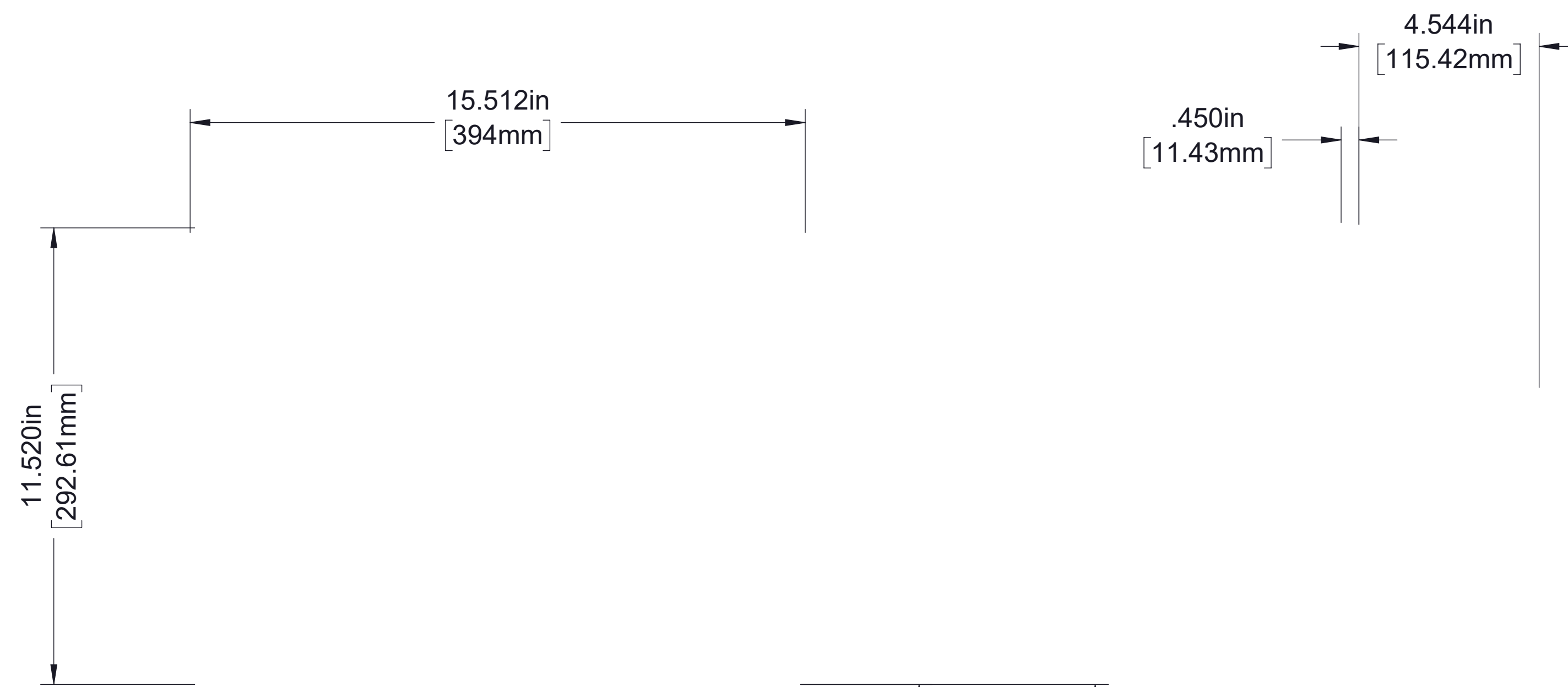


Tellurus Control Panel, 8 in
Part No. 83536

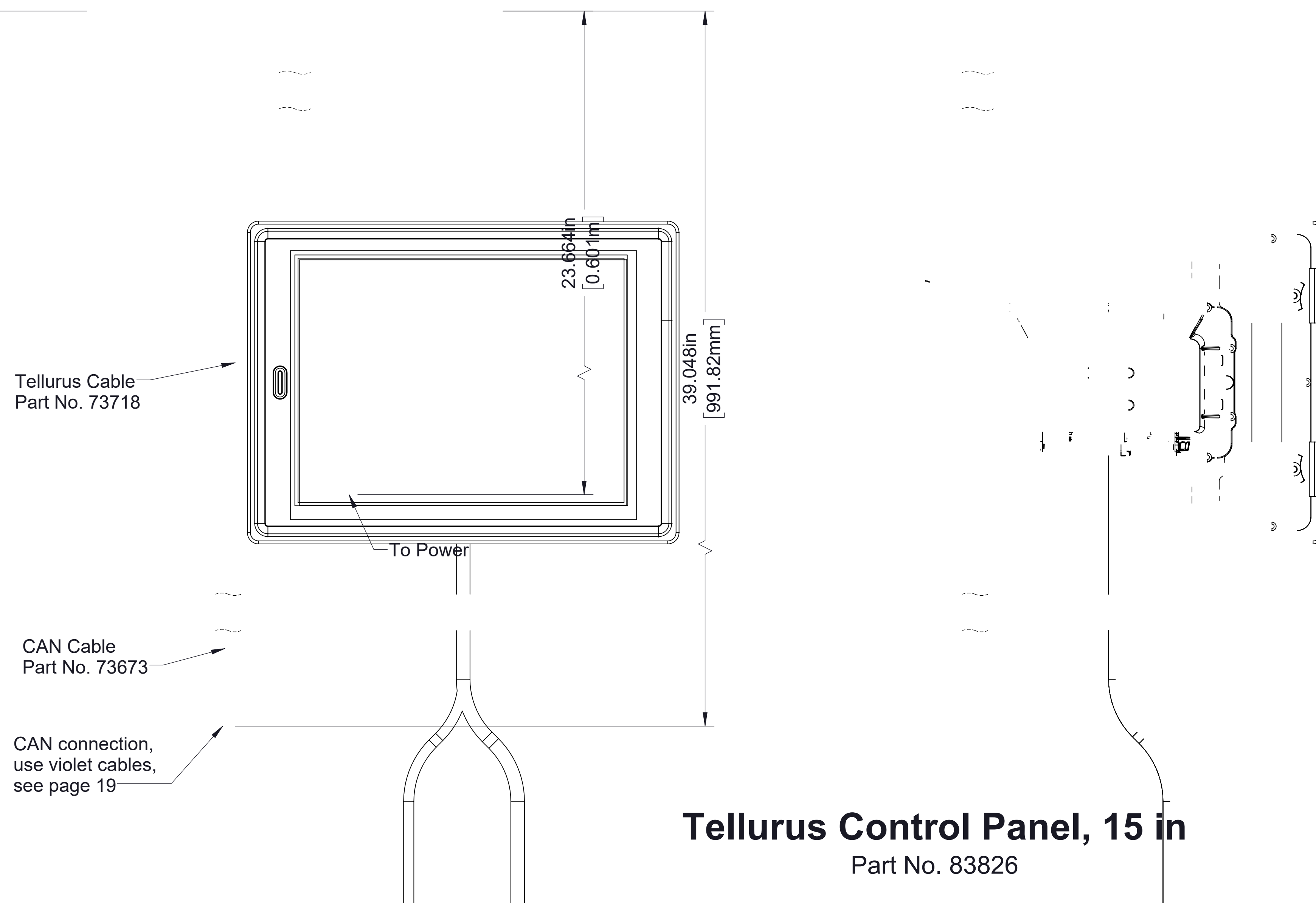


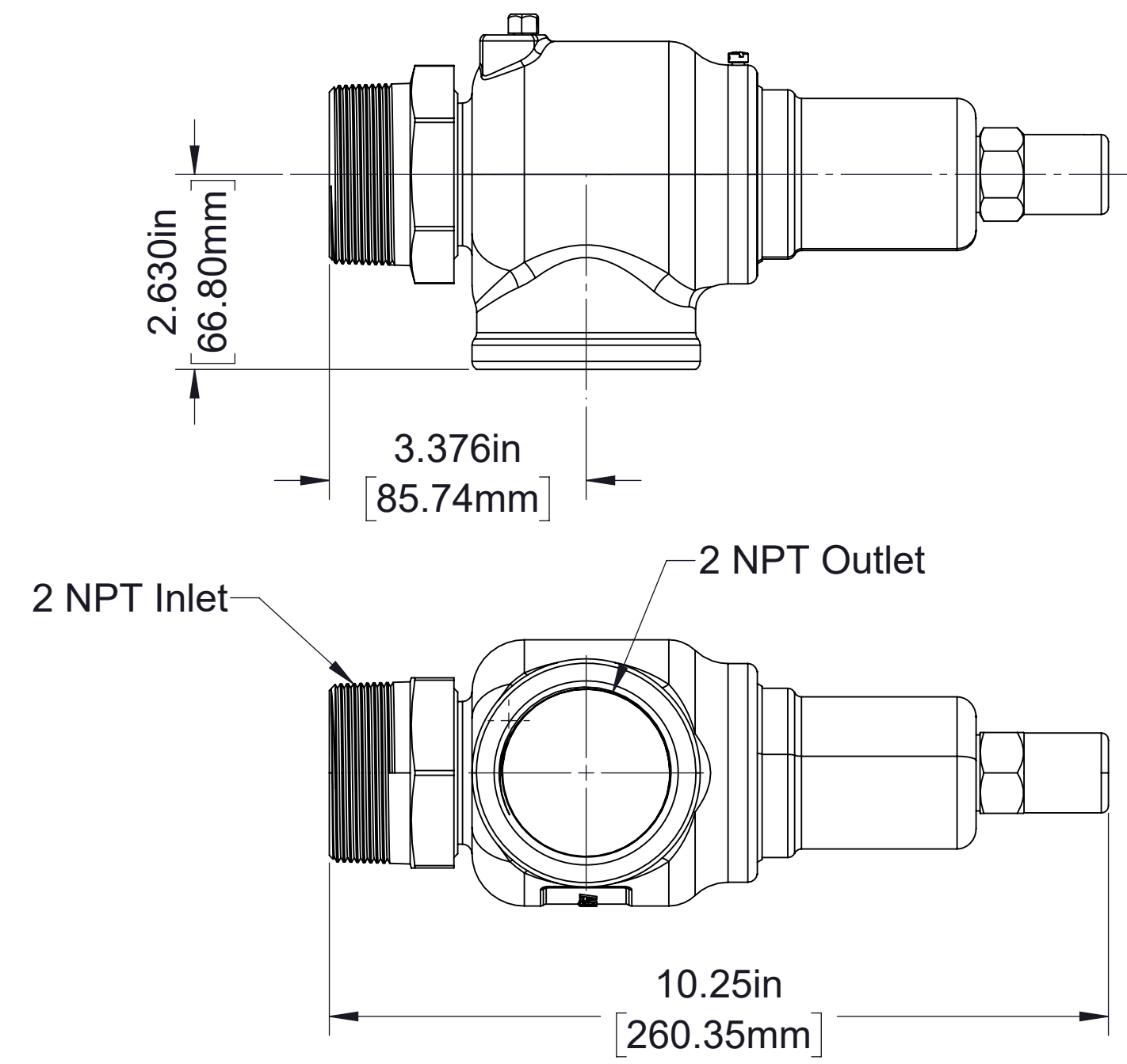


Panel Mounting Hole Layout

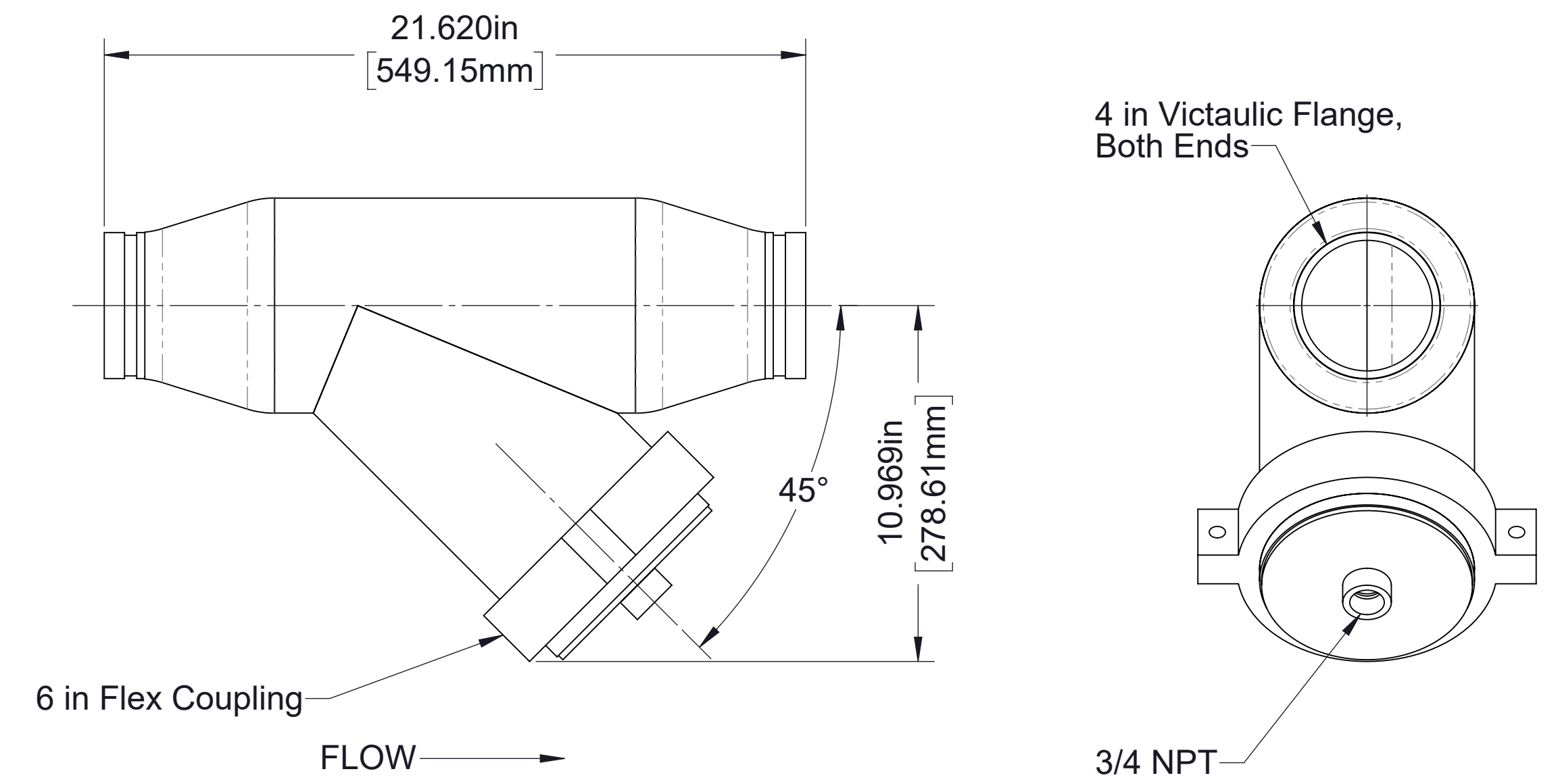


**RF Antenna
(Included with panel)**

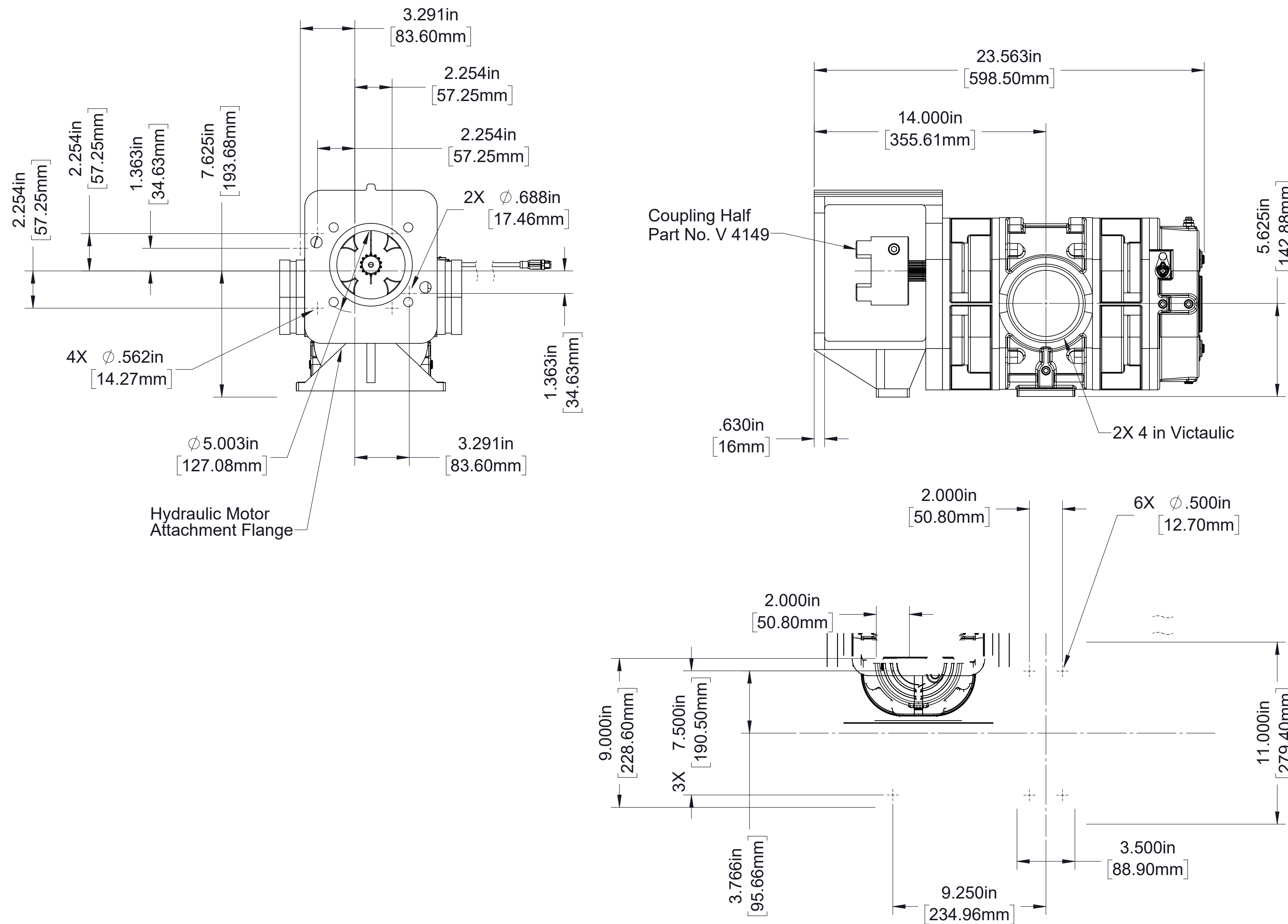




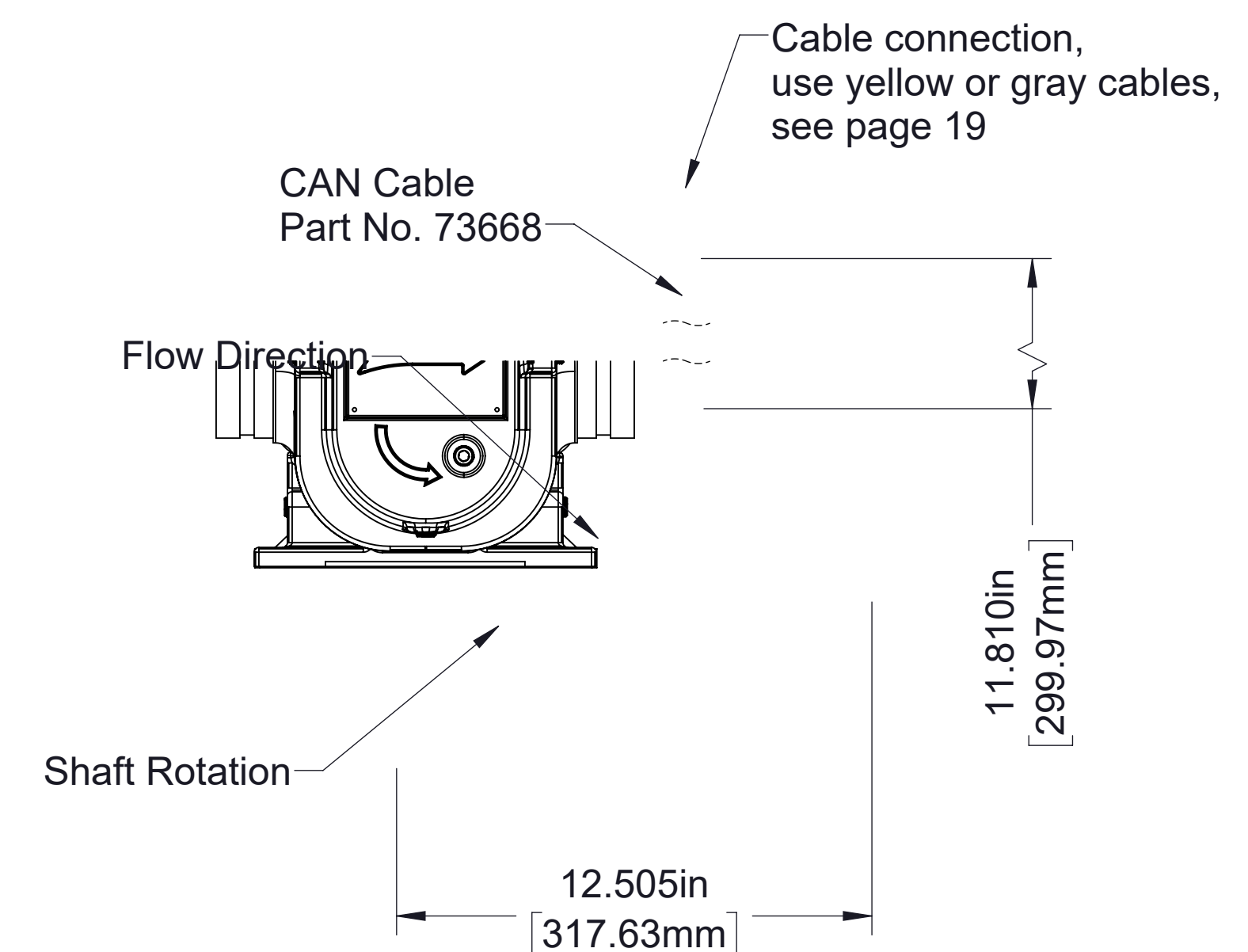
Relief Valve
Part No. V 4151

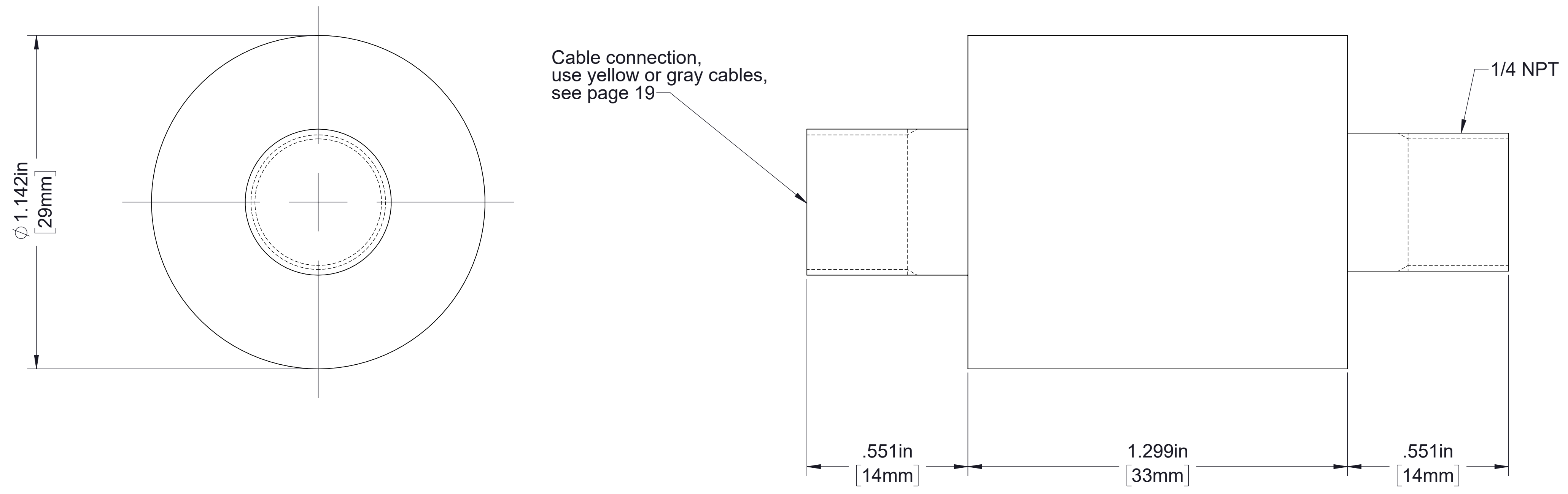


Wye Strainer
Part No. V 4329



Foam Concentrate Pump
Part No. 83803



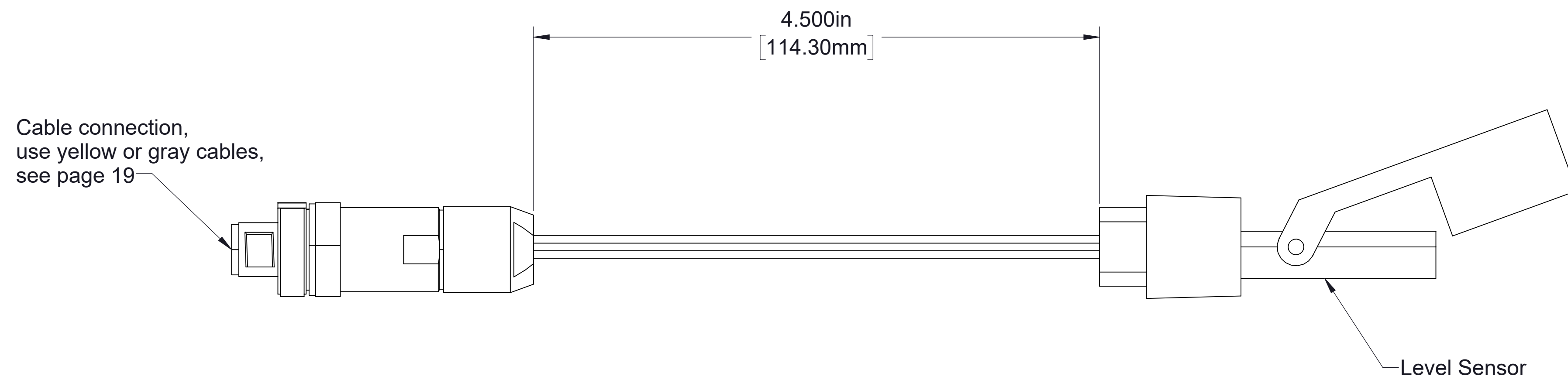


Cable connection,
use yellow or gray cables,
see page 19

1/4 NPT

Pressure Transducer

Used for Foam Concentrate Pump Pressure
and Water Pump Pressure
Part No. V 4168



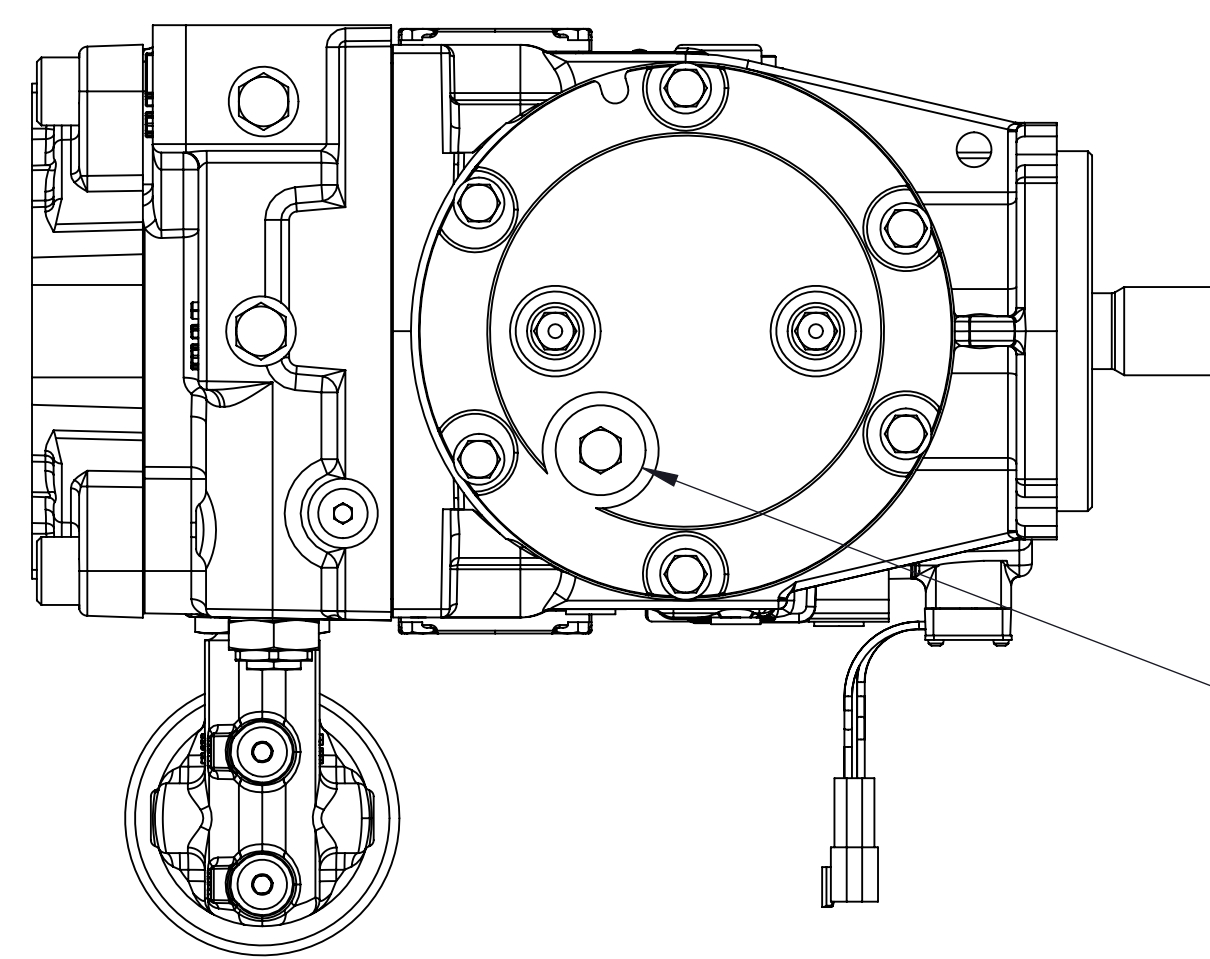
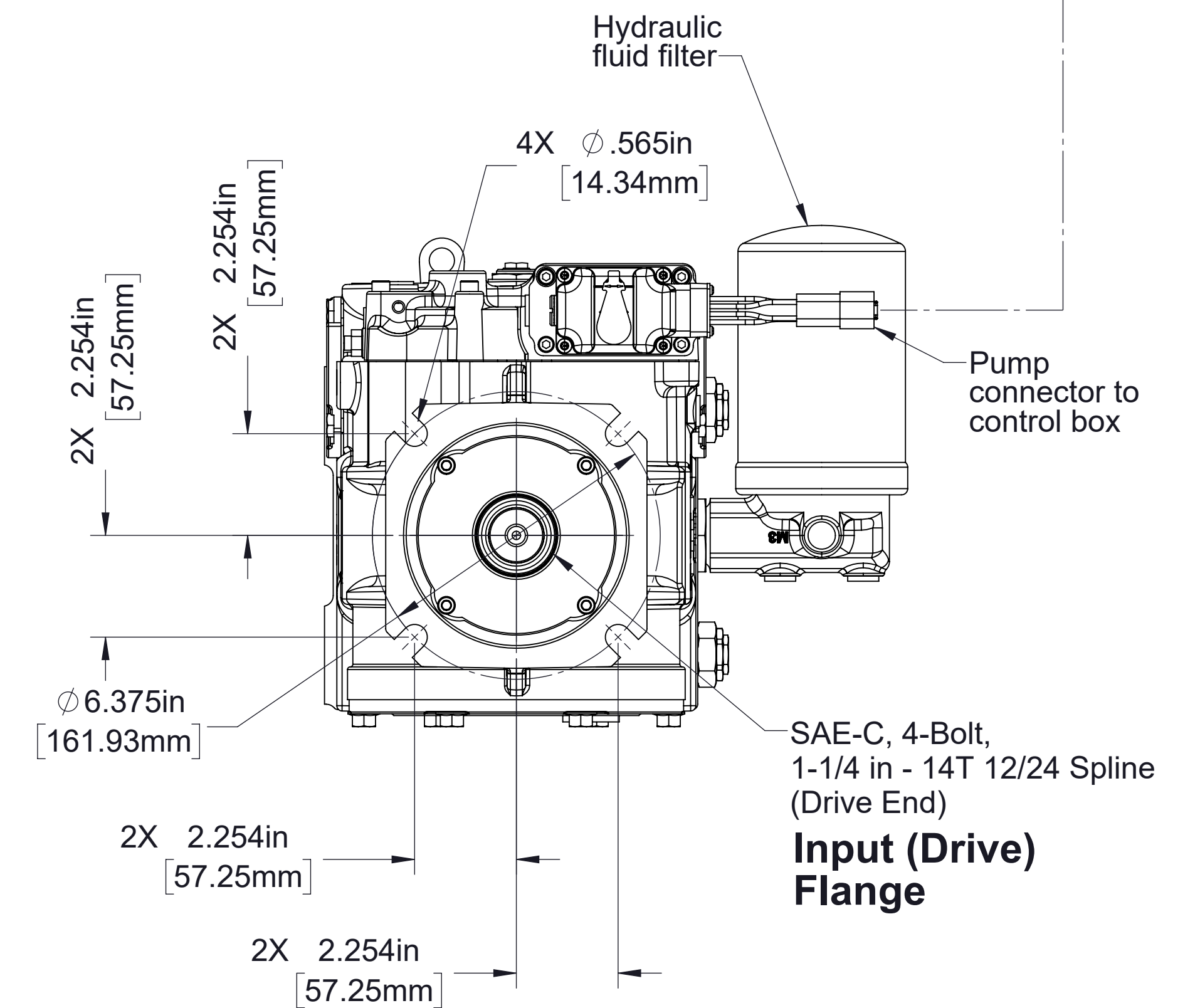
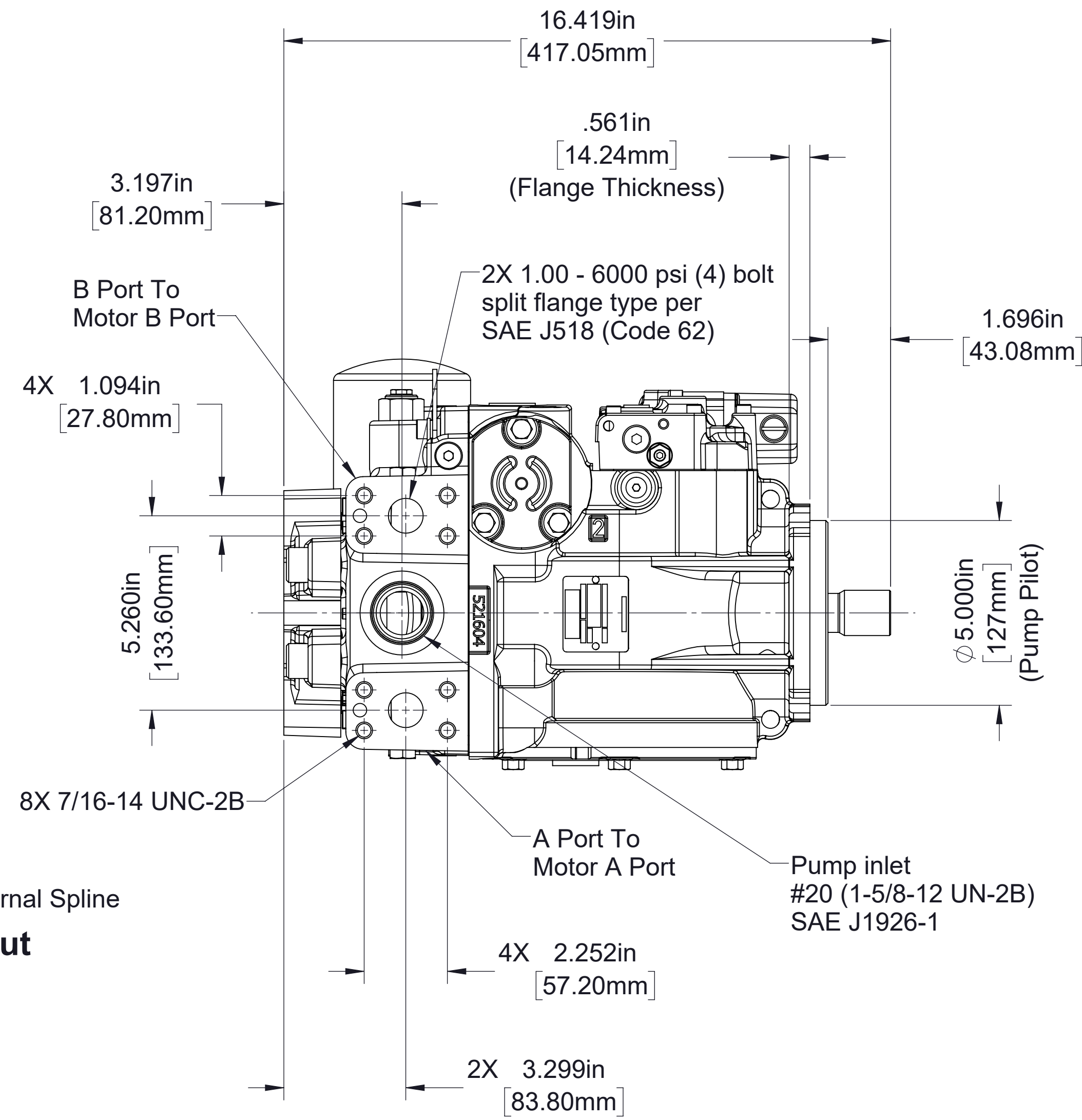
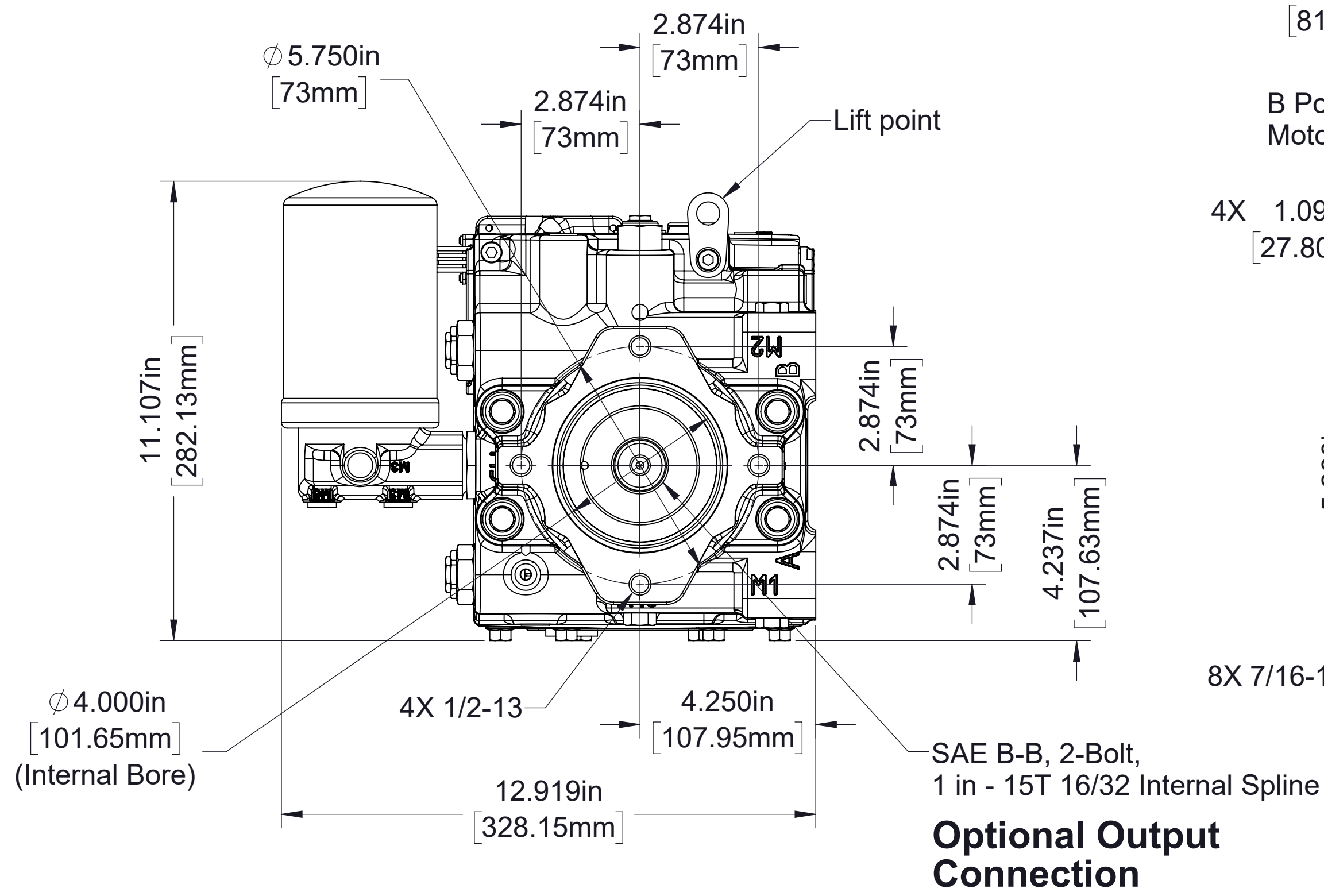
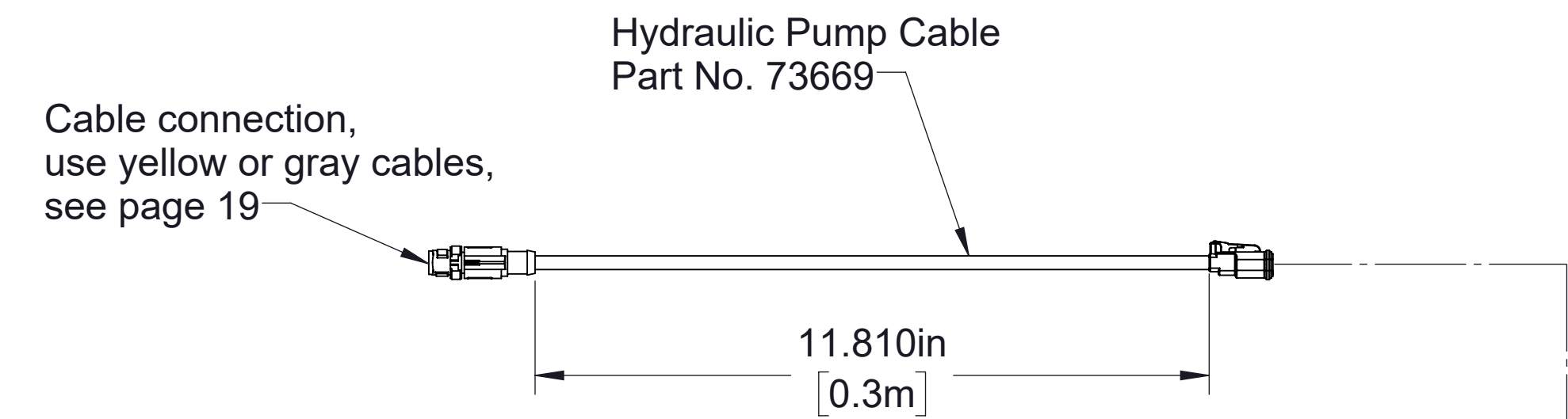
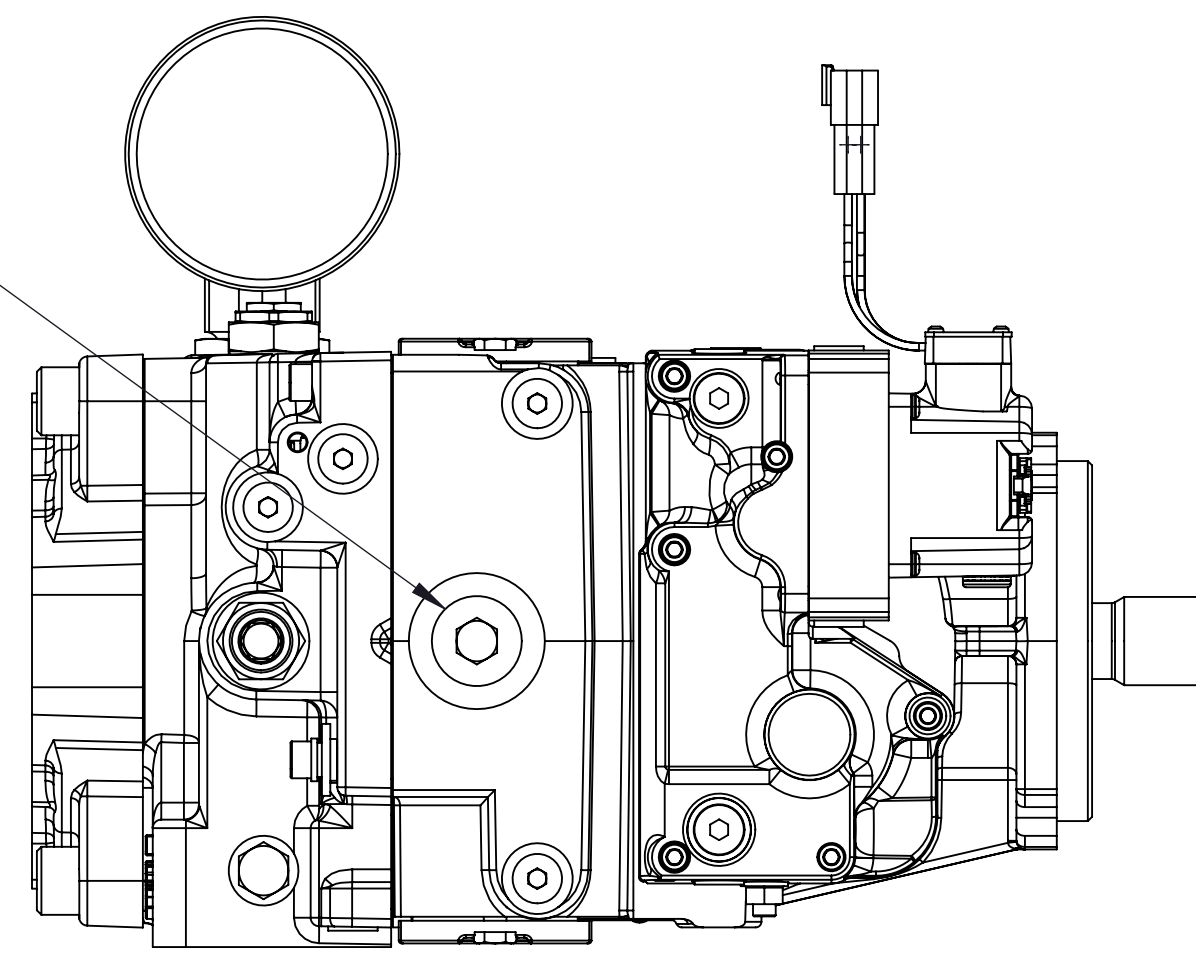
Cable connection,
use yellow or gray cables,
see page 19

Level Sensor

Foam Tank Level Switch

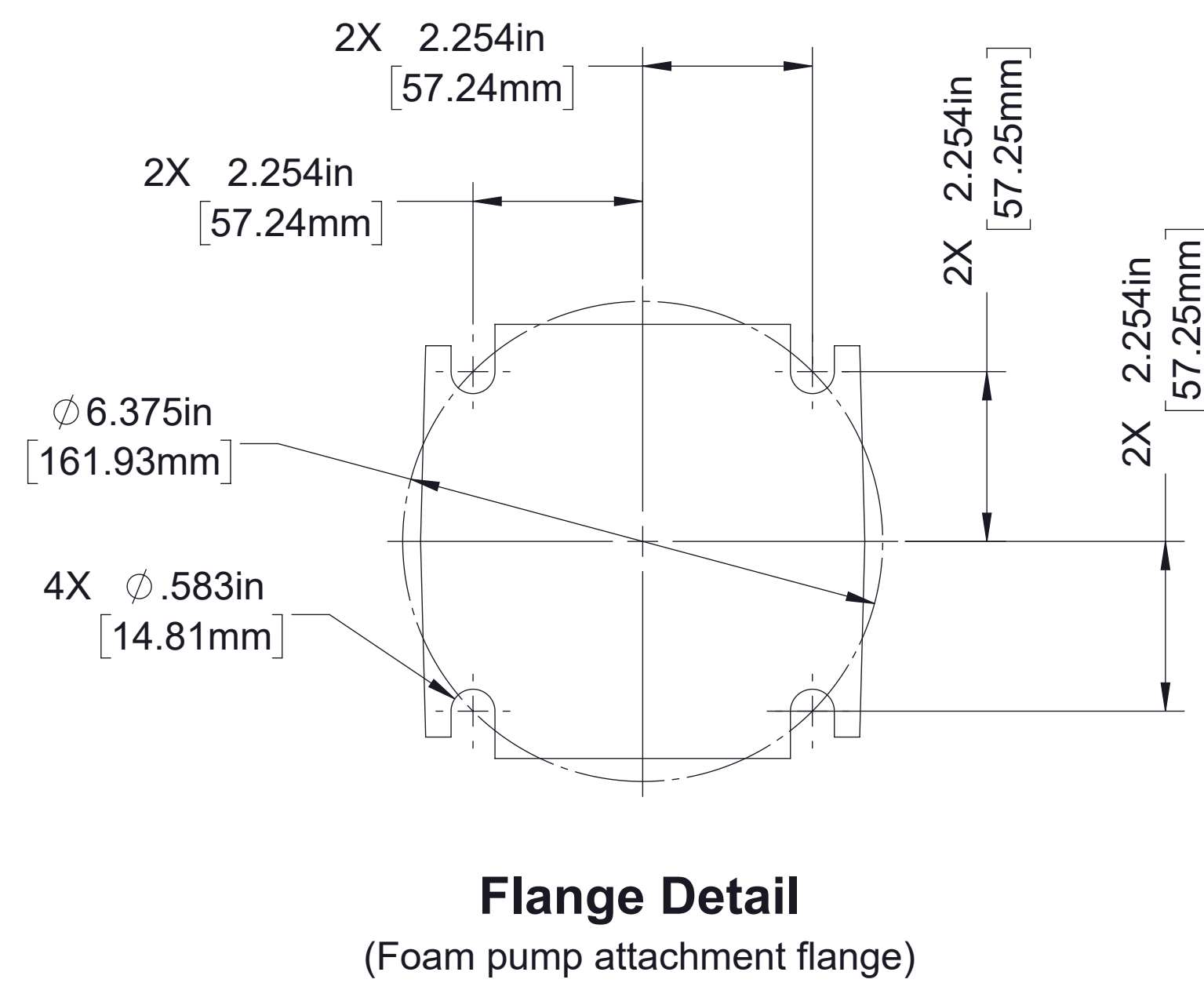
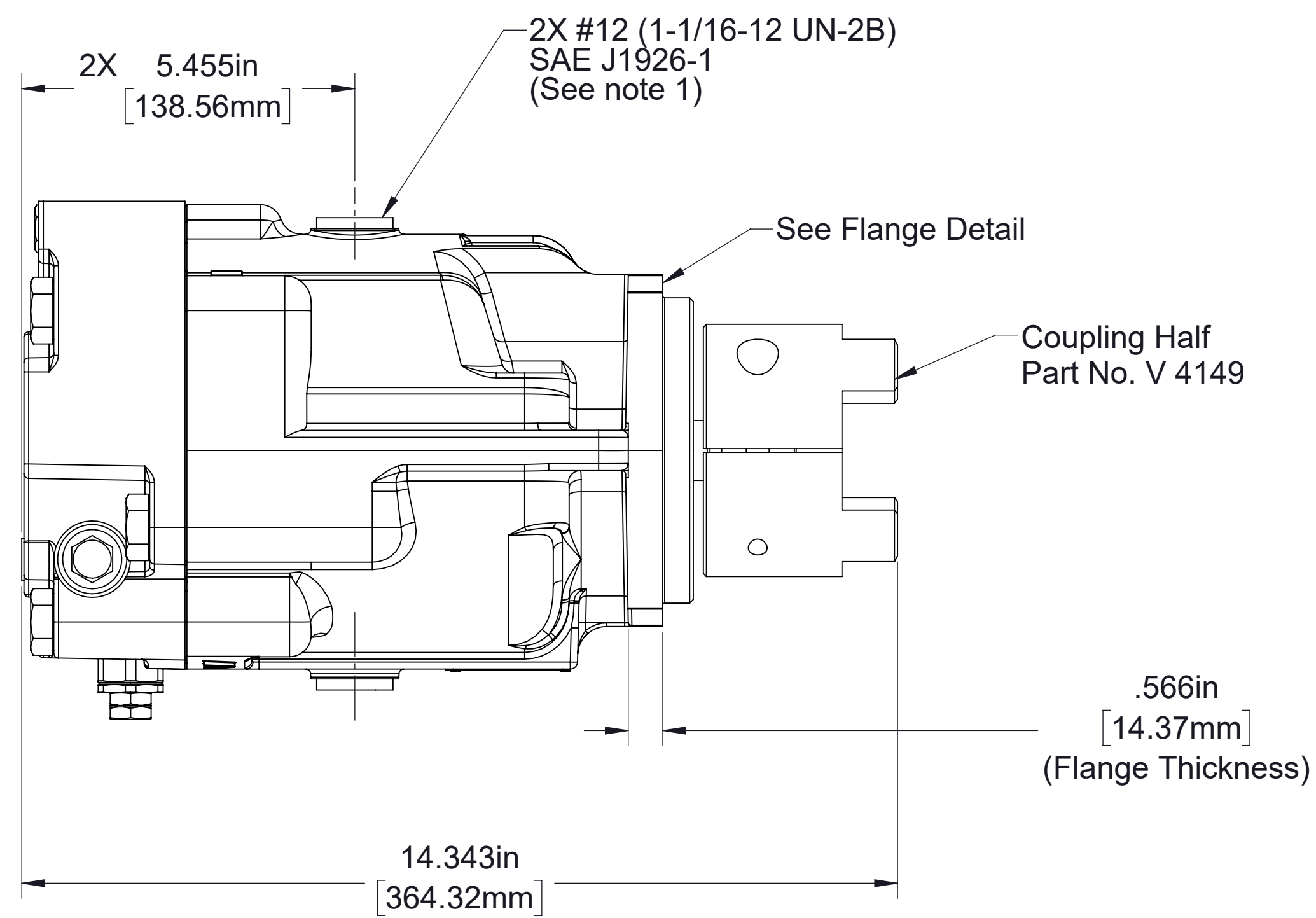
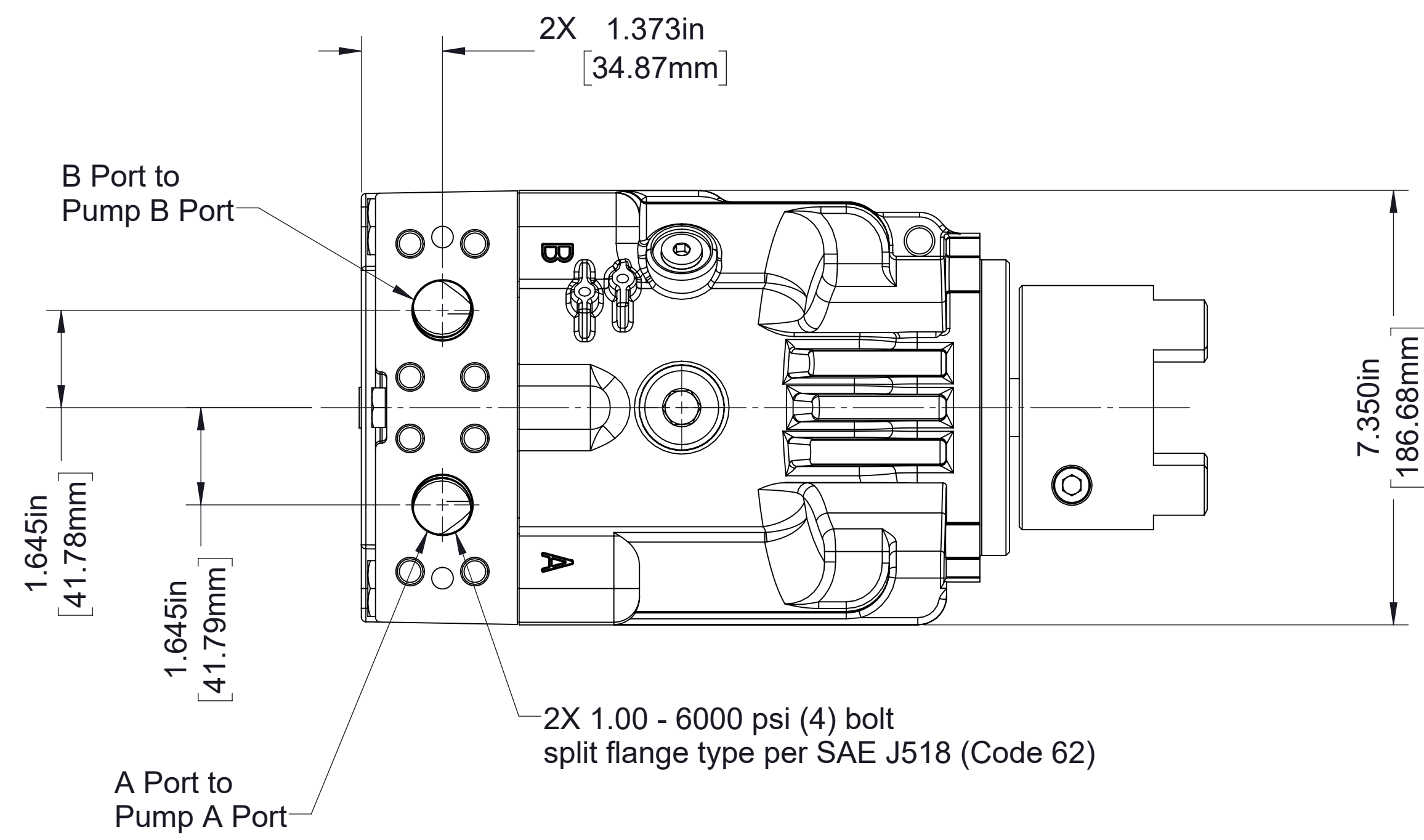
Part No. 53474

Port L1
 #12 (1-1/16-12 UN-2B)
 SAE J1926-1
 (To 1 NPT port on oil reservoir)

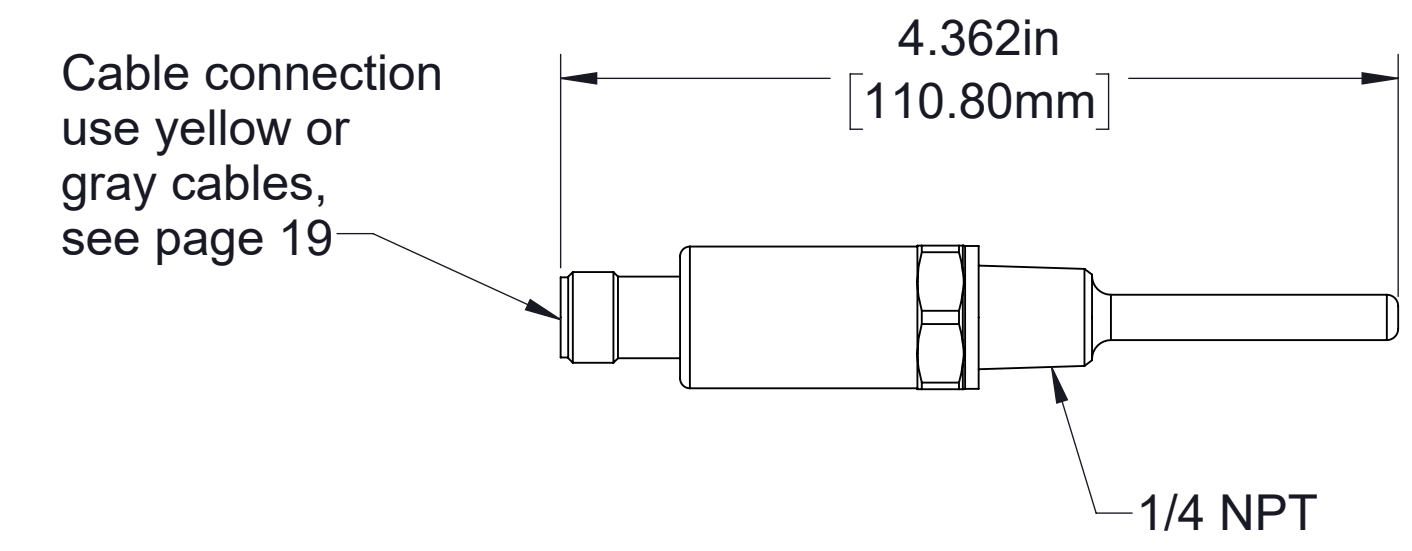
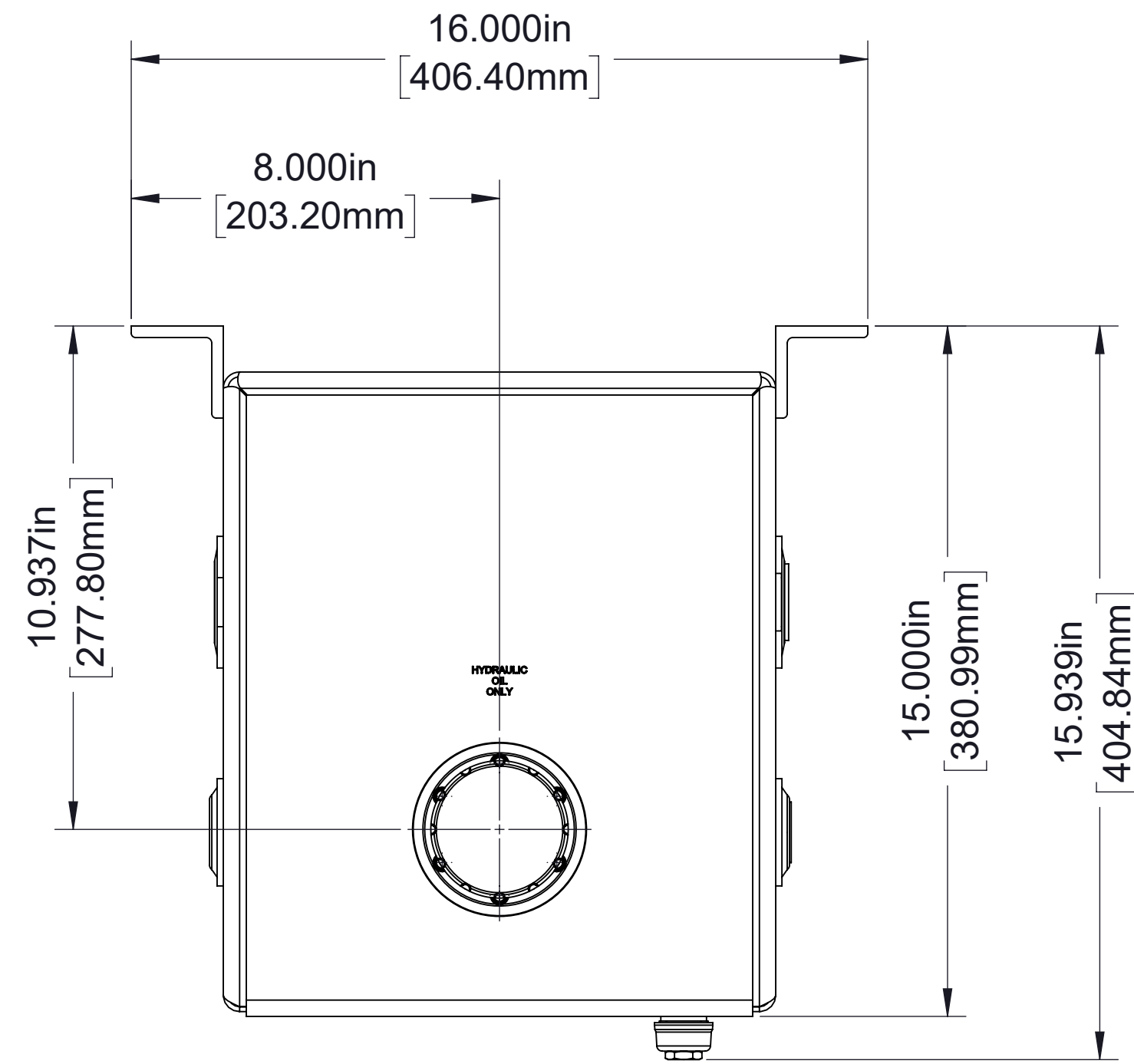


Port L2
 #12 (1-1/16-12 UN-2B)
 SAE J1926-1
 (To Hydraulic Motor)

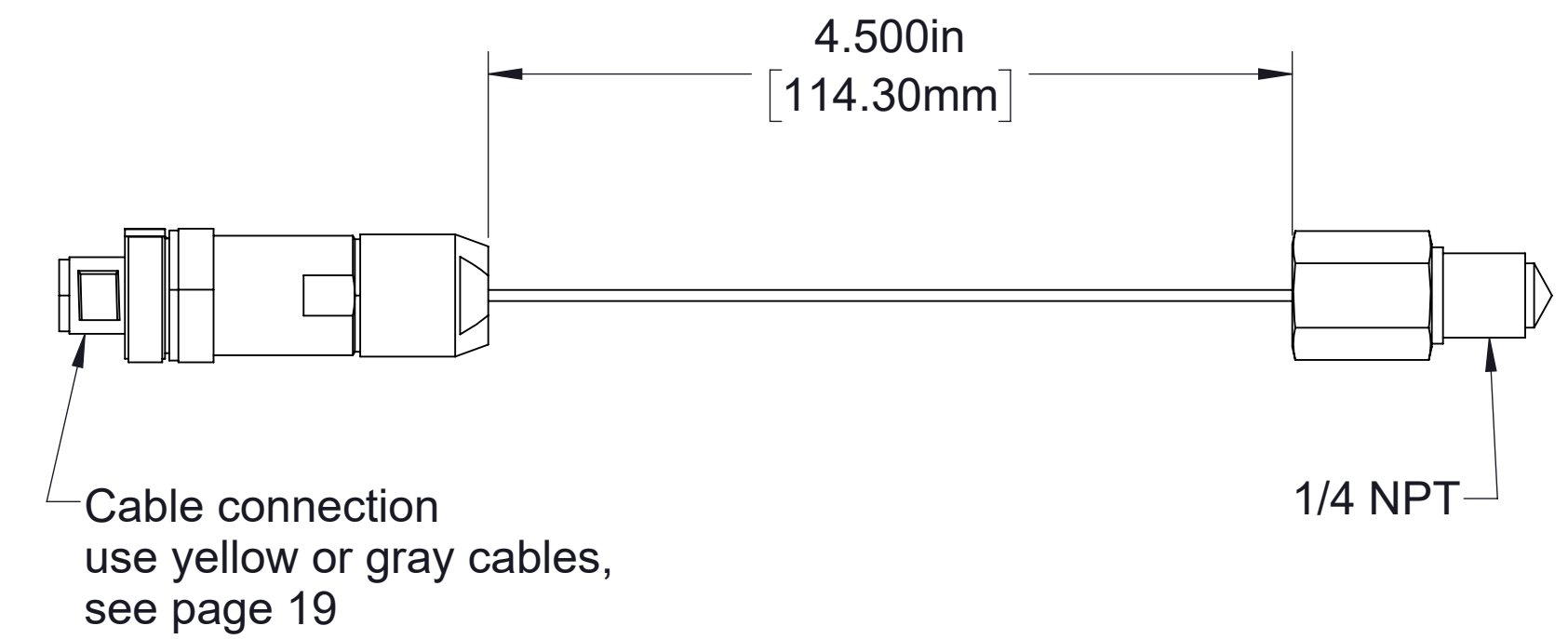
Hydraulic Pump
 Part No. V 4140



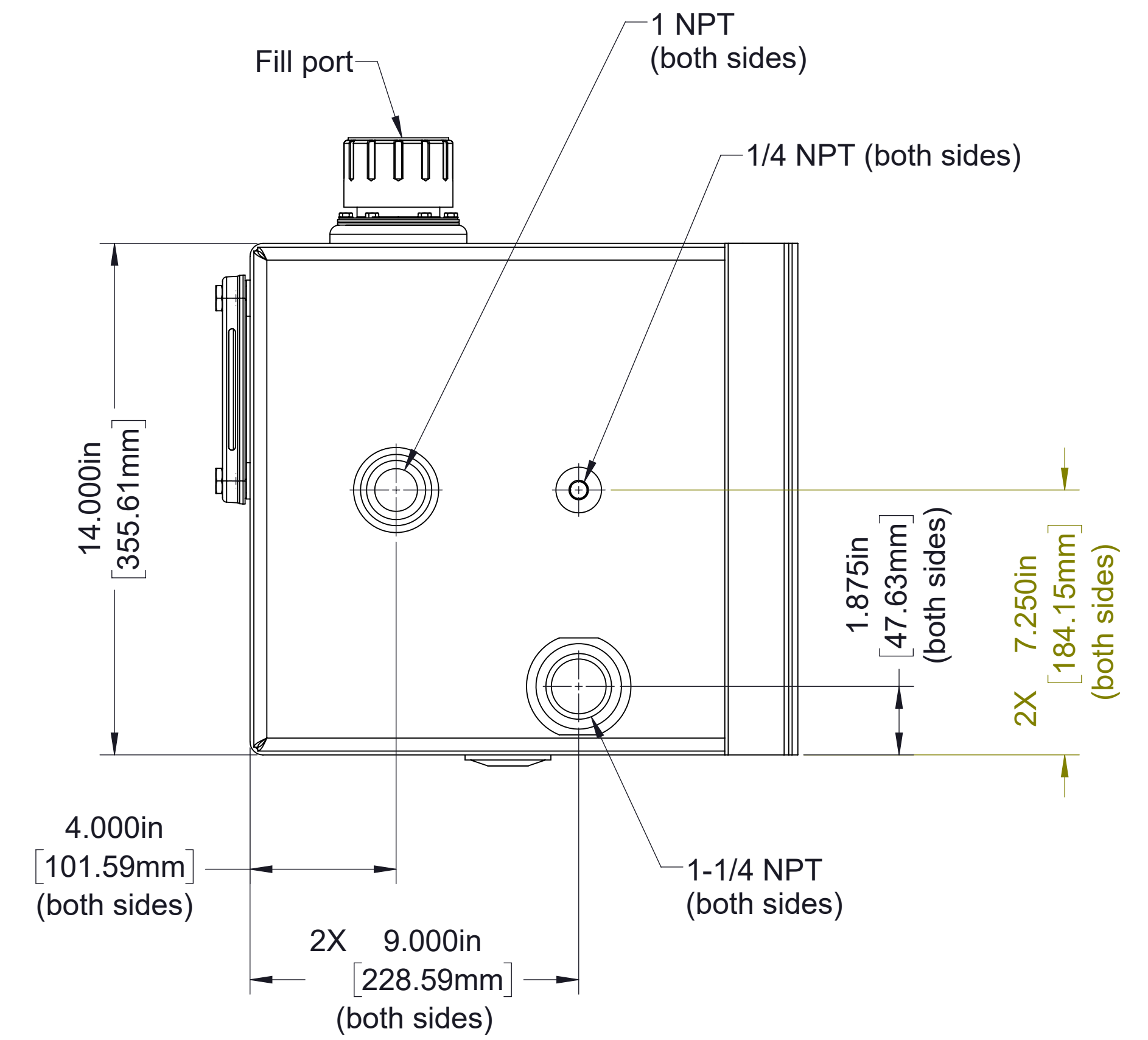
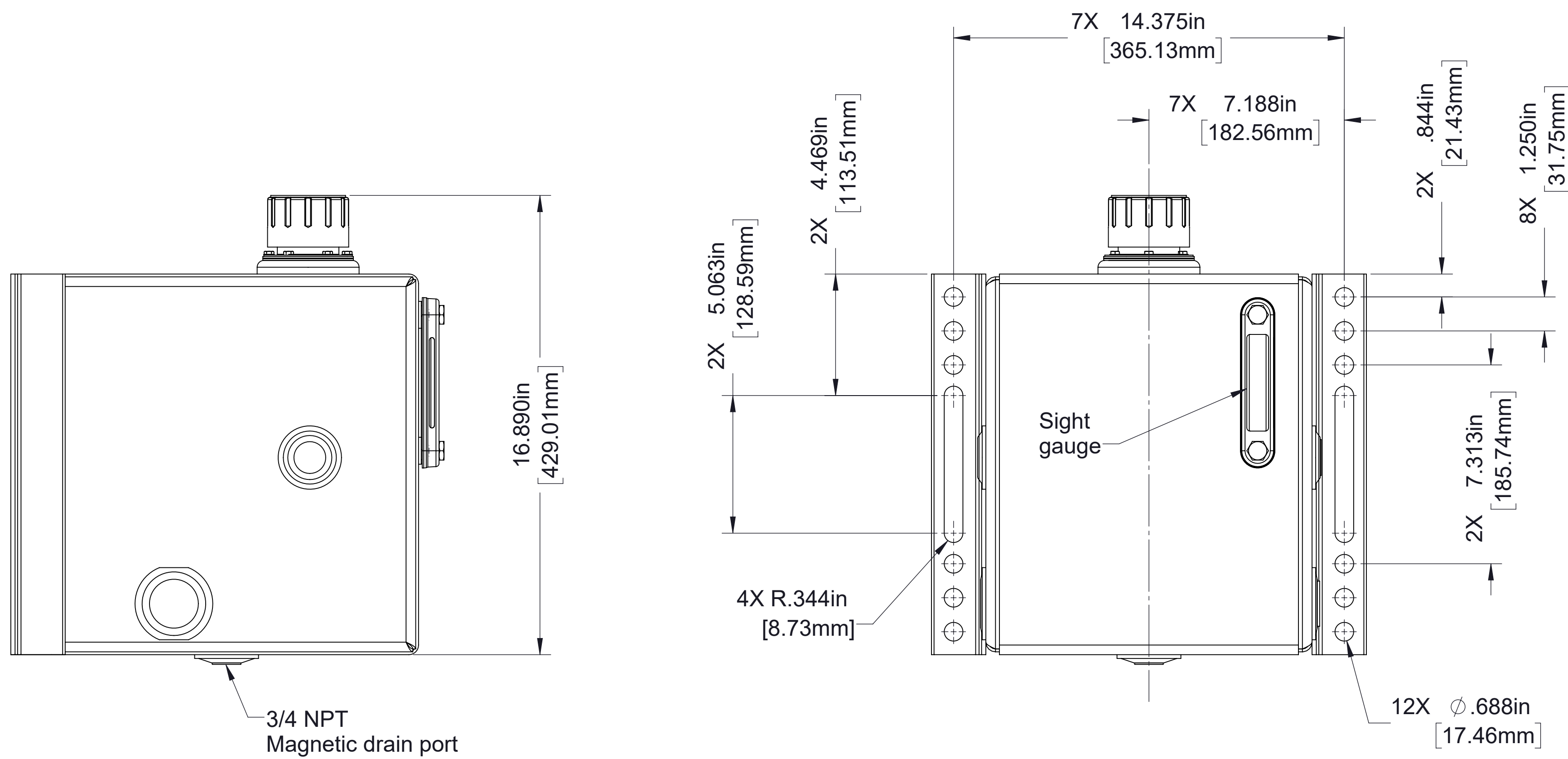
Note:
 1. Pump may be mounted in any orientation. The upper of the two No. 10 SAE ports to be connected to the L2 port on the hydraulic pump. The lower of the two ports will serve as the oil drain.



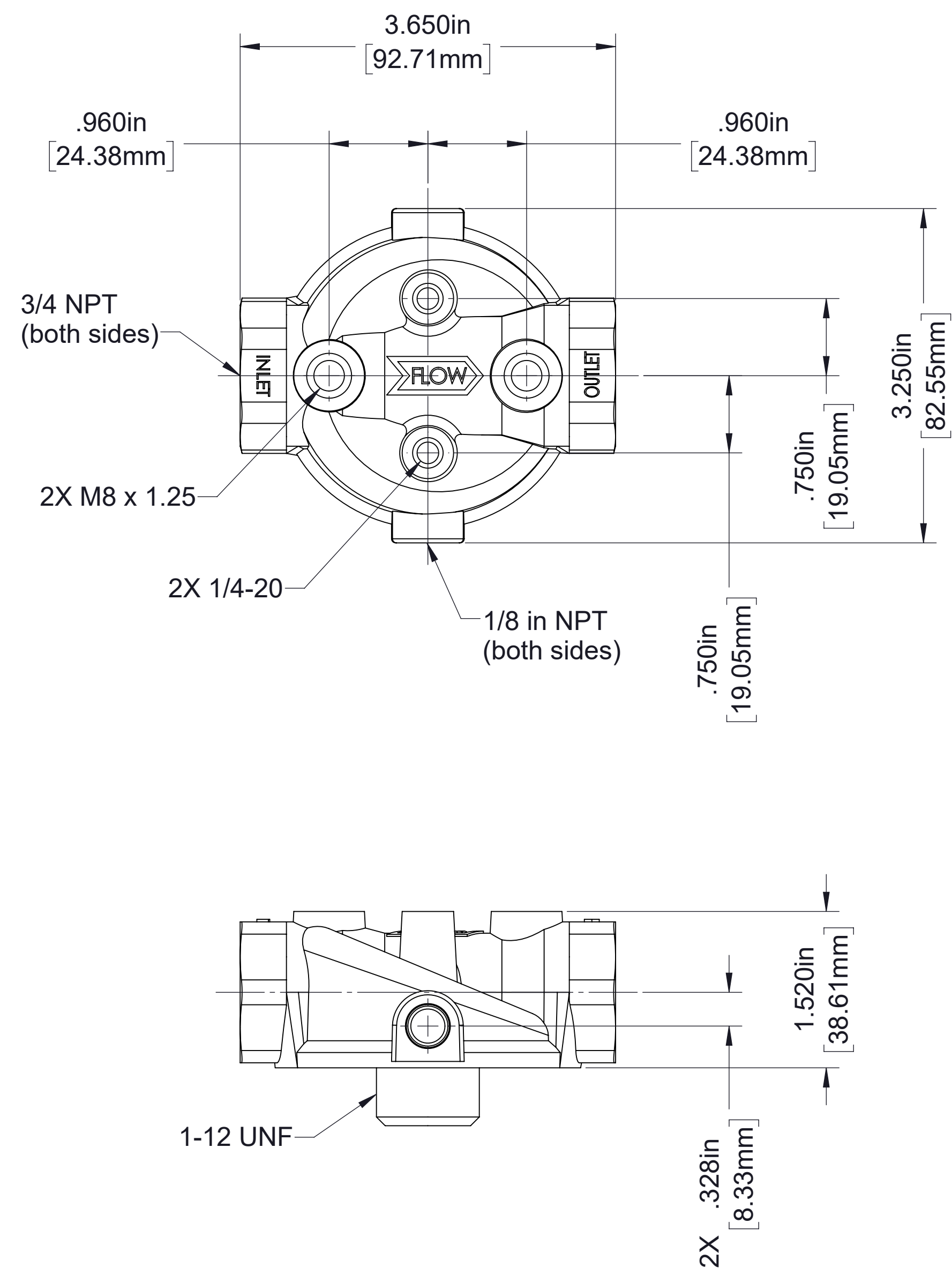
Temperature Transmitter
Part No. V 3887



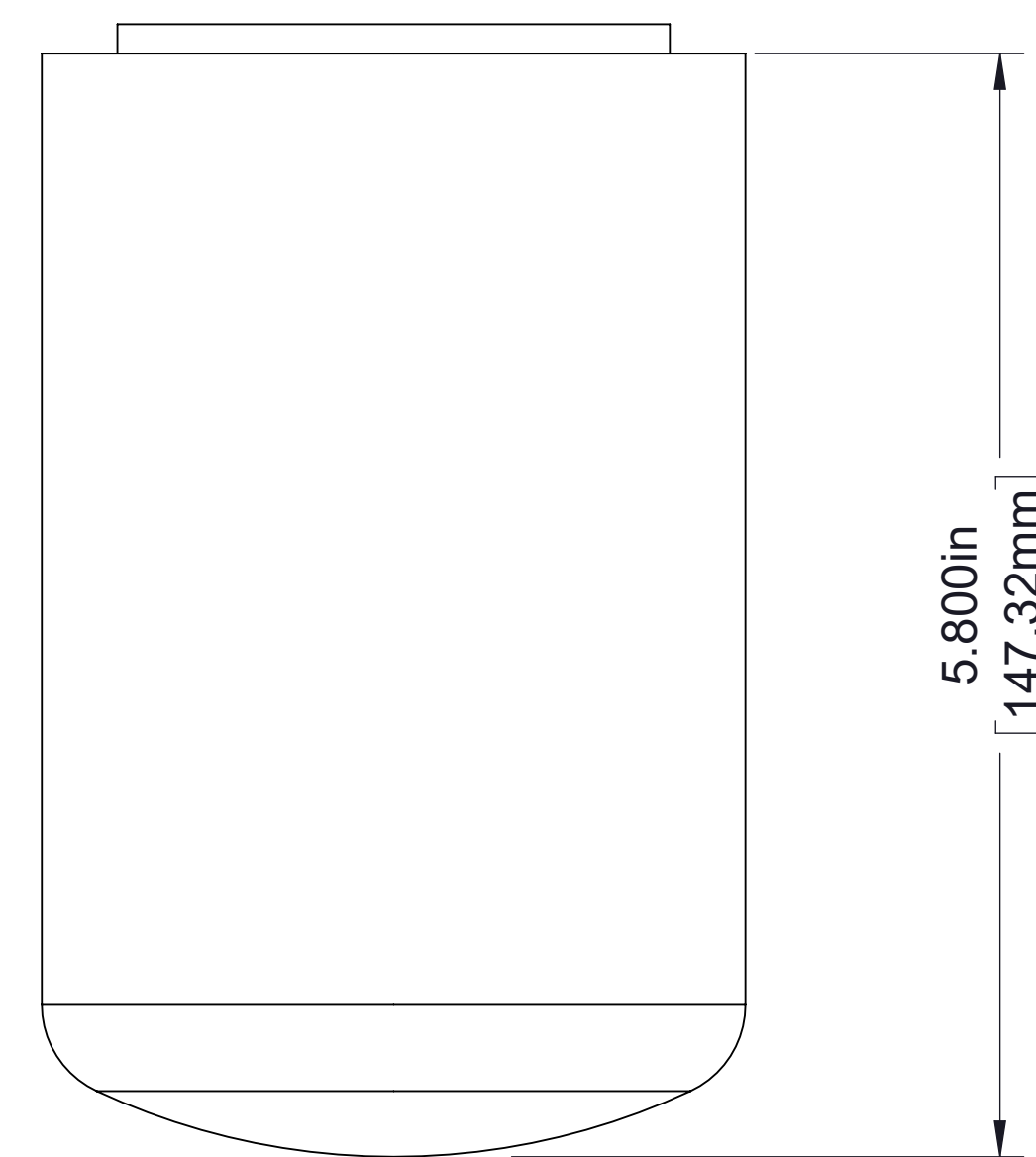
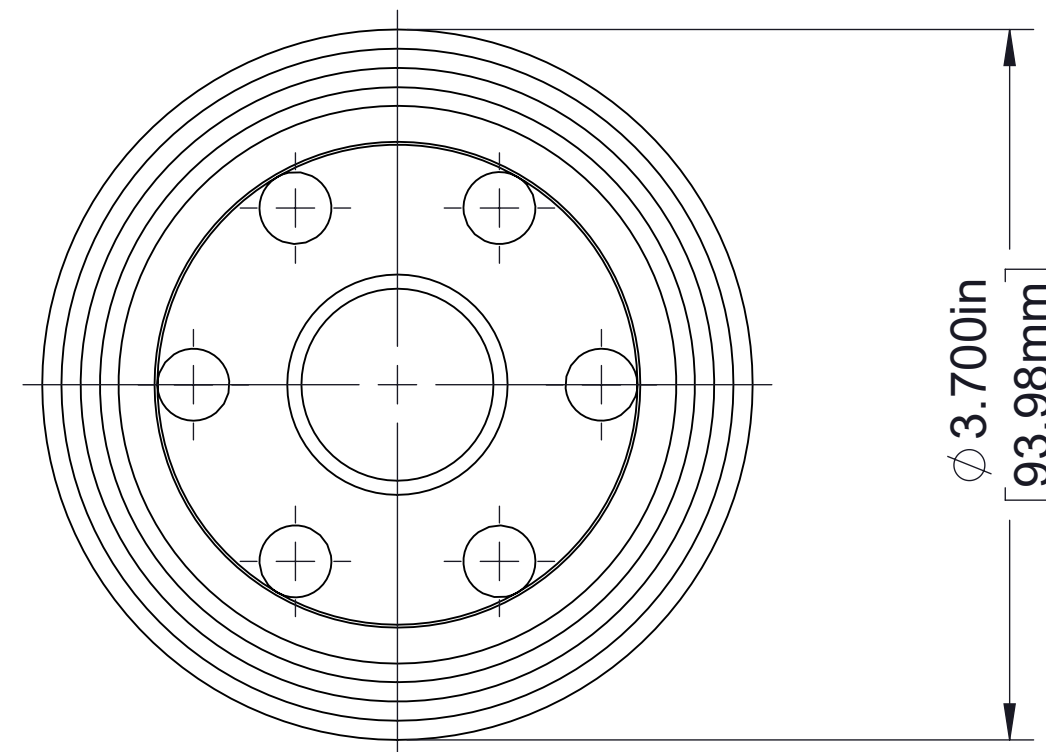
Level Sensor
Part No. 53473



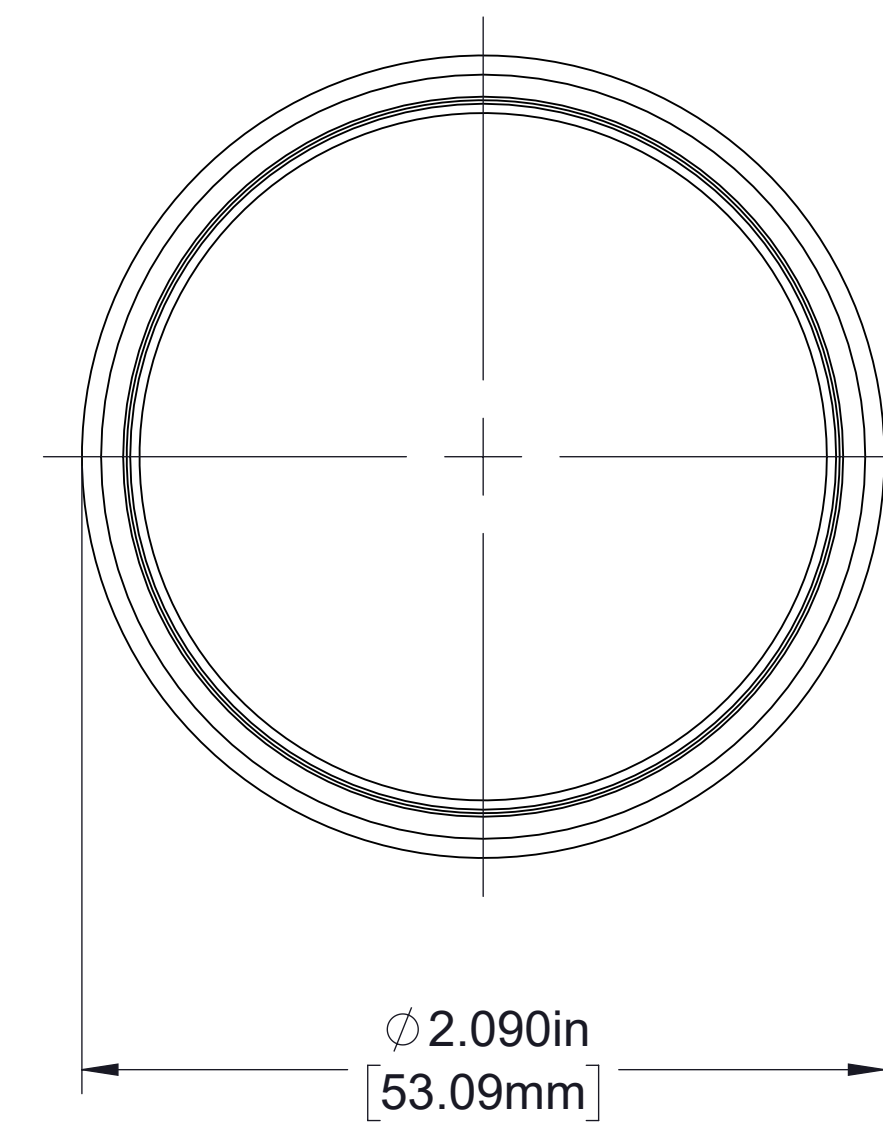
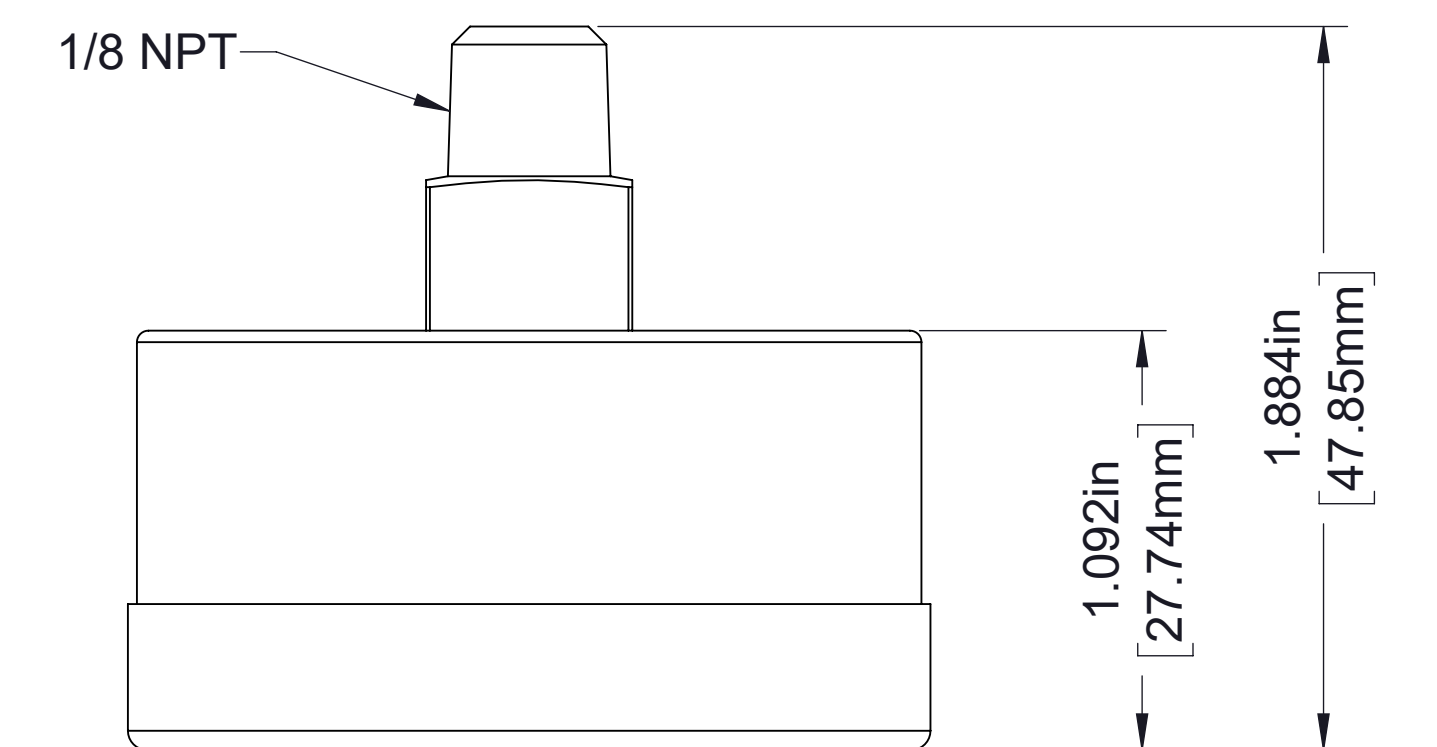
Oil Reservoir
Part No. V 4142
Capacity - 10 Gallons (13.8 liters)



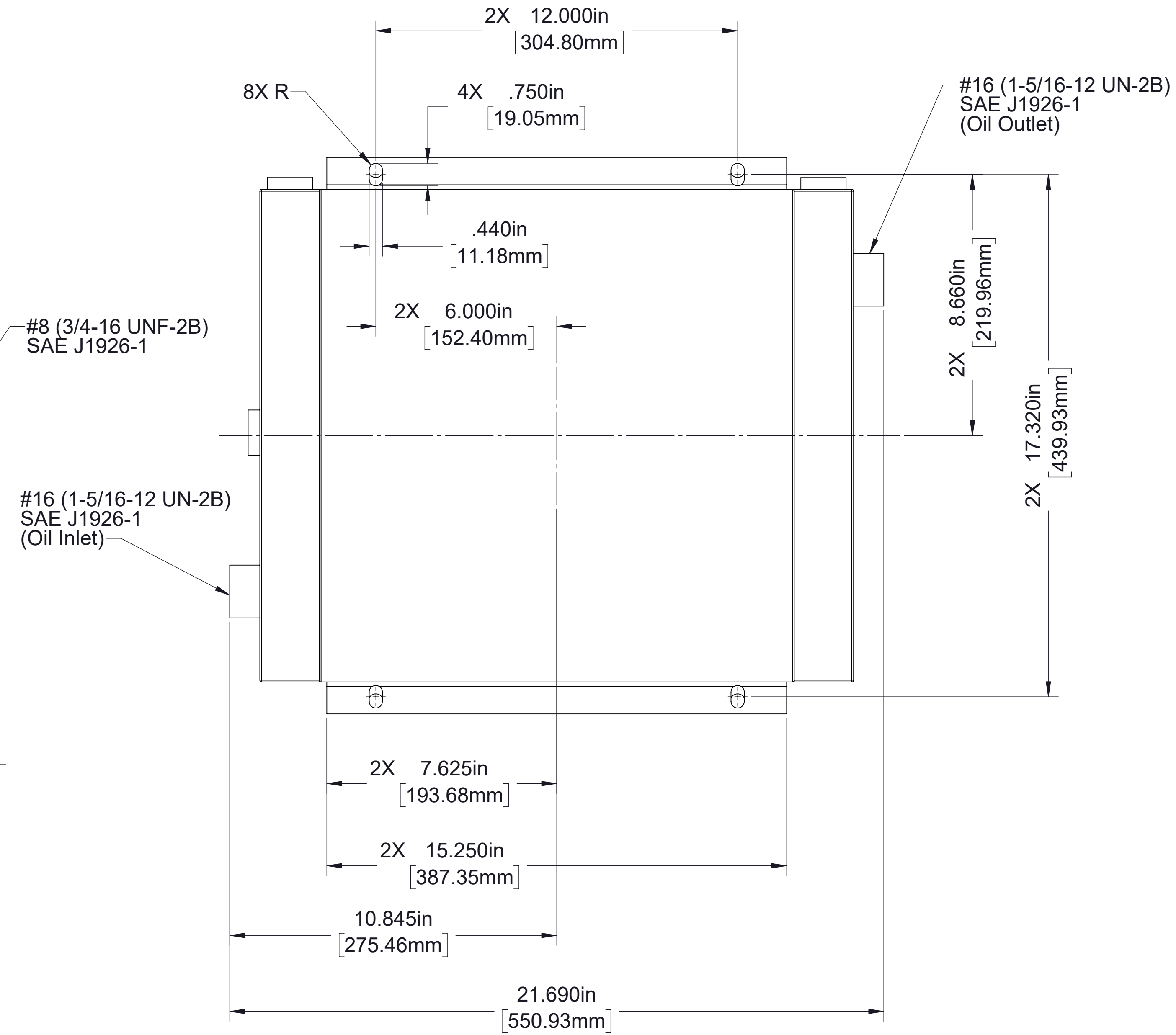
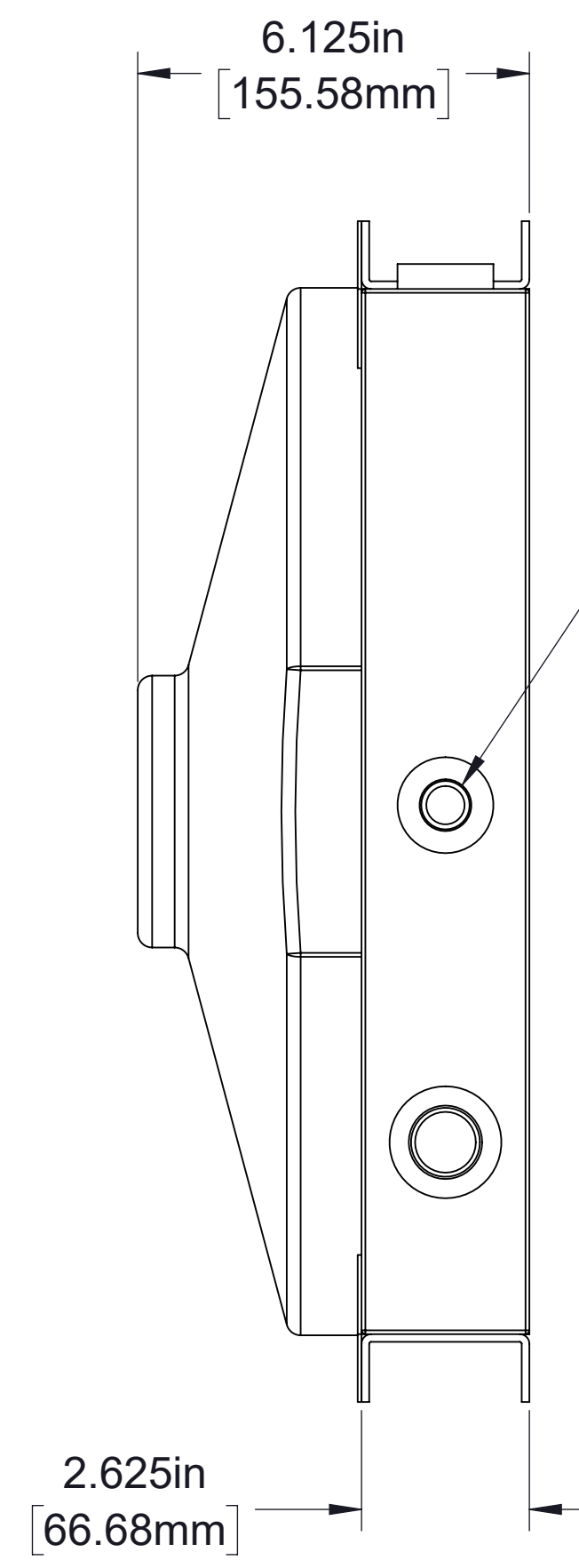
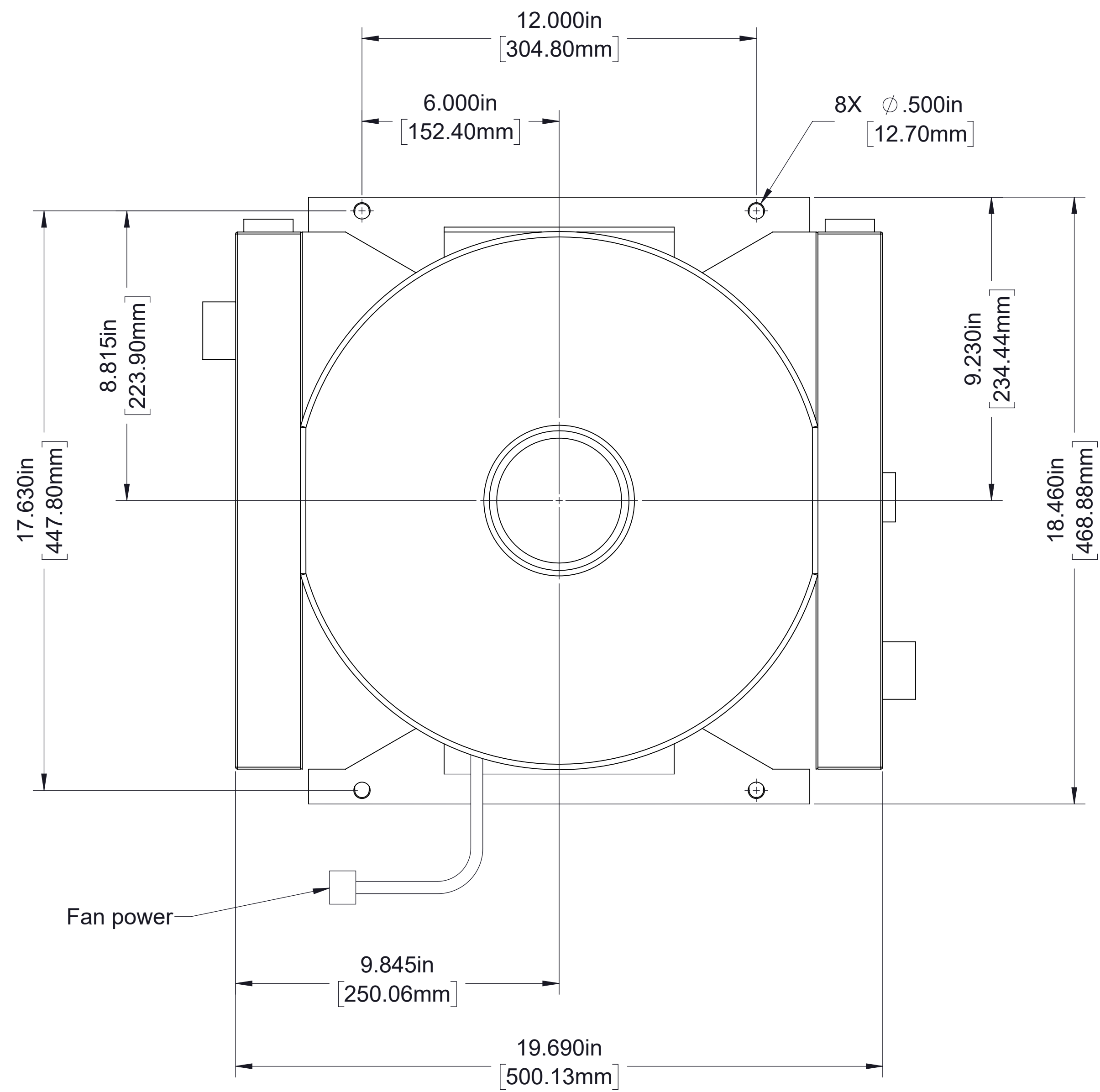
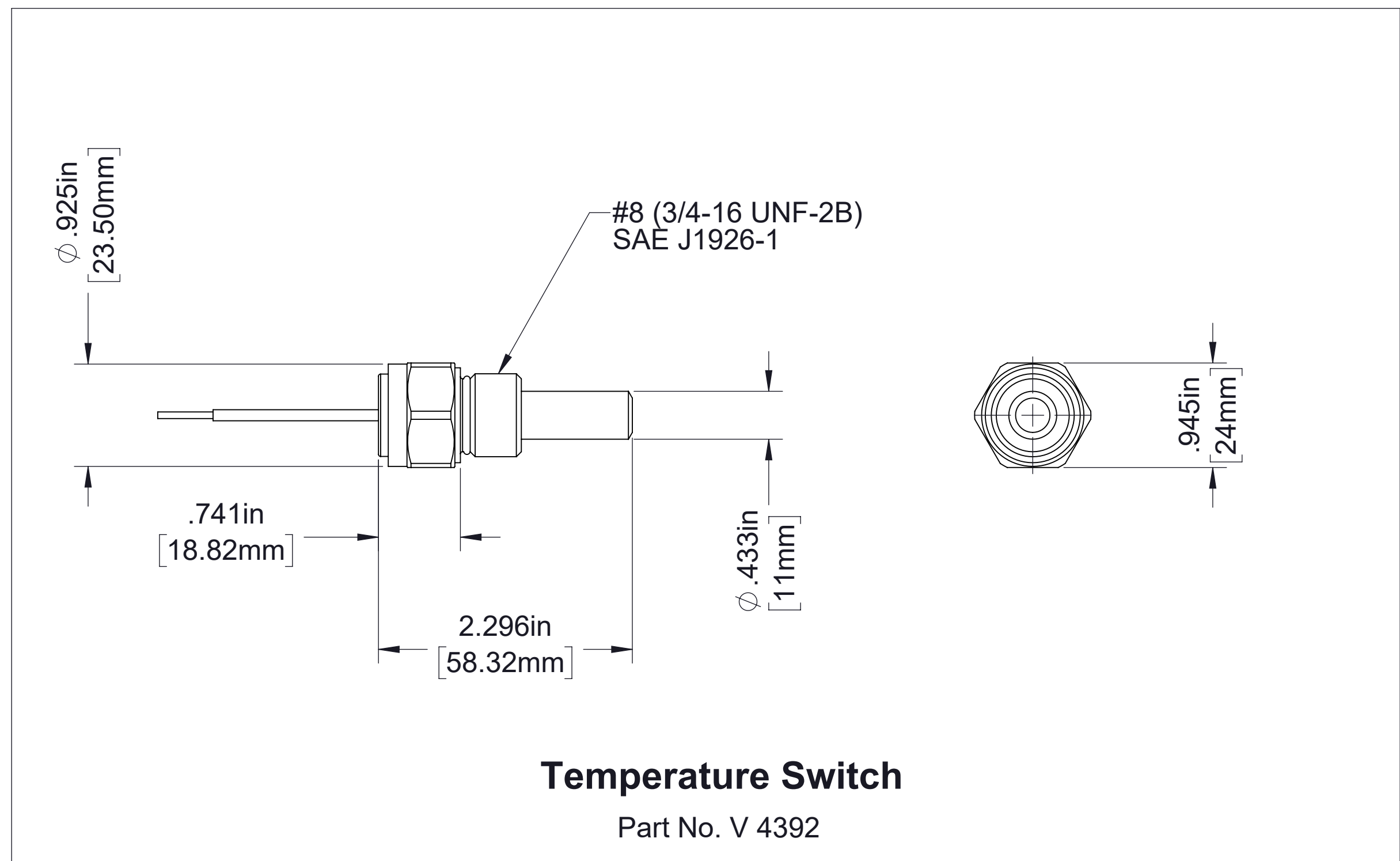
Filter Head
Part No. V 4146



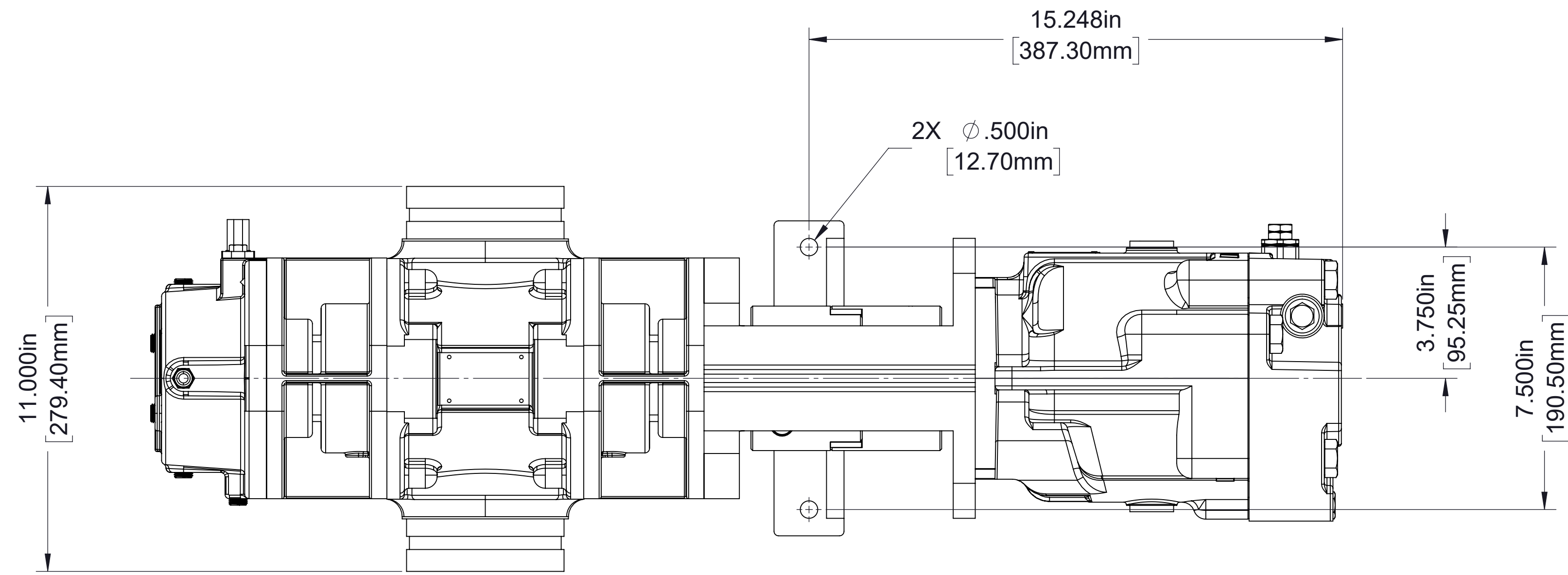
Oil Filter
Part No. V 4147



Oil Filter Life Indicator
Part No. V 4148

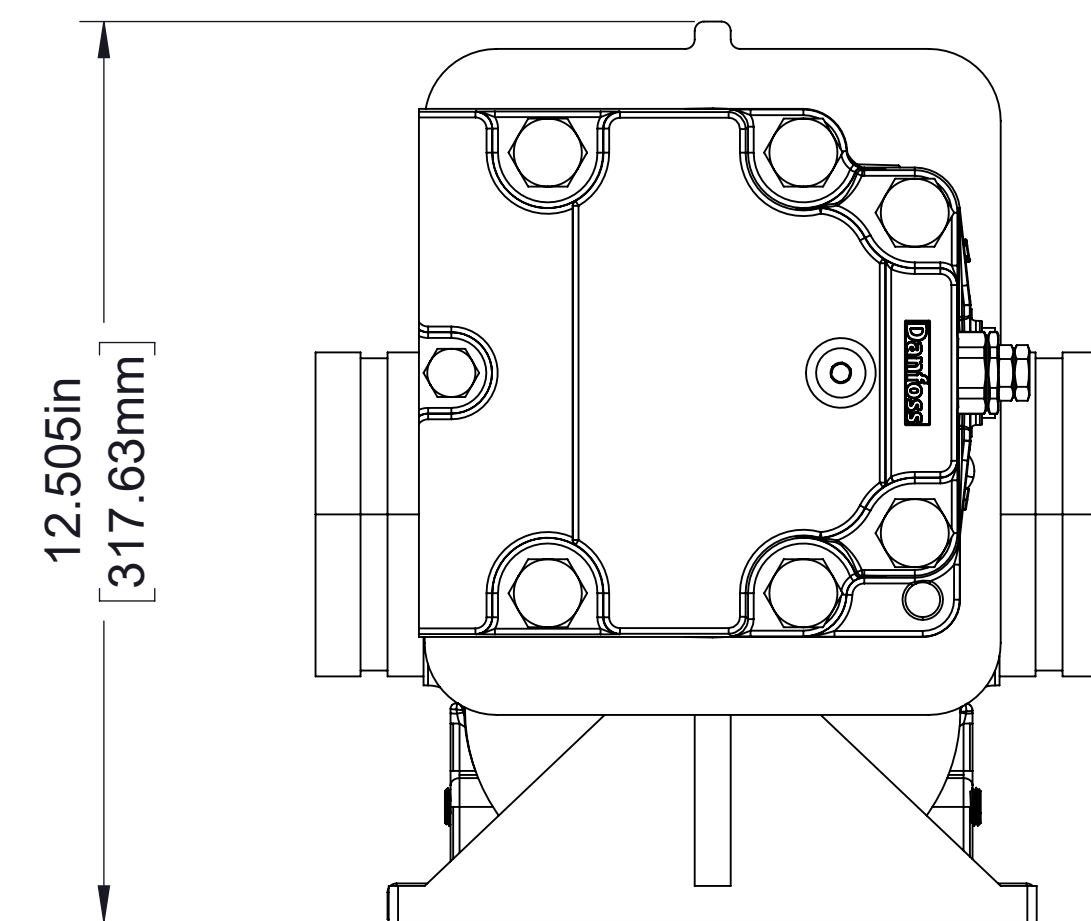
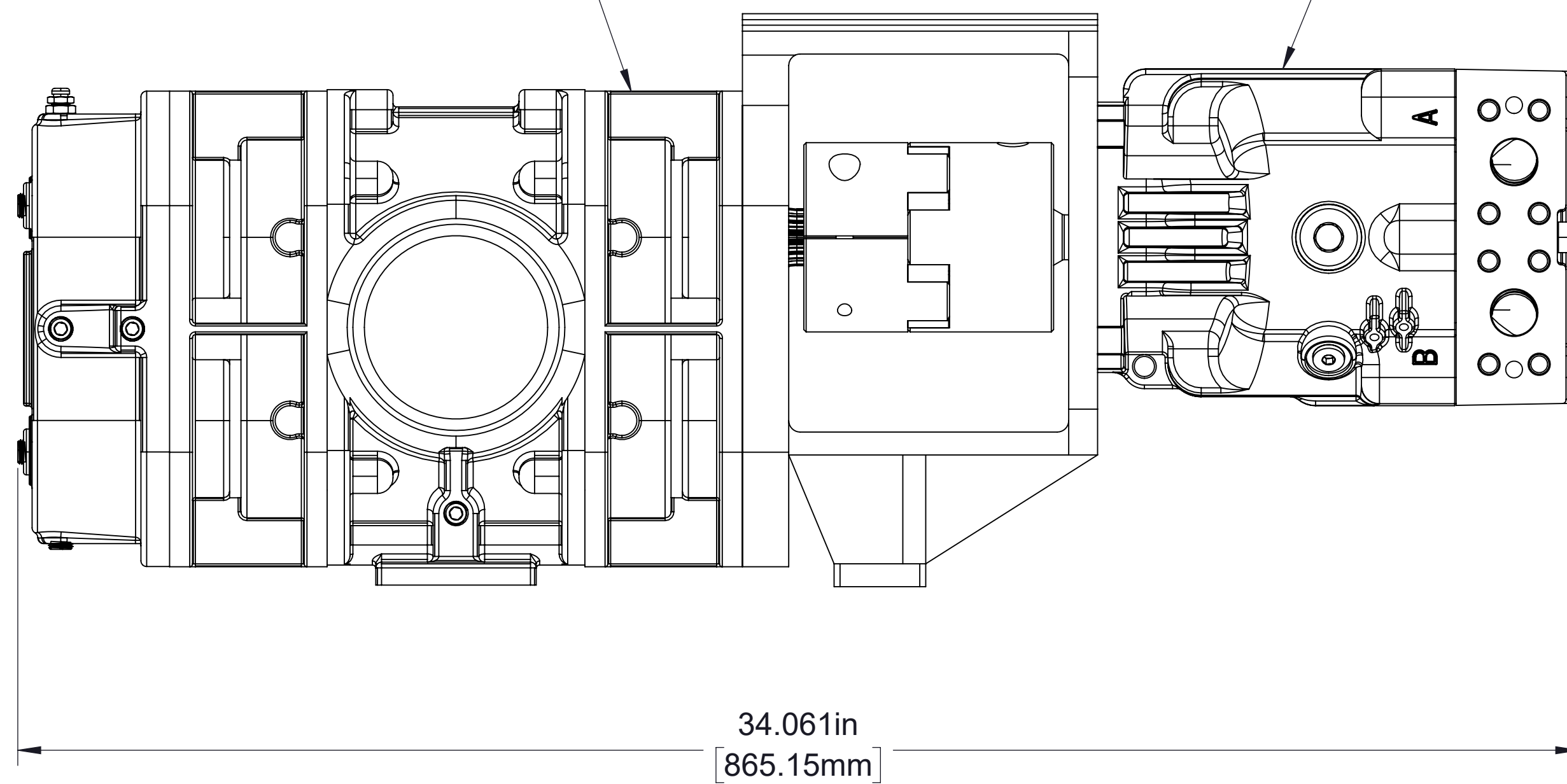


Heat Exchanger
Part No. V 4144

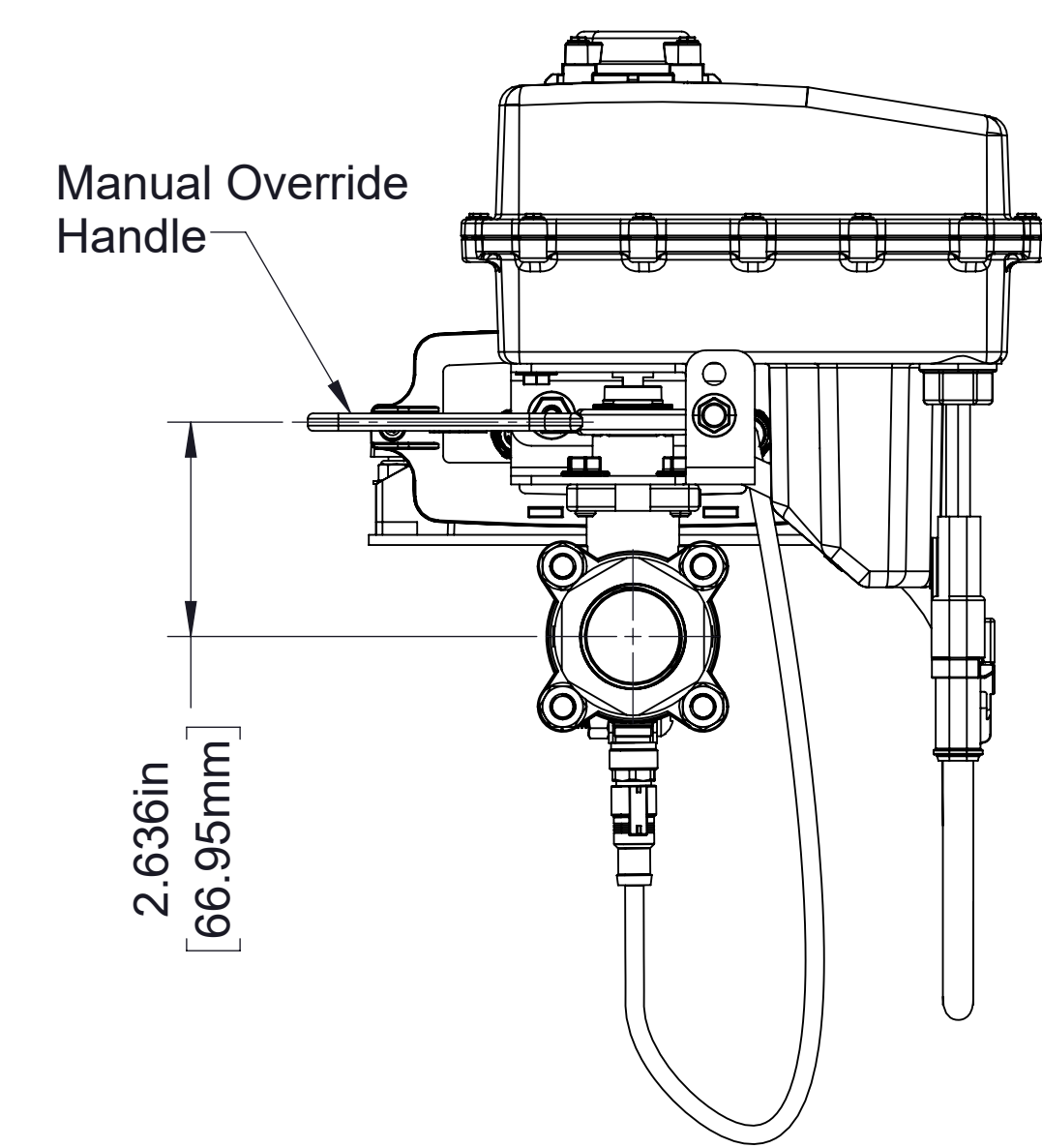
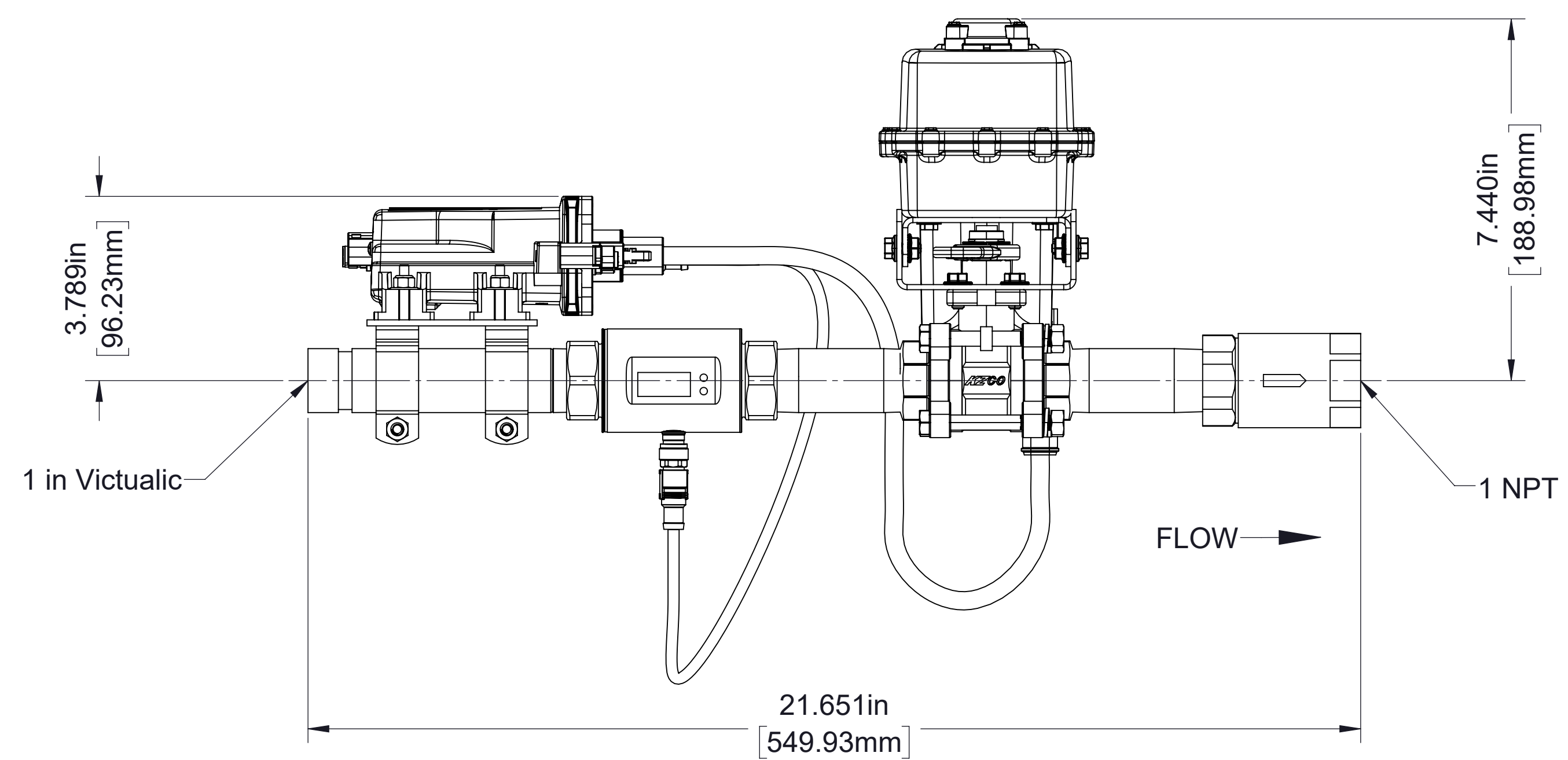
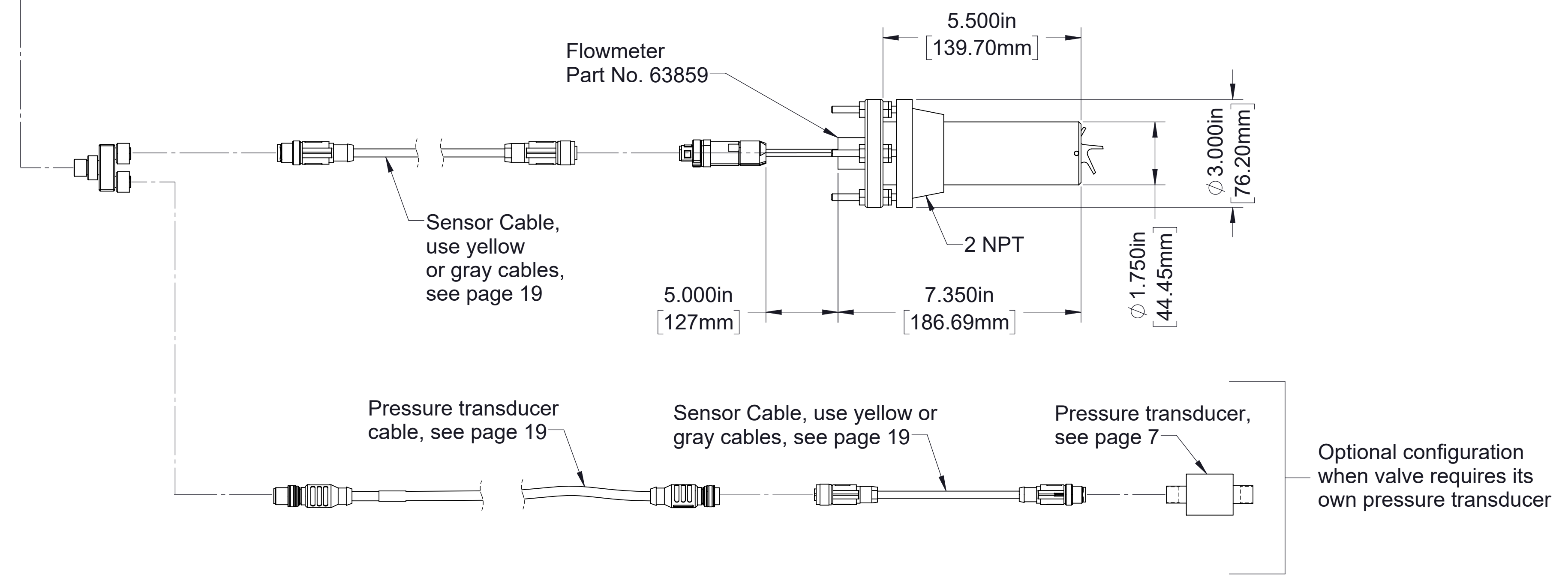
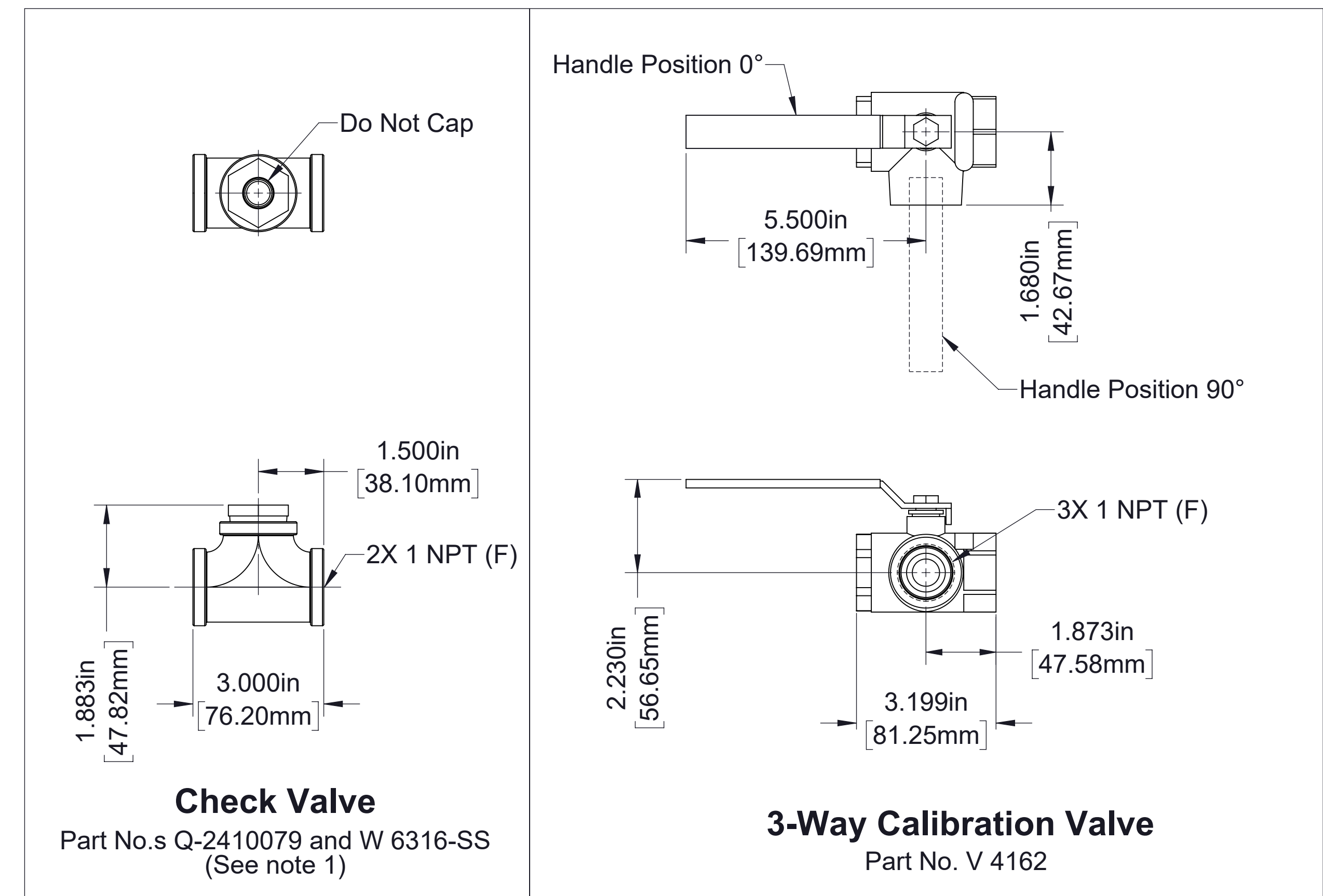
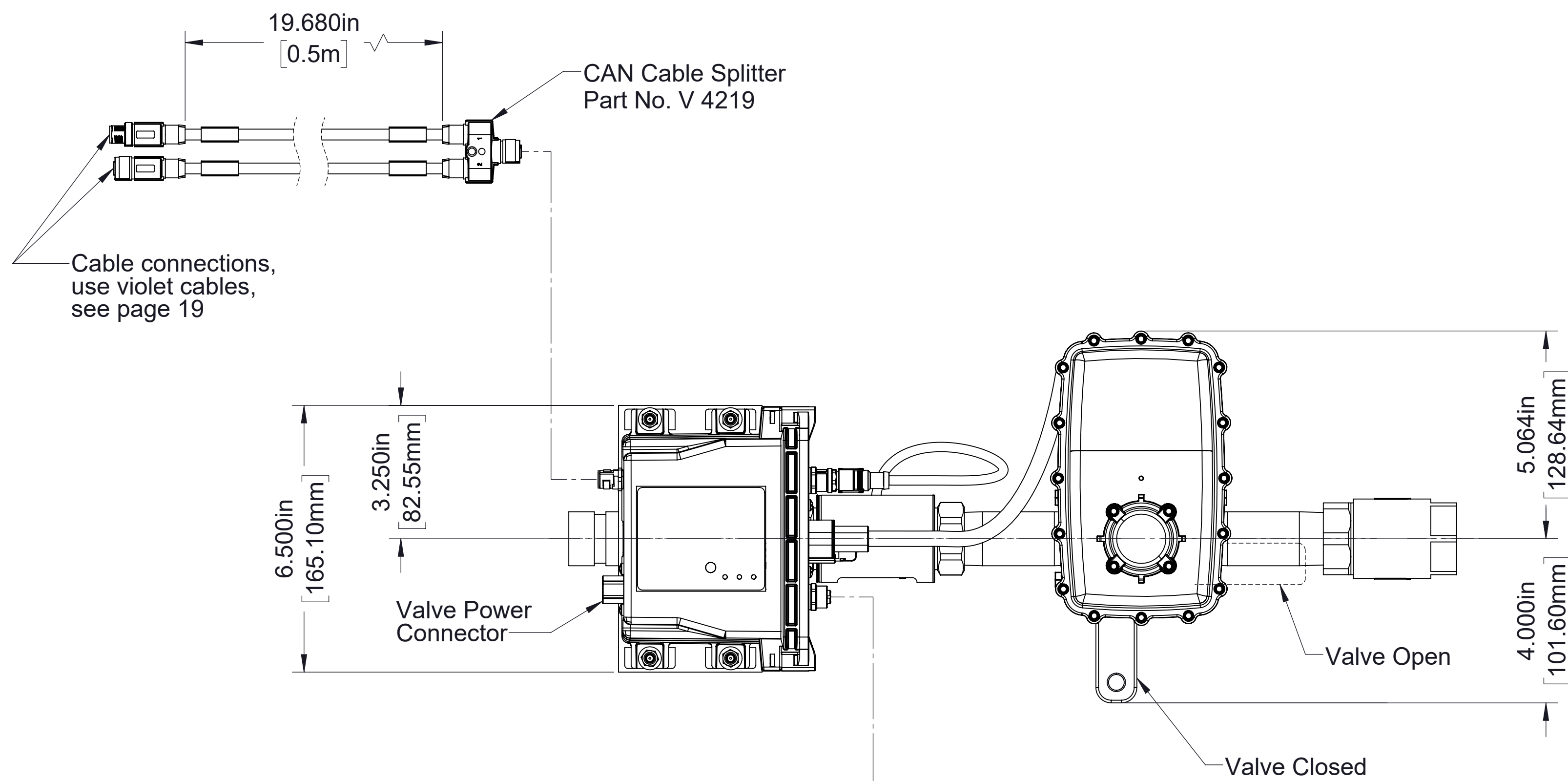


Foam Concentrate Pump
Part No. 83803
(See page 4 for dimensional views)

Hydraulic Motor
Part No. V 4141
(See page 6 for dimensional views)

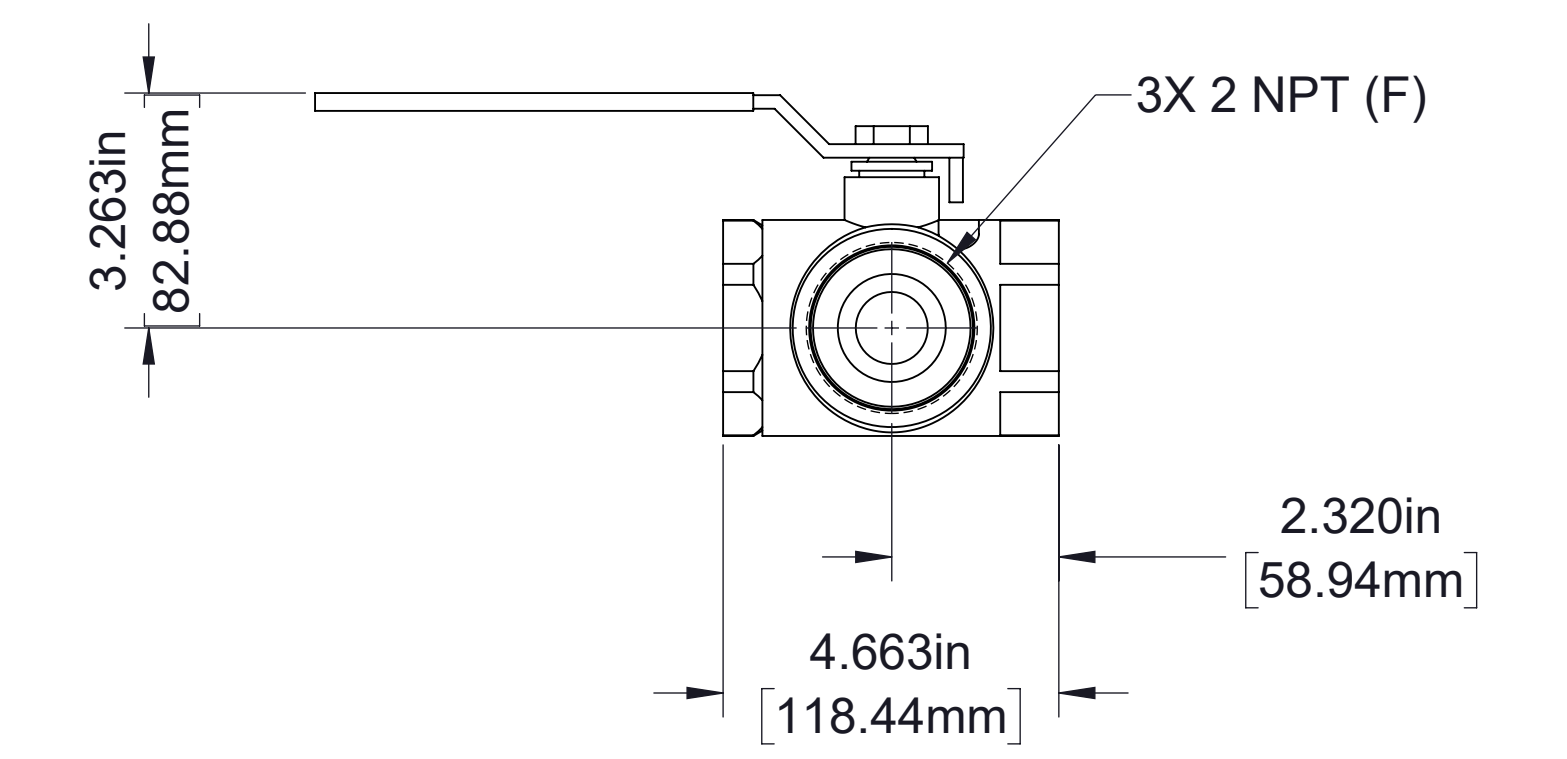
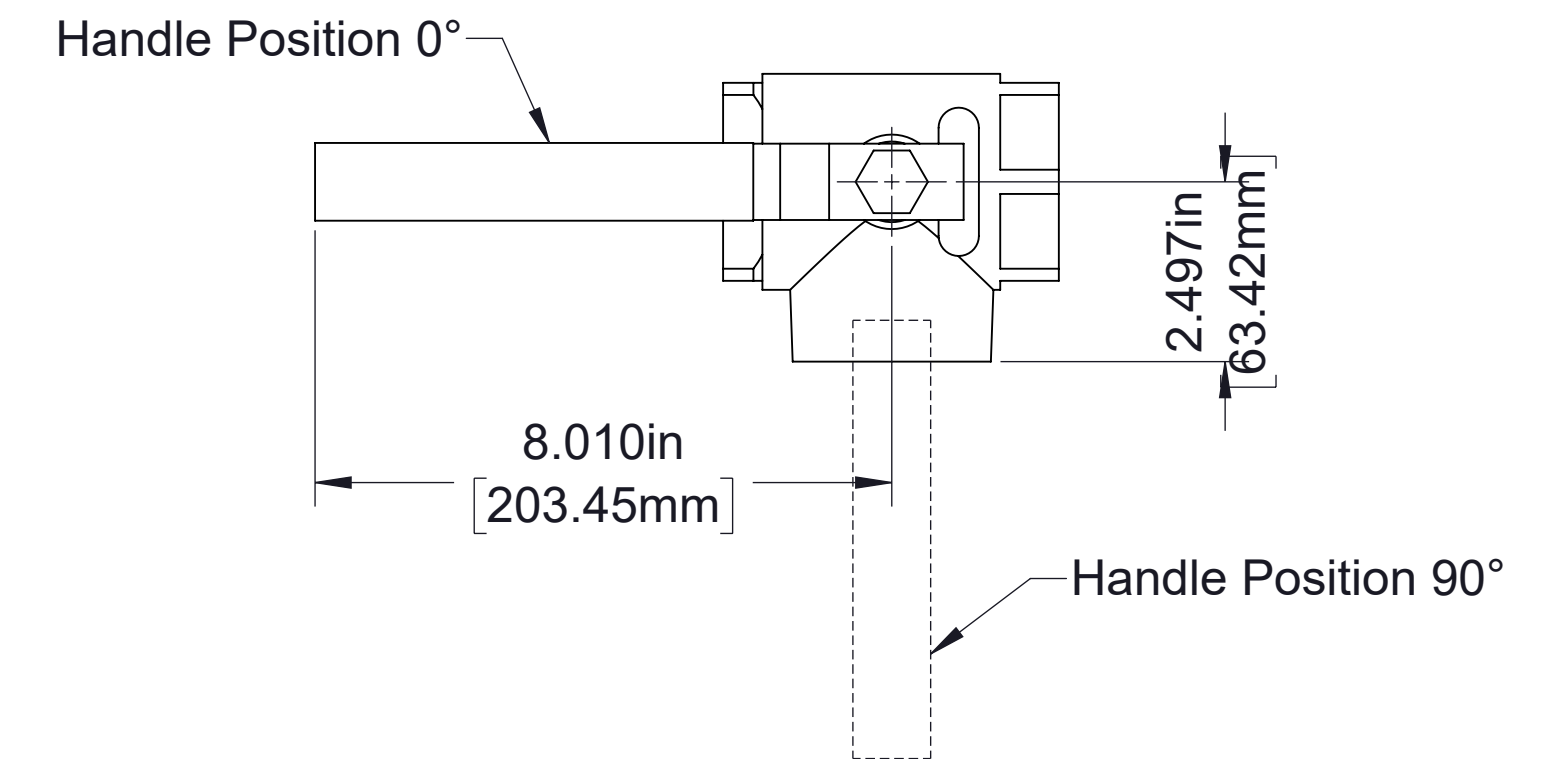
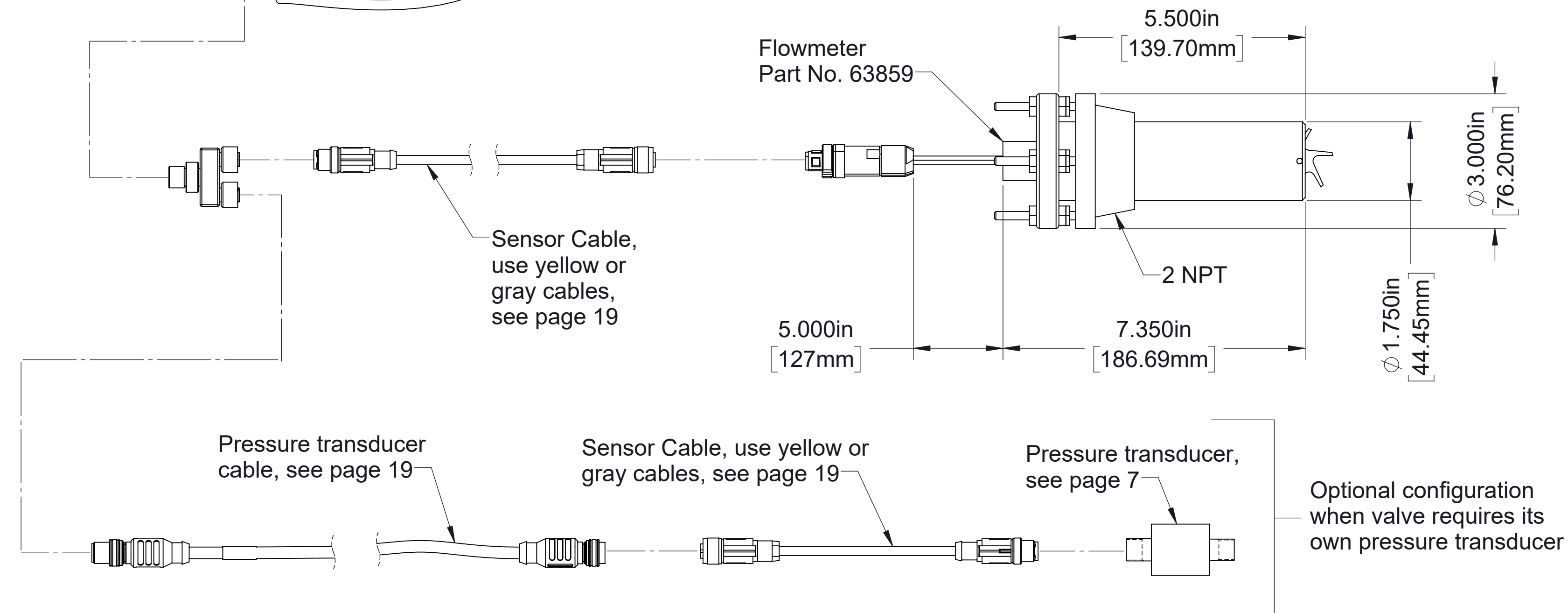
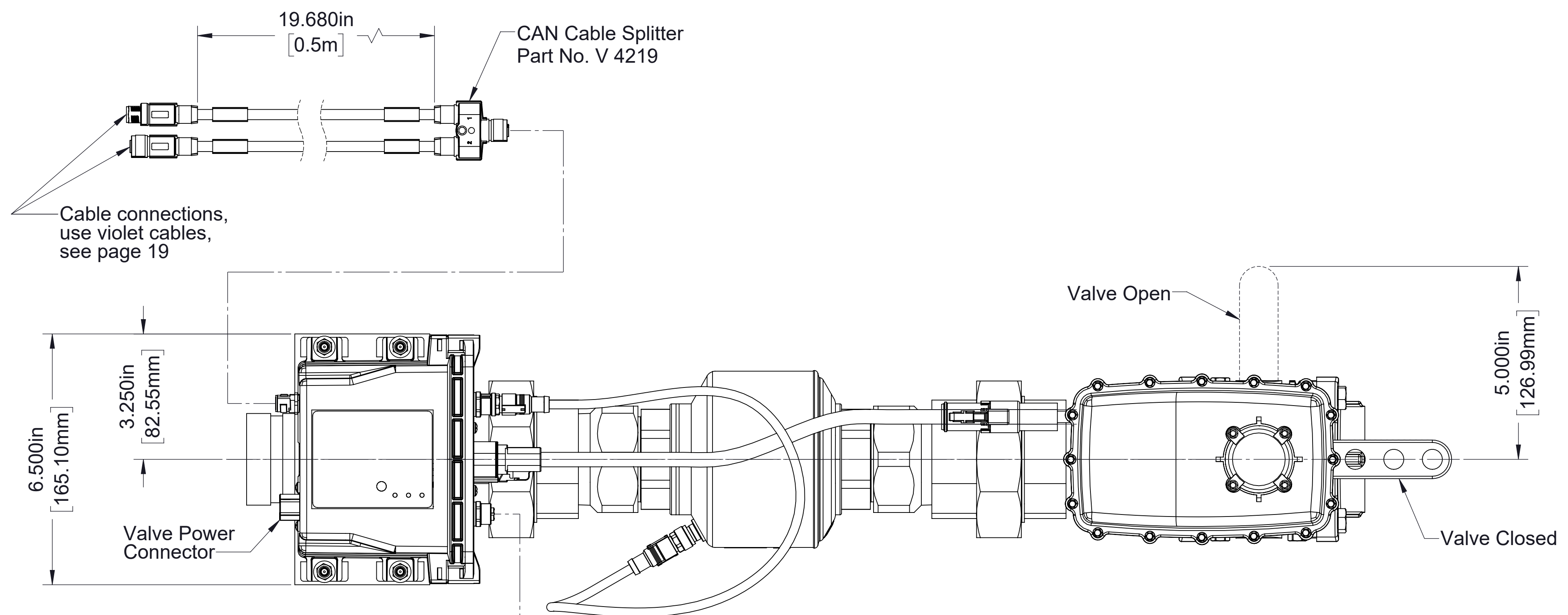


Foam Concentrate Pump and Hydraulic Motor

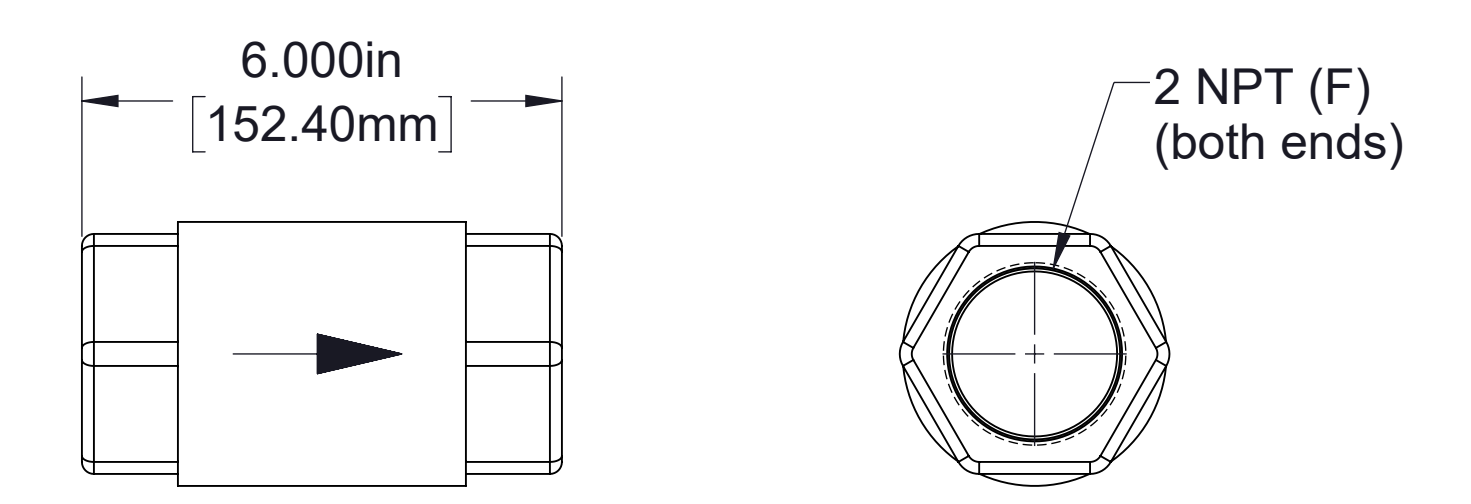


Note:
1. Check valve used for draining foam lines. Must be located close to the discharge valve and/or as high as possible.

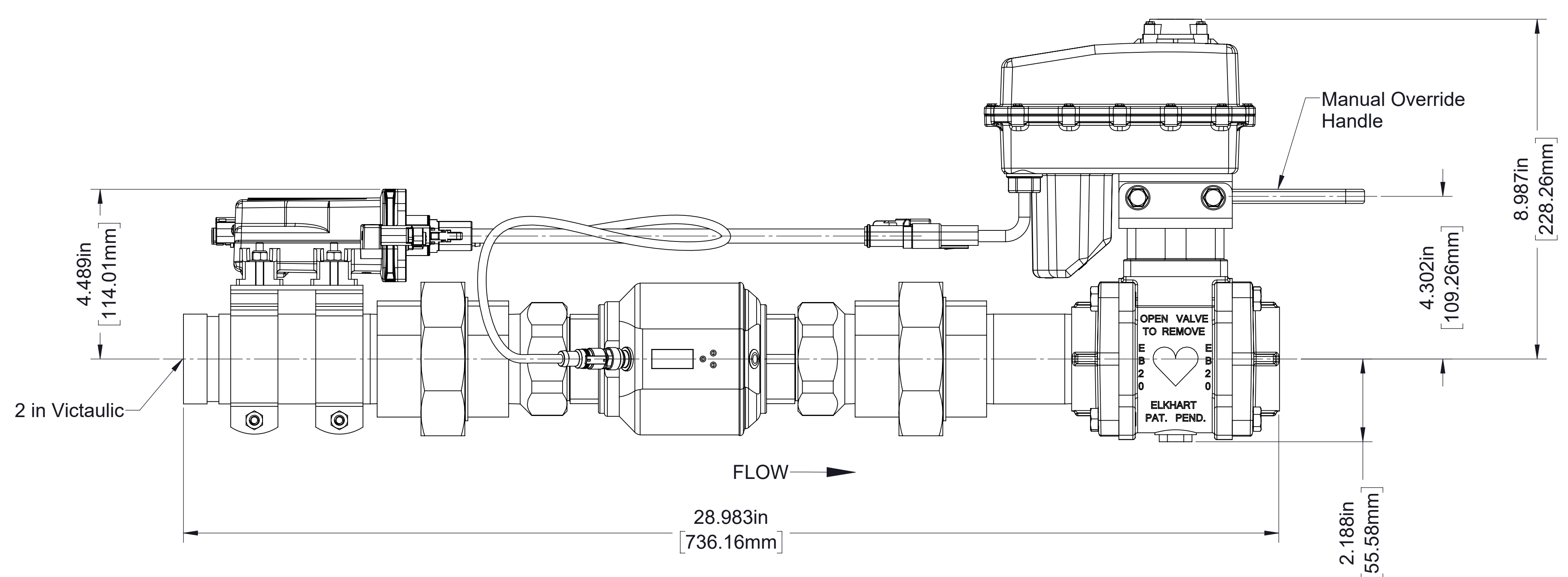
1 in Discharge Line Assembly
Part No. 9463



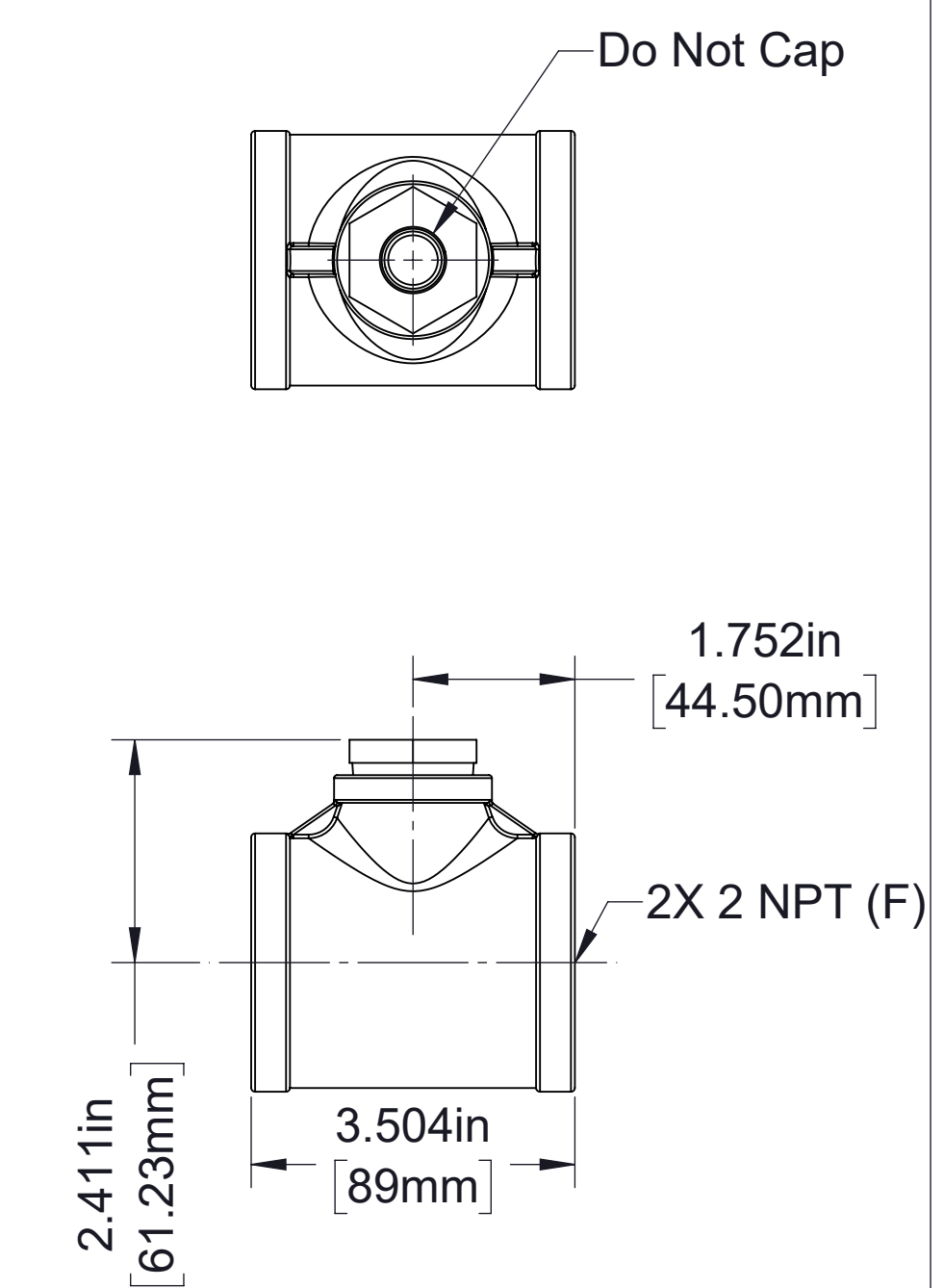
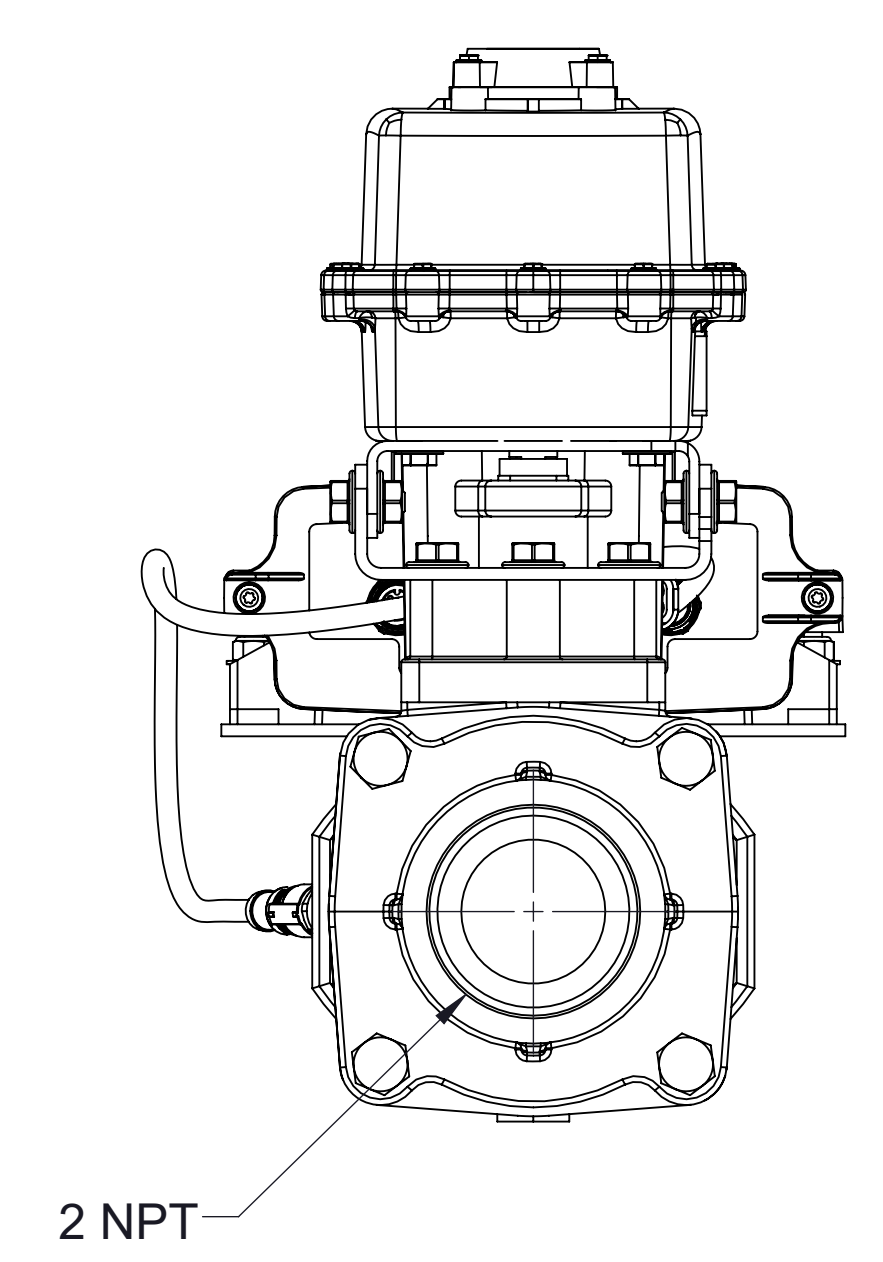
3-Way Calibration Valve
Part No. V 4163



2 in In-line Check Valve
Part No. Q-2410050

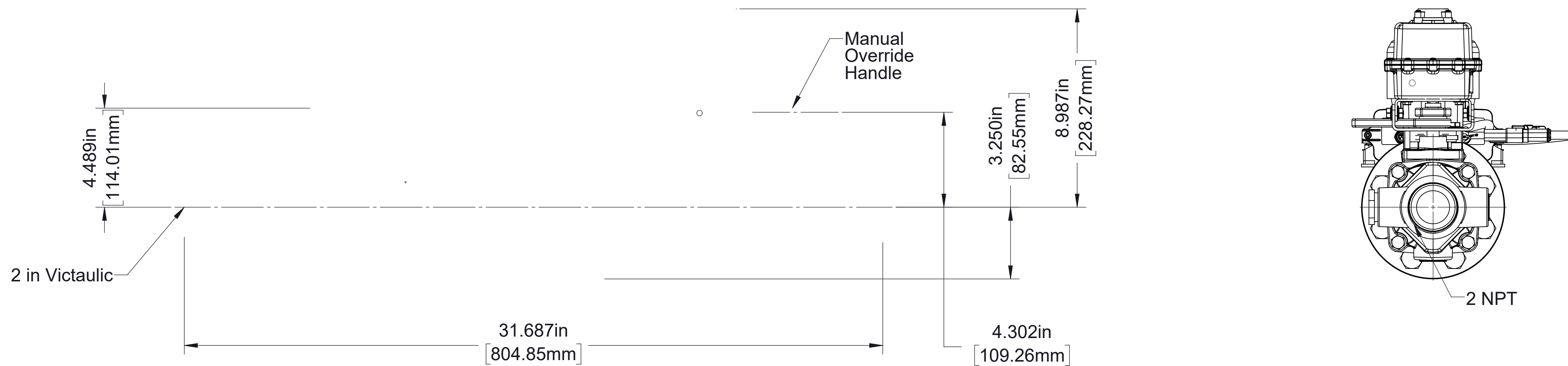
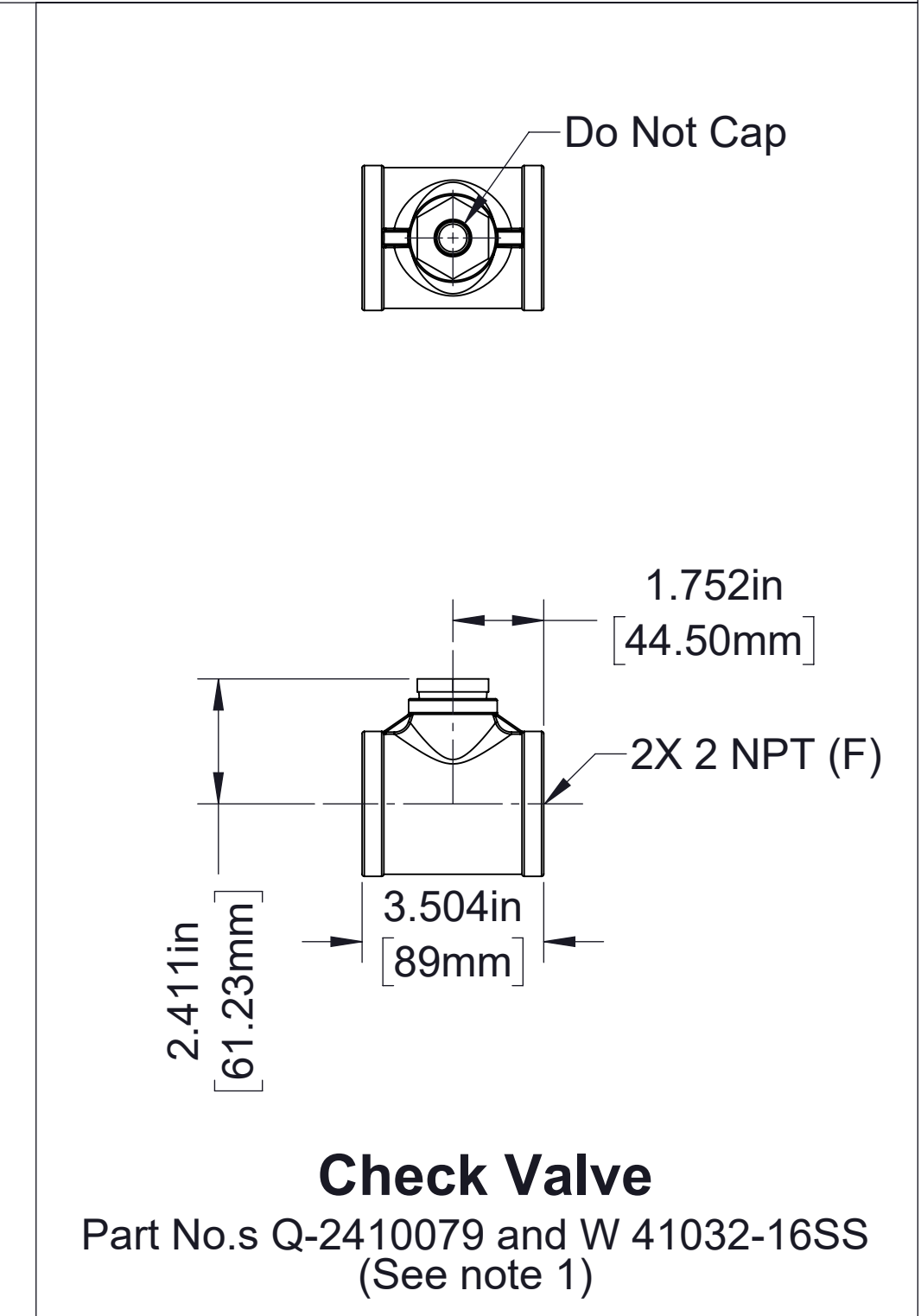
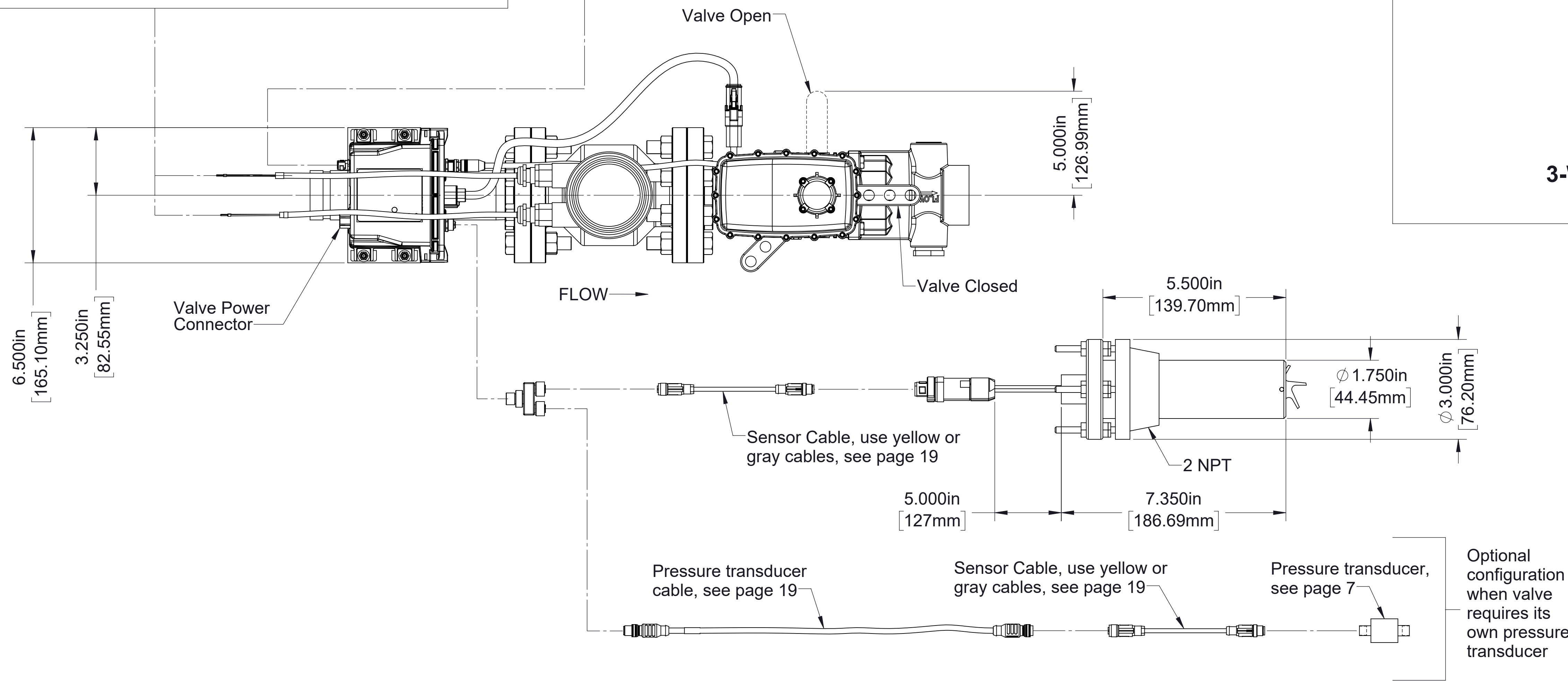
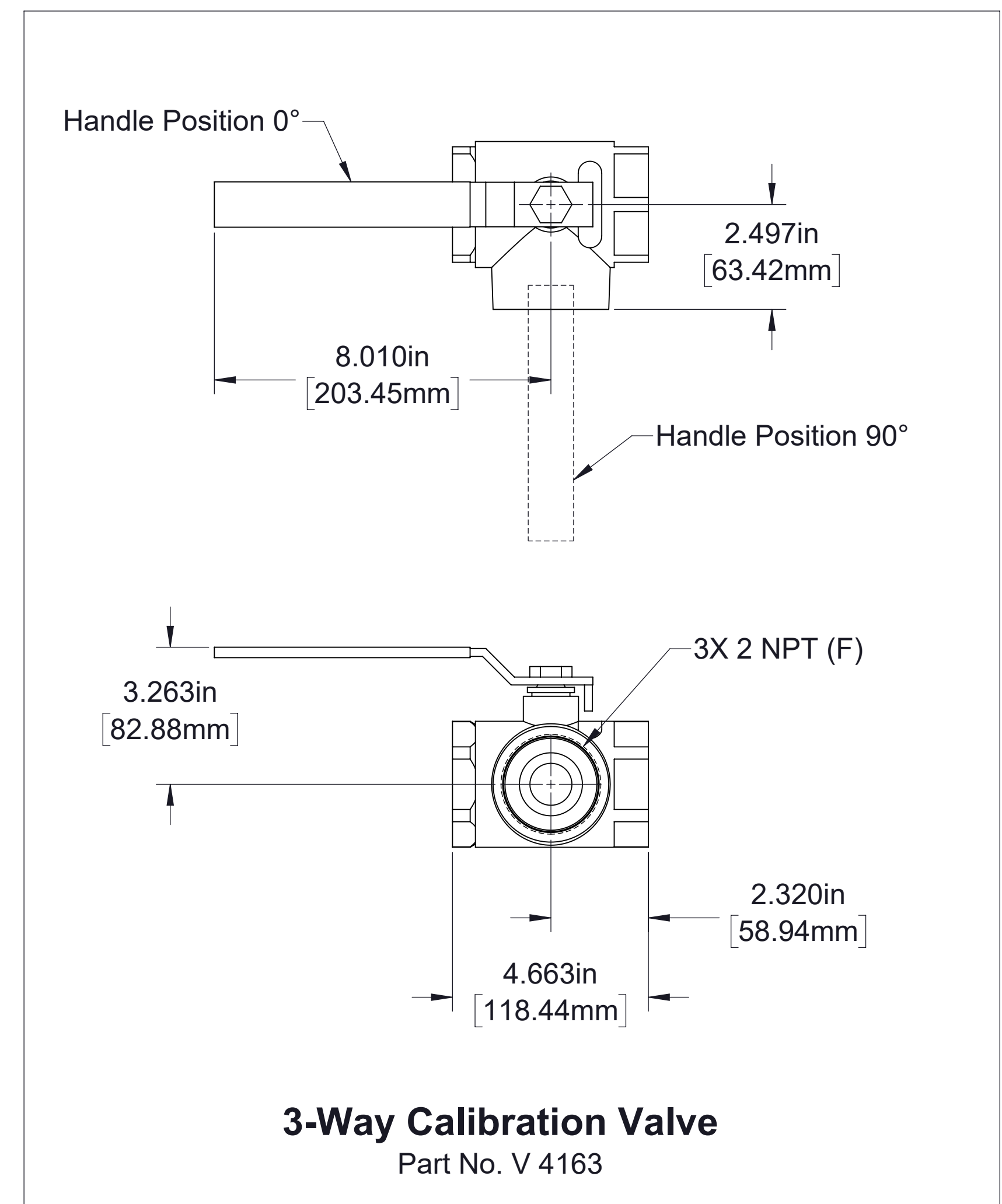
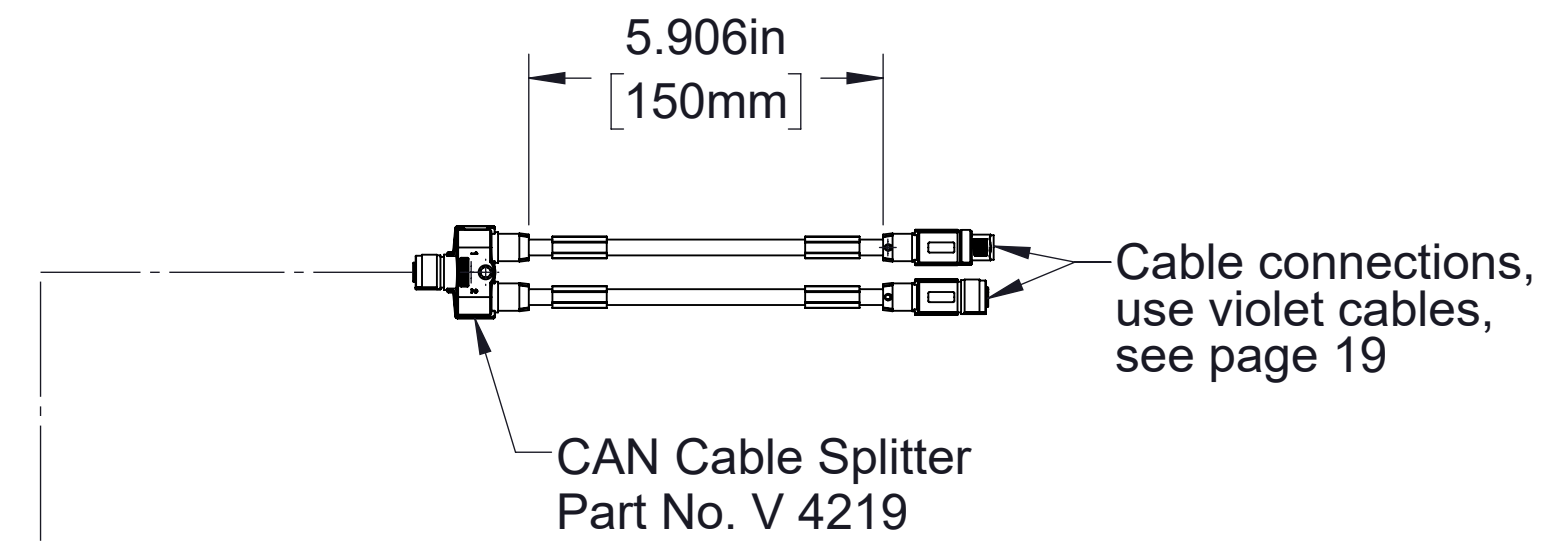
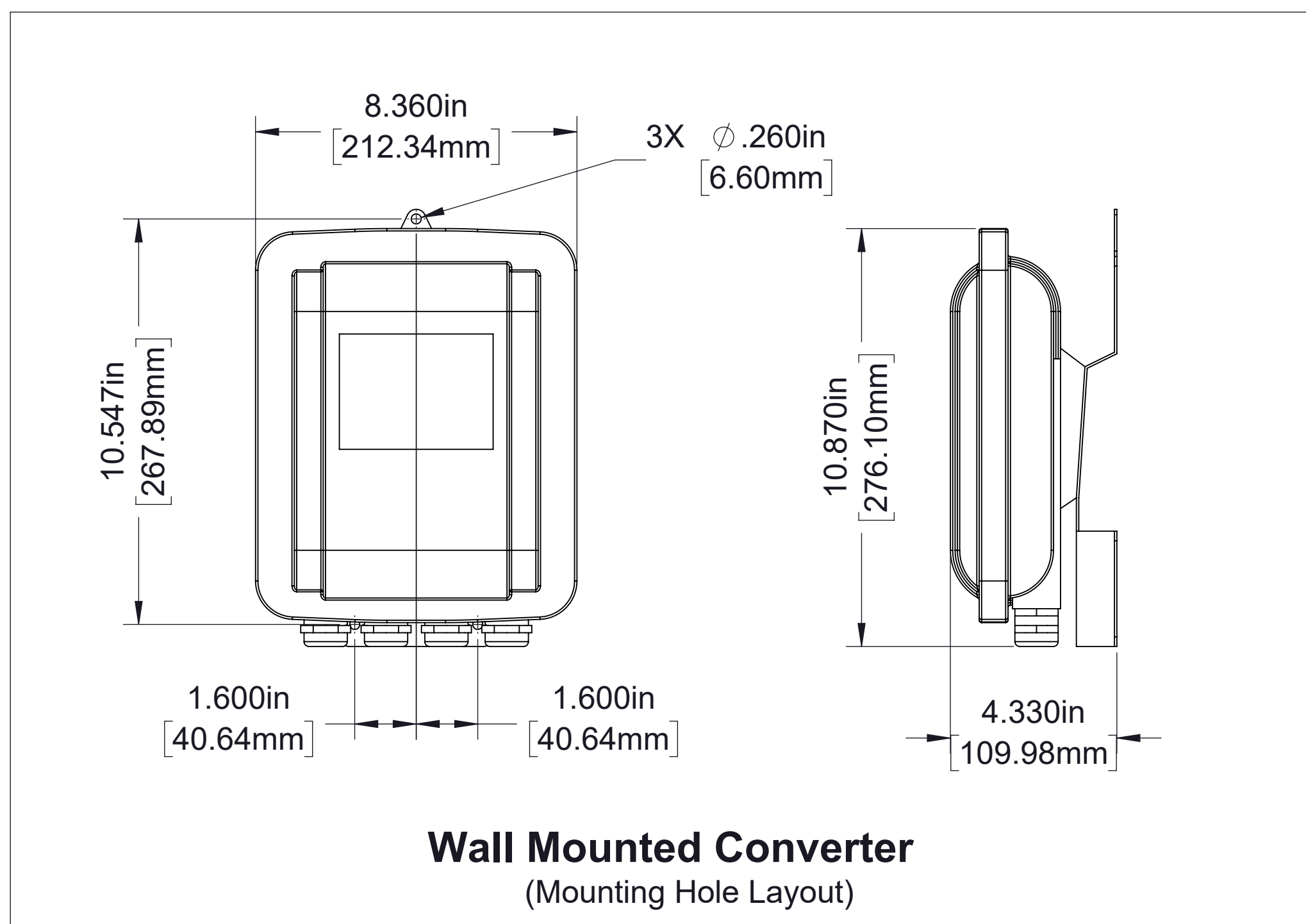


2 in Discharge Line Assembly, 237 GPM
Part No. 9470-1



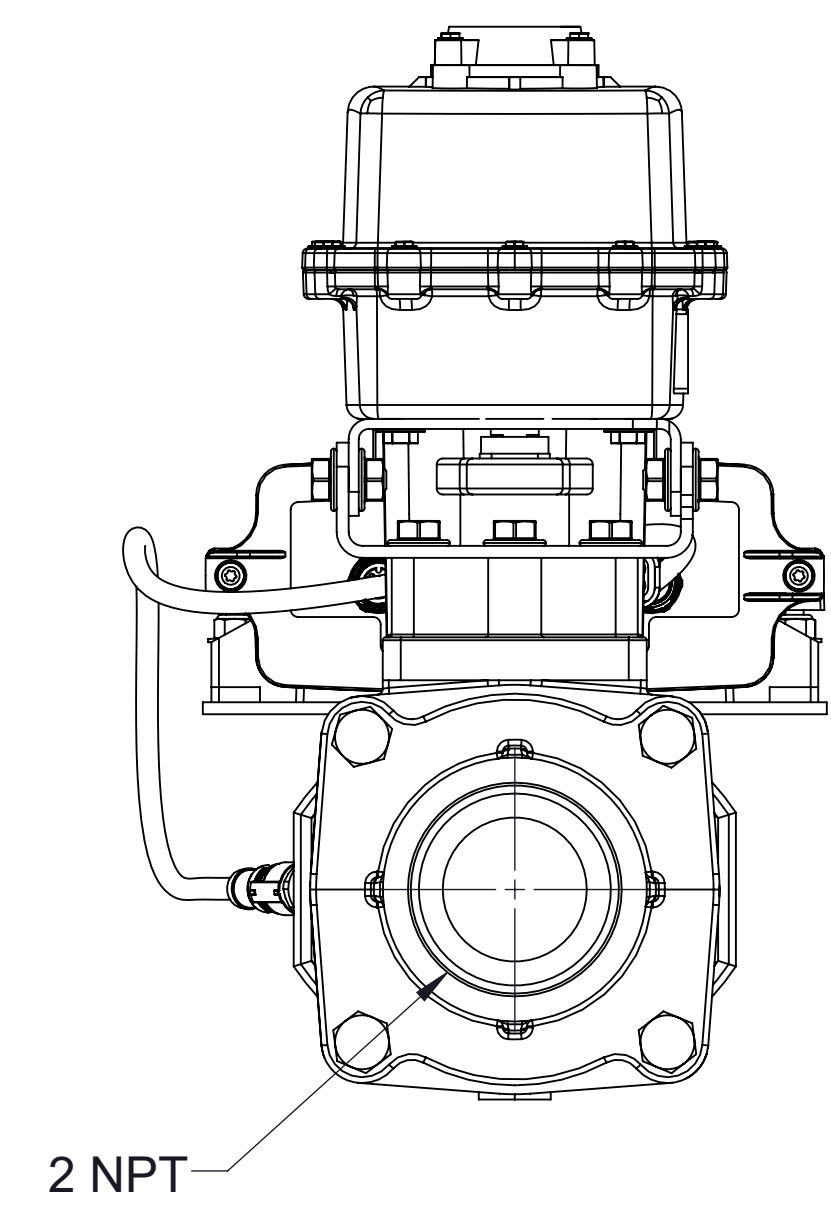
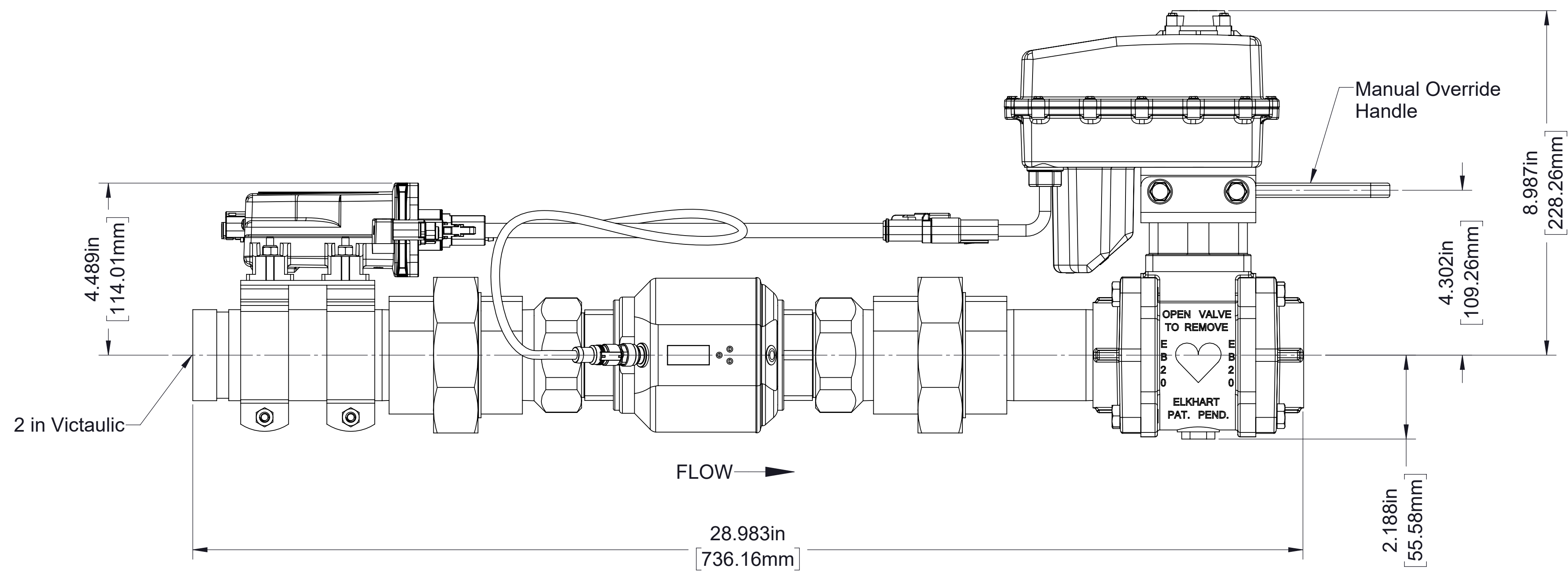
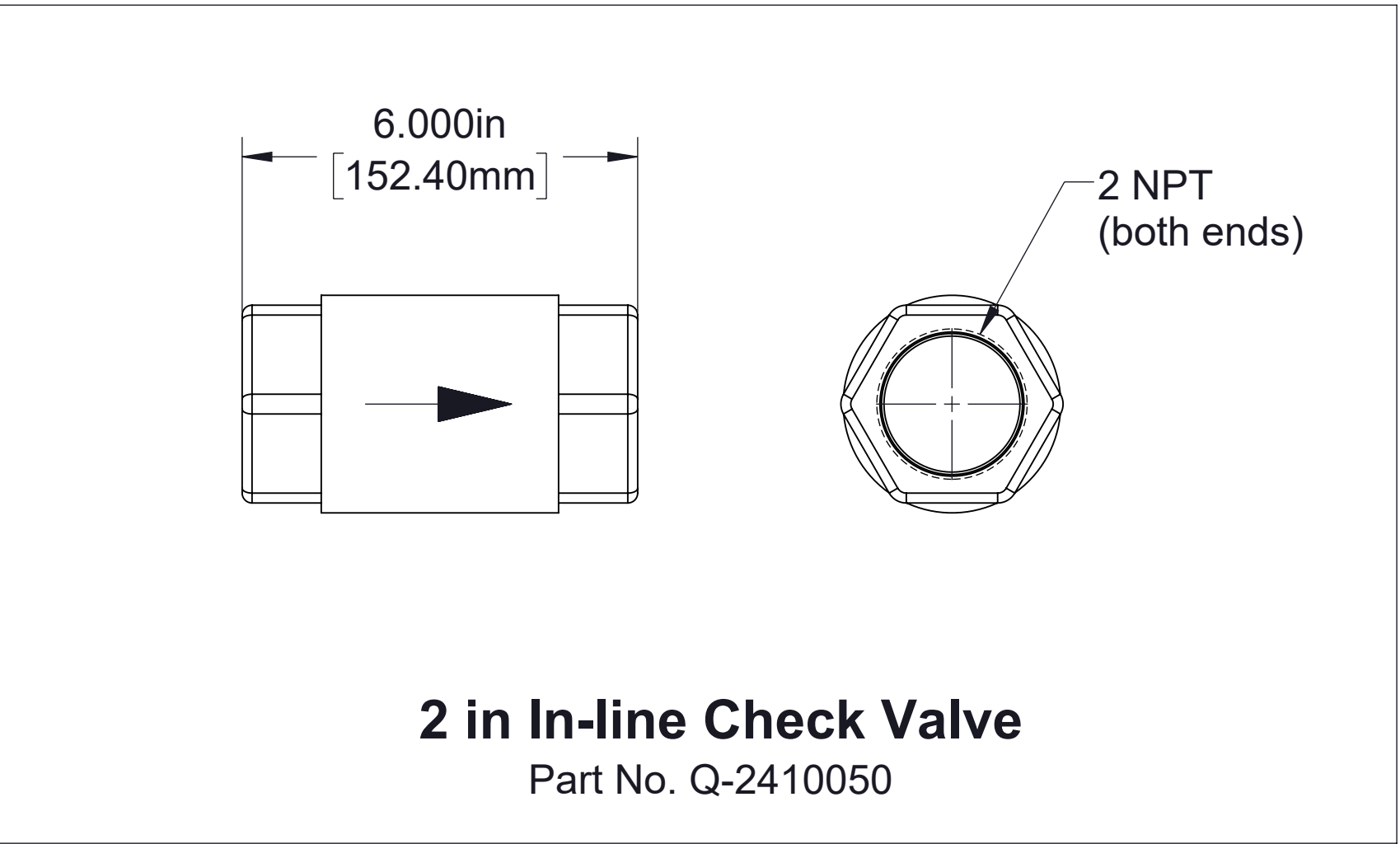
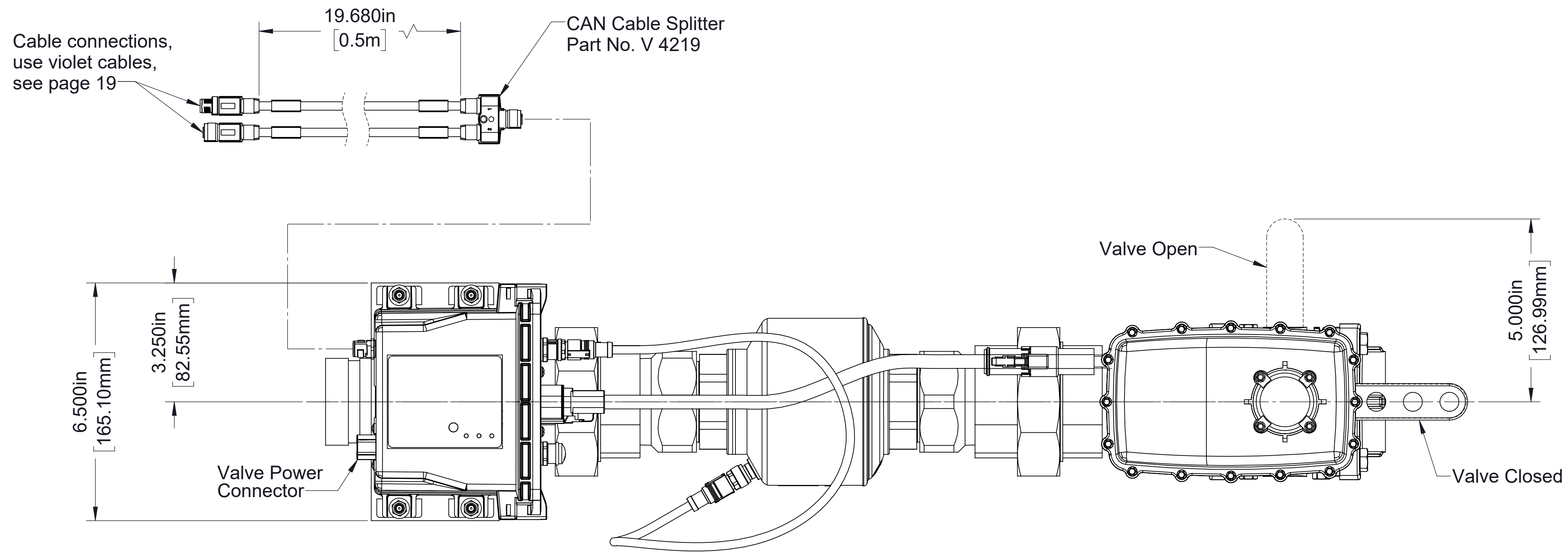
Check Valve
Part No.s Q-2410079 and W 41032-16SS (See note 1)

Note:
1. Check valve used for draining foam lines. Must be located close to the discharge valve and/or as high as possible.

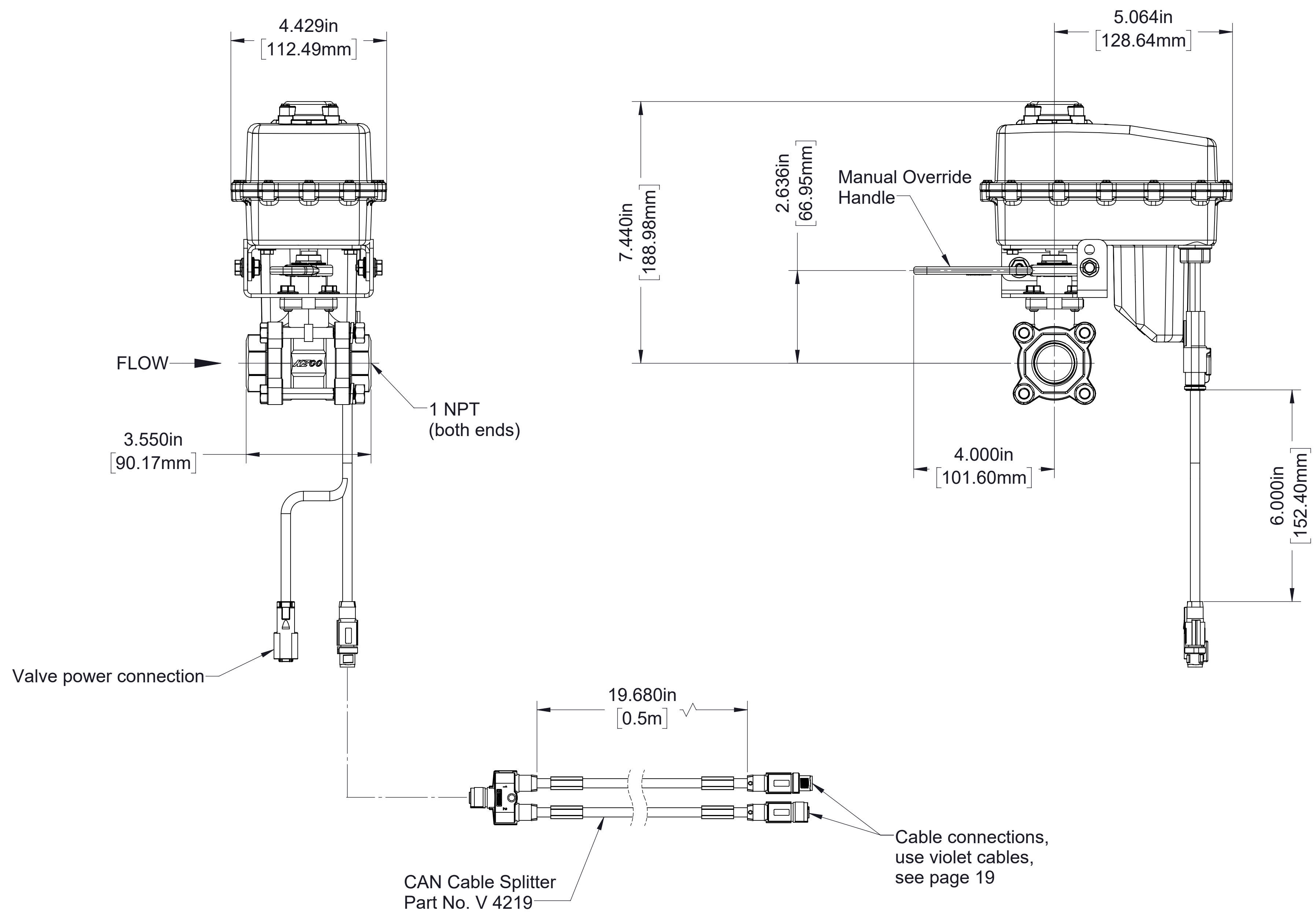
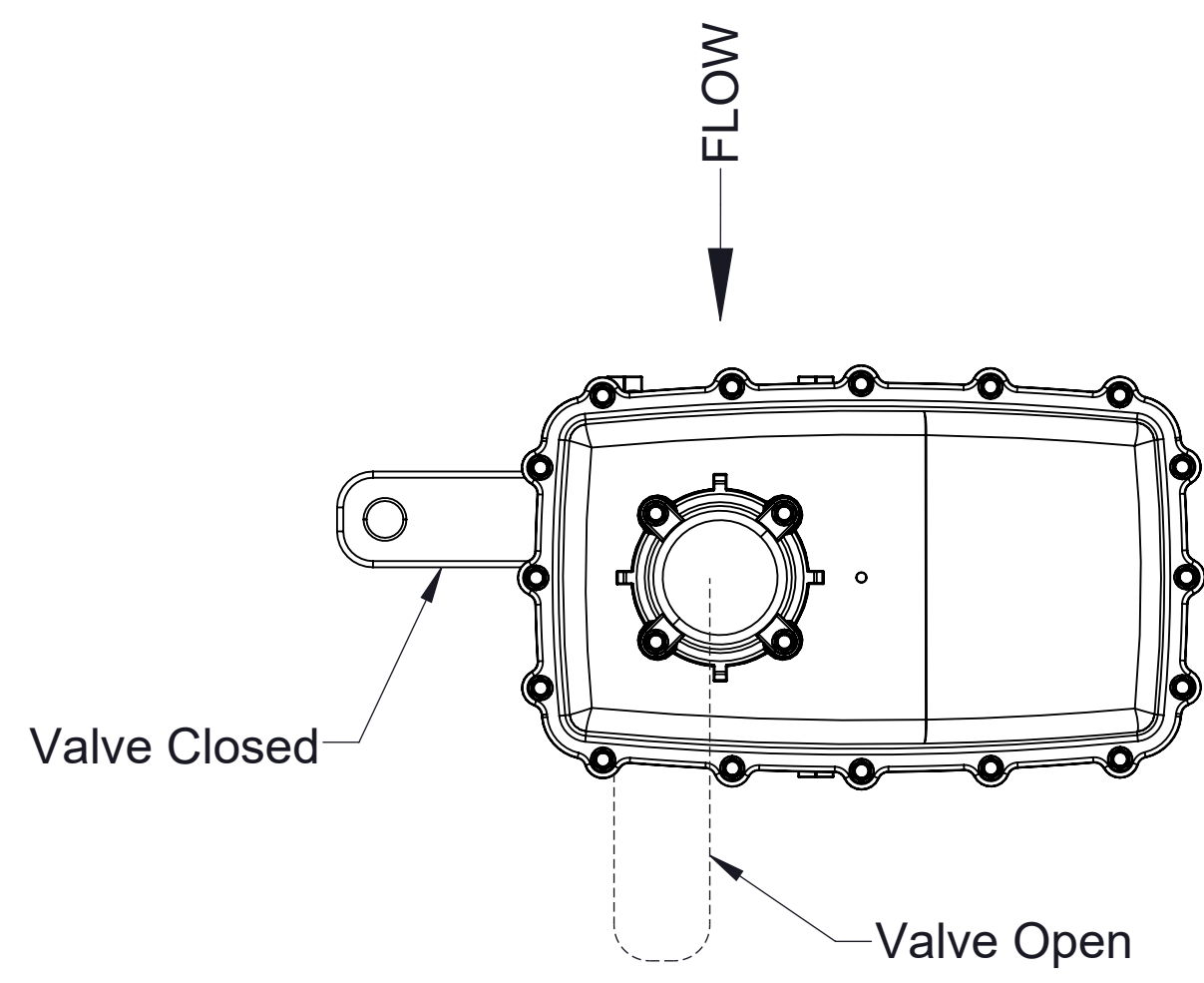


Note:
1. Check valve used for draining foam lines. Must be located close to the discharge valve and/or as high as possible.

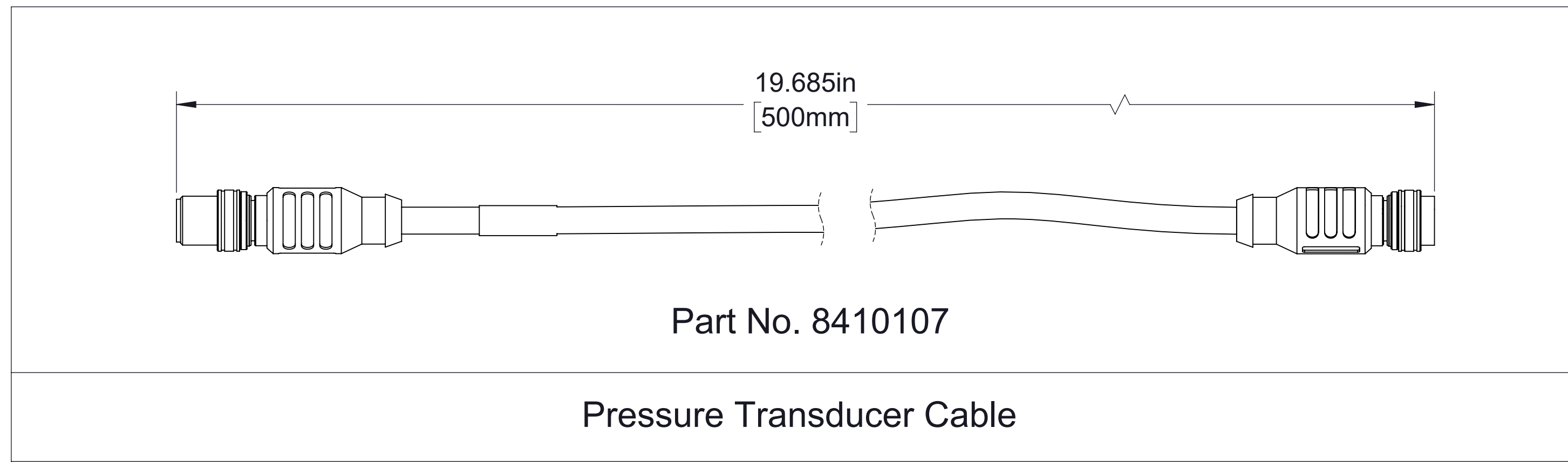
2 in Discharge Line Assembly, 373 GPM
Part No. 9473



2 in, Supply Tank Fill Valve
Part No. 9470-2



Priming Valve
Part No. 9471



Note that sensor cables shown below may be used for extensions.

CANbus Cables - Violet
One of each is furnished for each connection,
discard un-used cables.

19.685in
[0.5m]

0.5 Meters
Part No. V 4188

78.740in
[2.0m]

2.0 Meters
Part No. V4189

If additional cables are required,
order part numbers shown.

Sensor Cables - Yellow or Gray
One of each is furnished for each connection,
discard un-used cables.

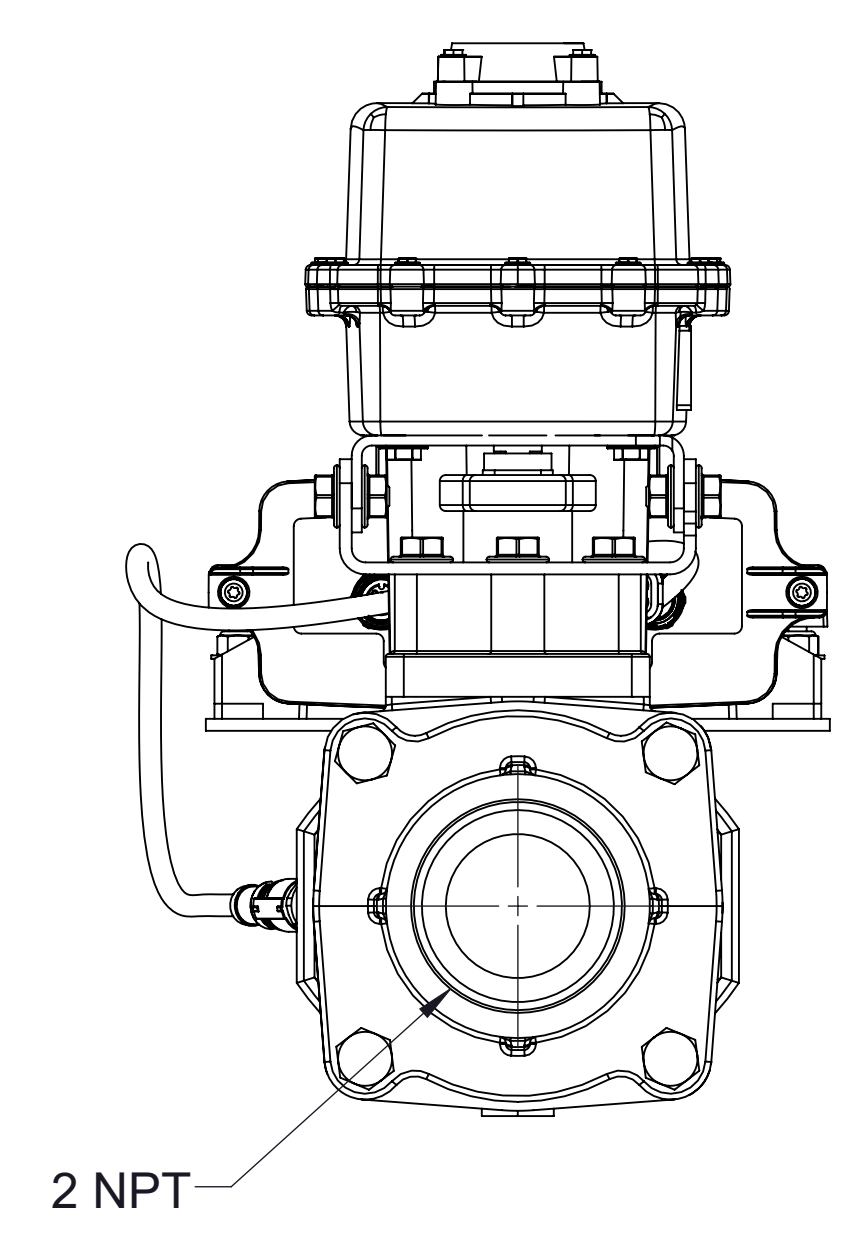
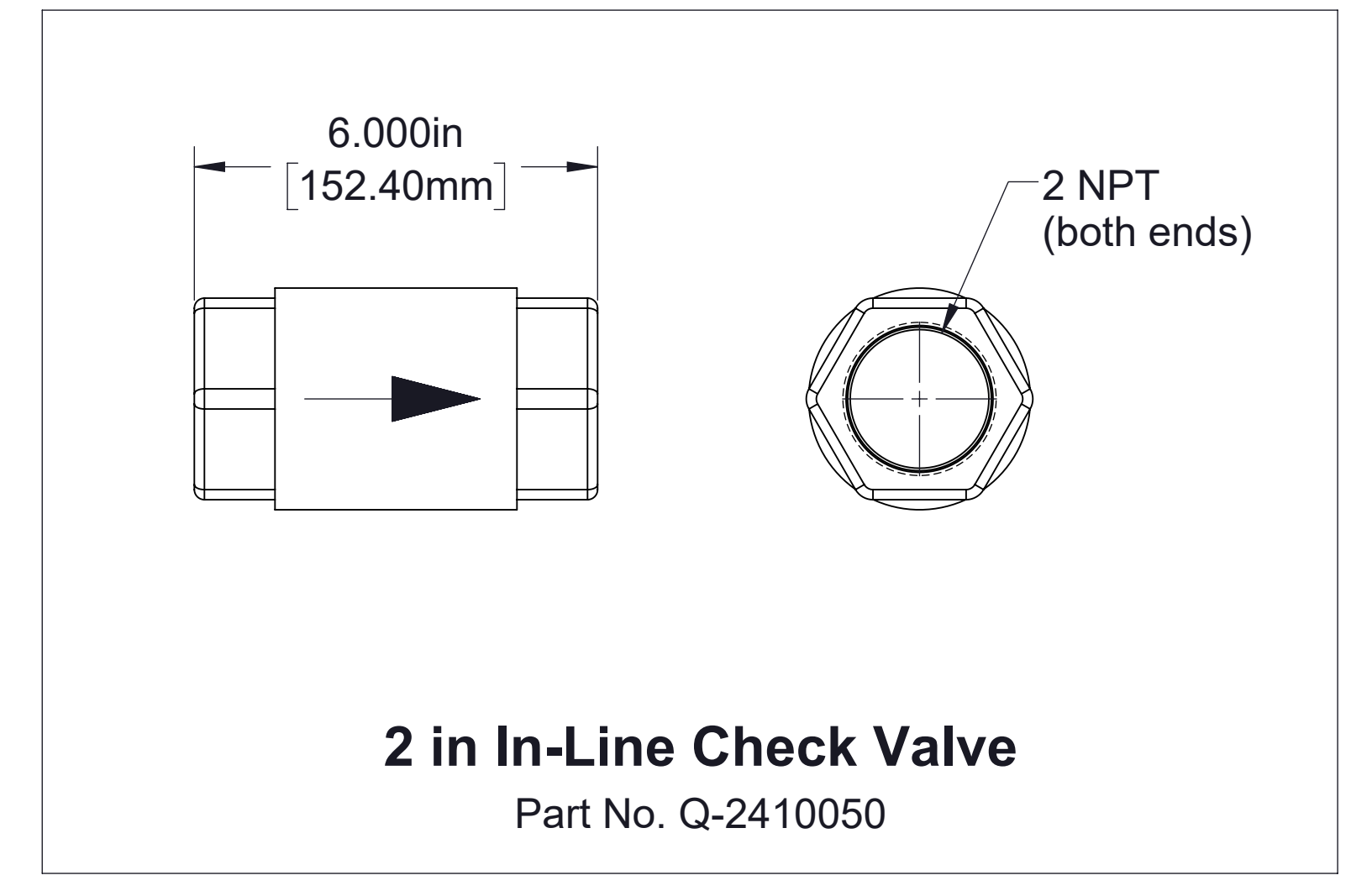
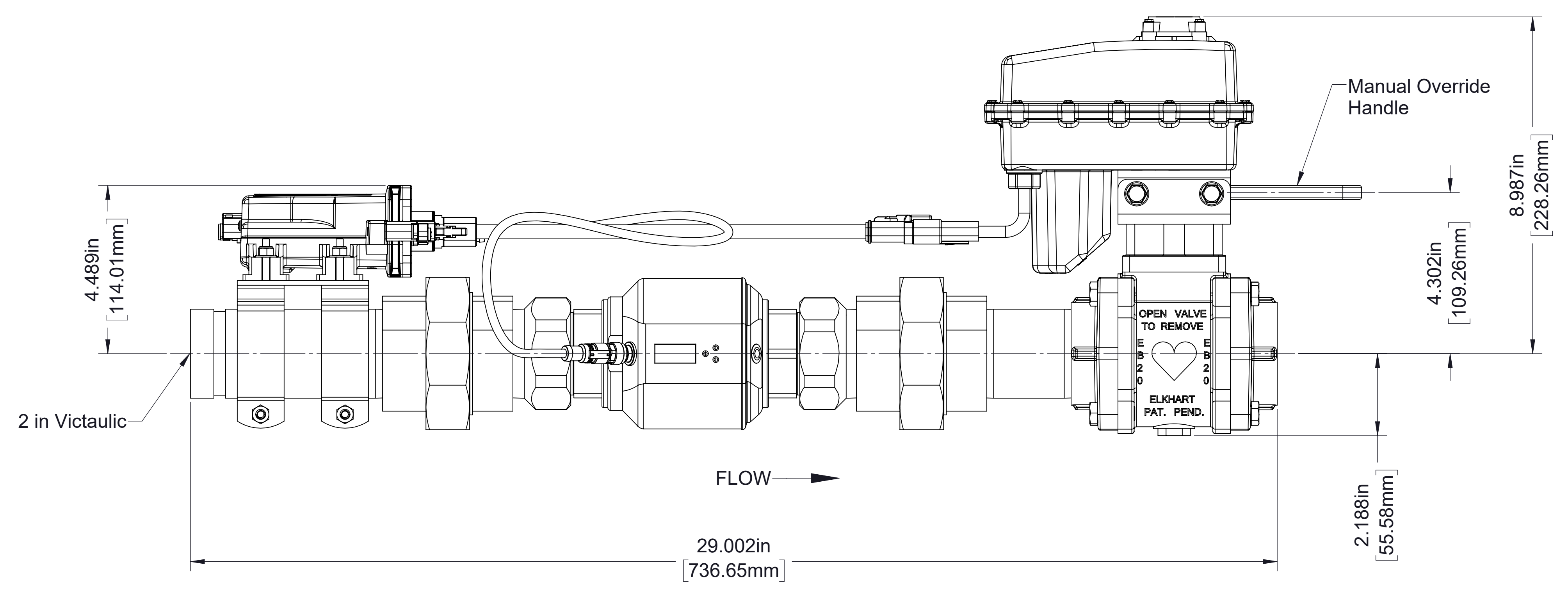
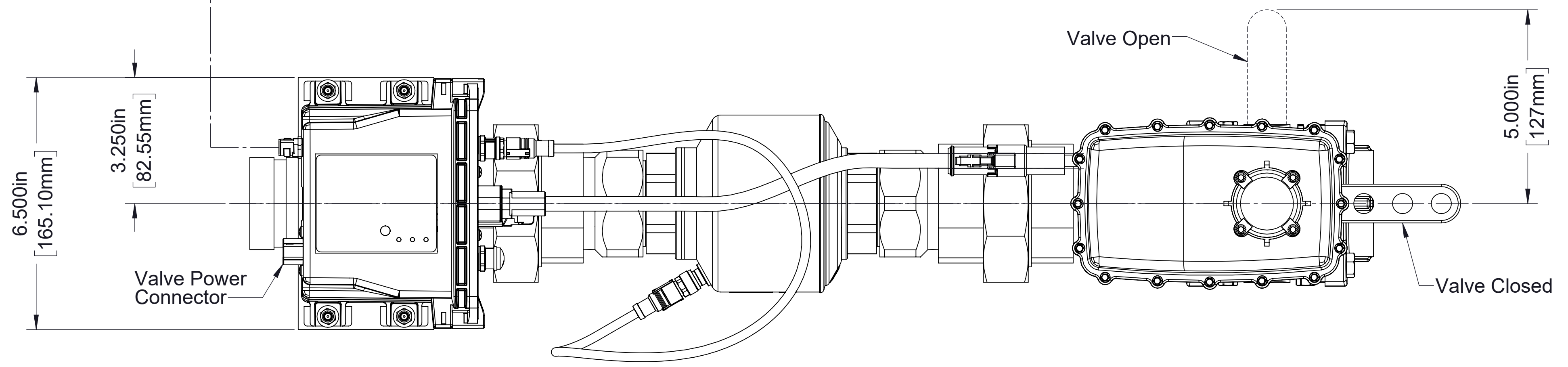
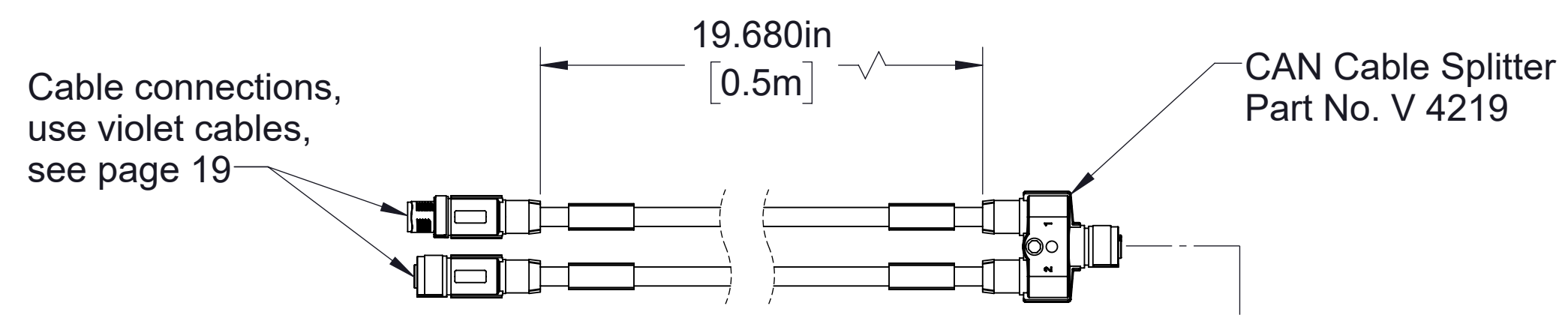
19.685in
[0.5m]

0.5 Meters
Part No. V 4190

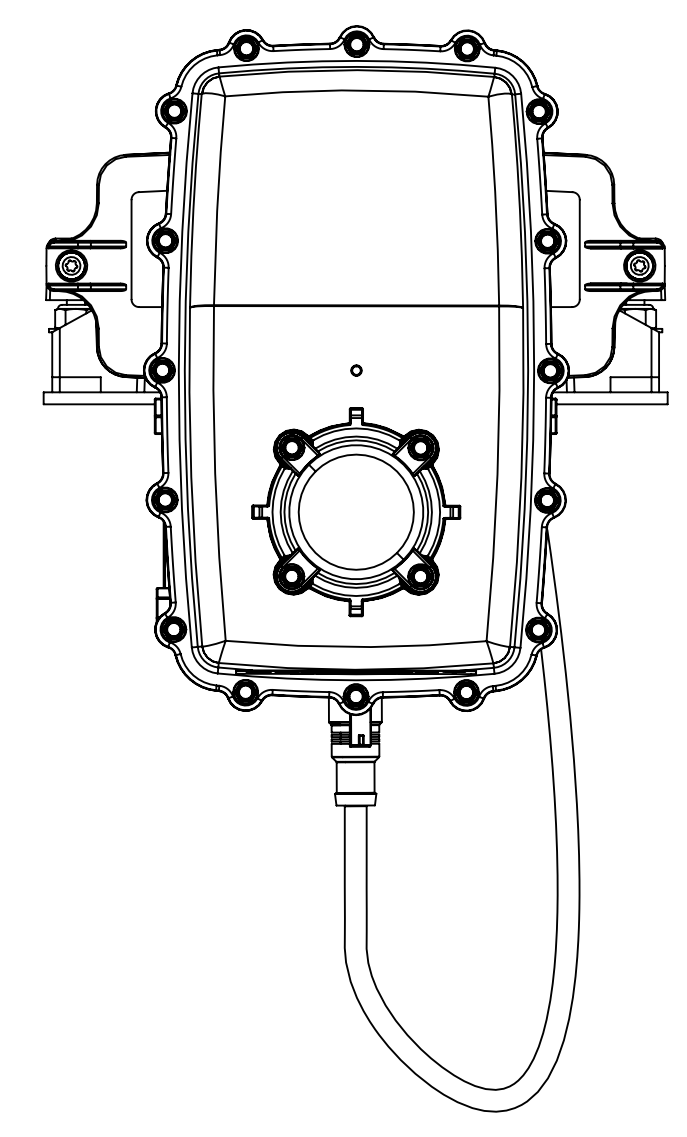
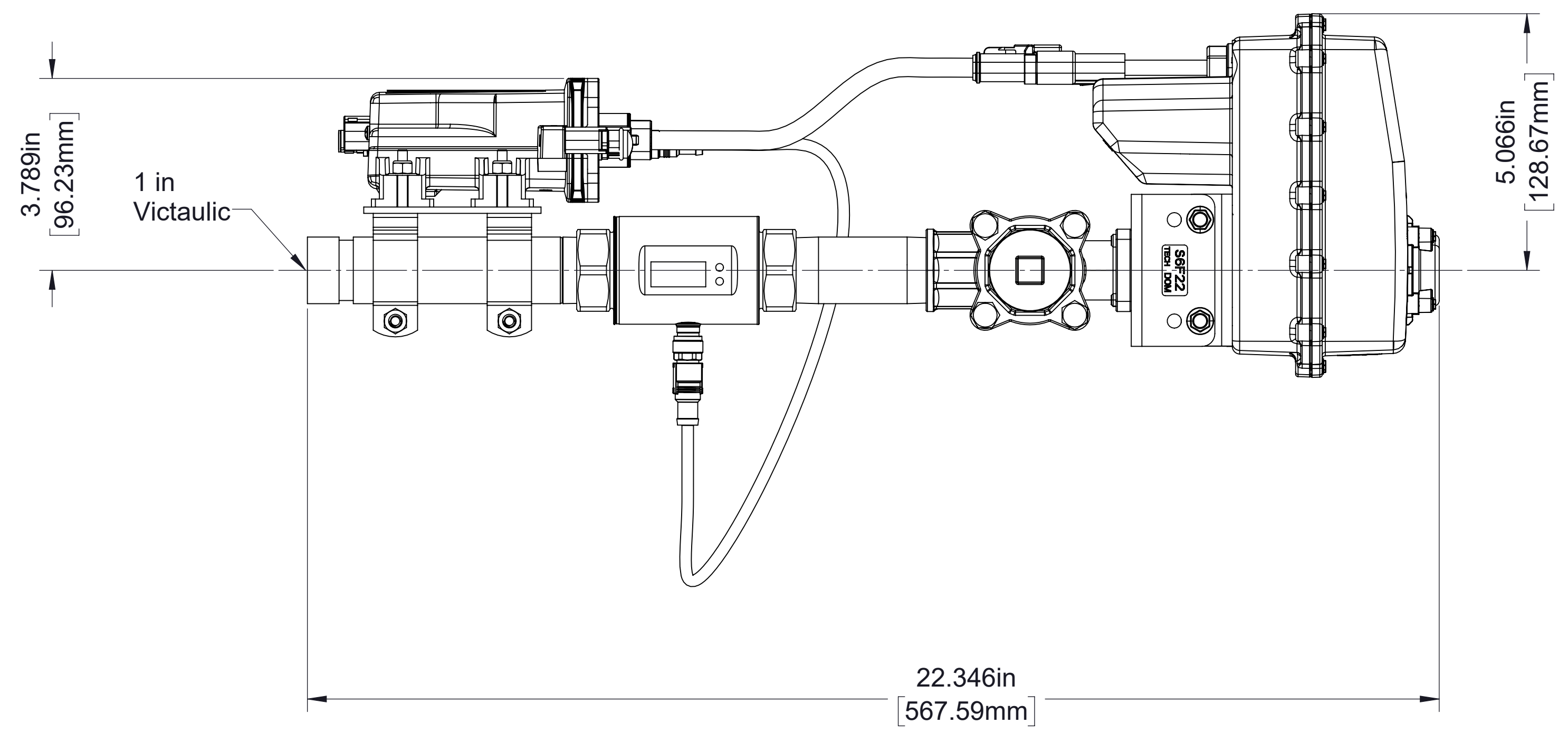
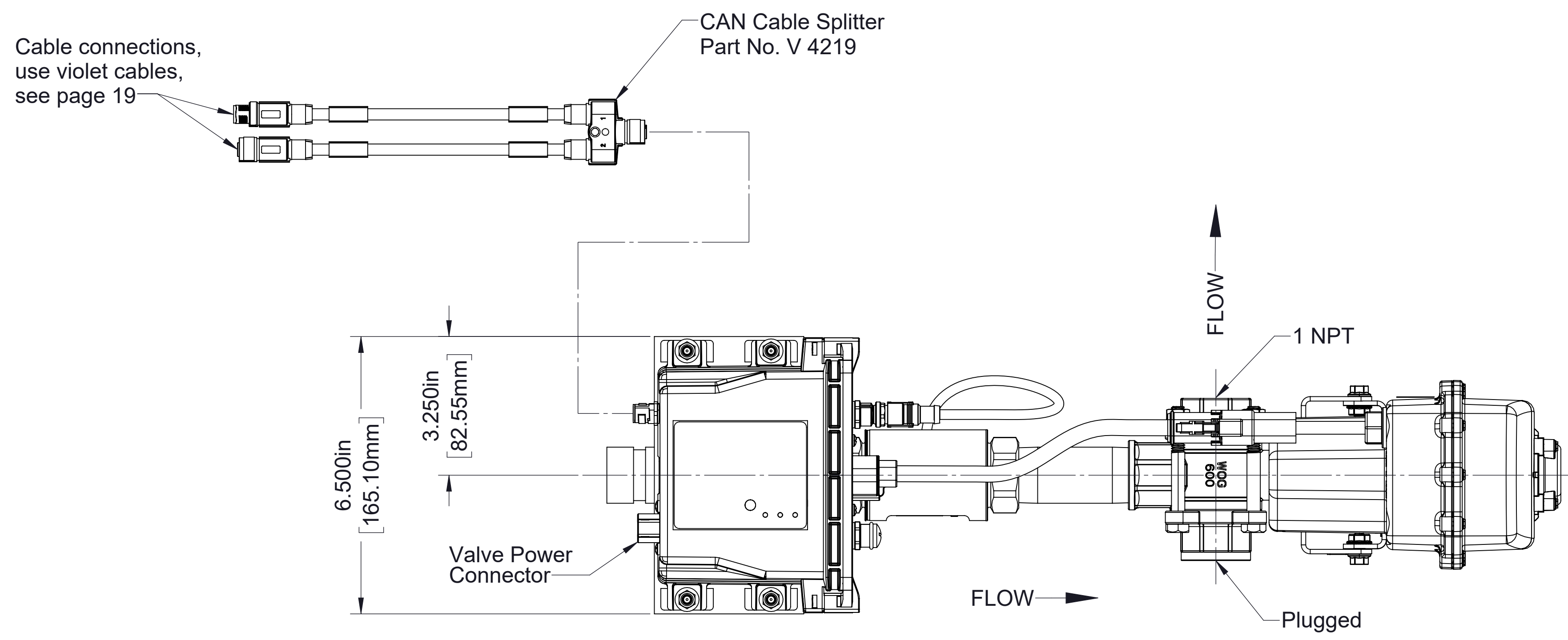
118.11in
[3.0m]

3.0 Meters
Part No. V 4191

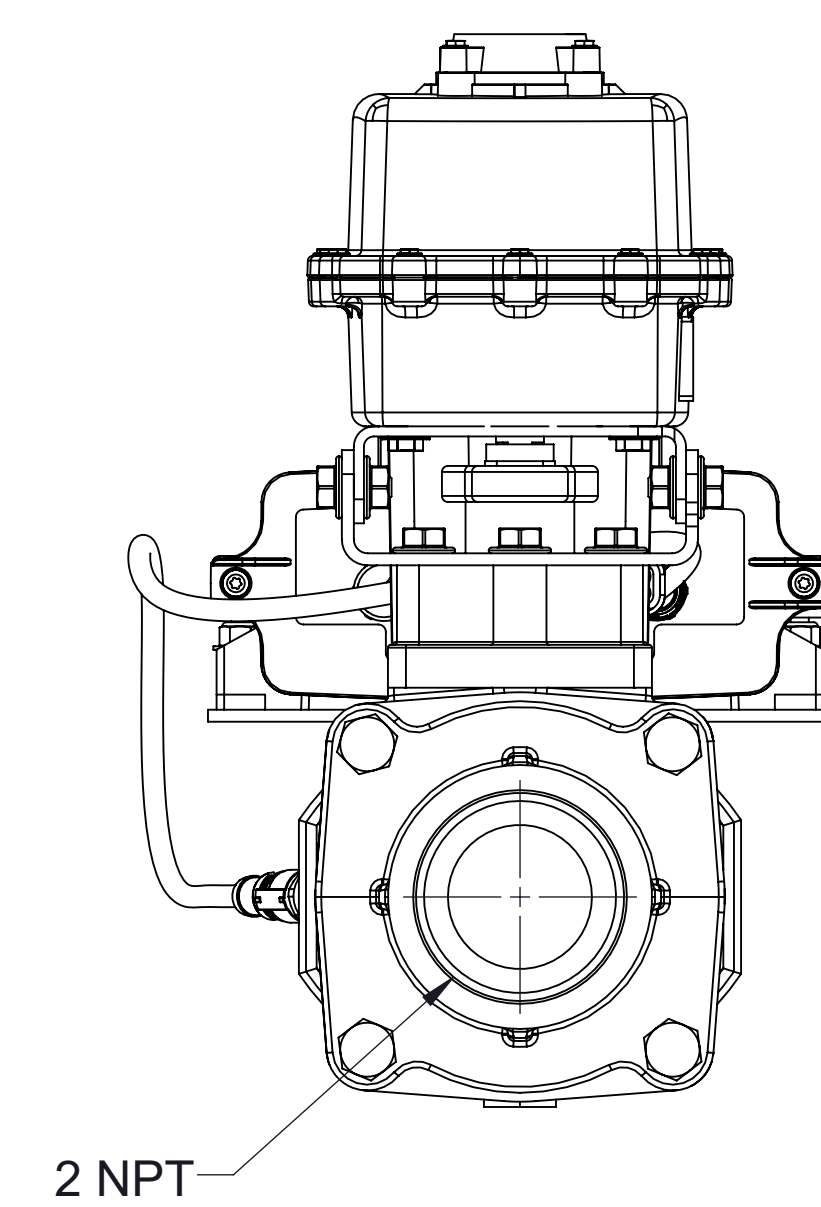
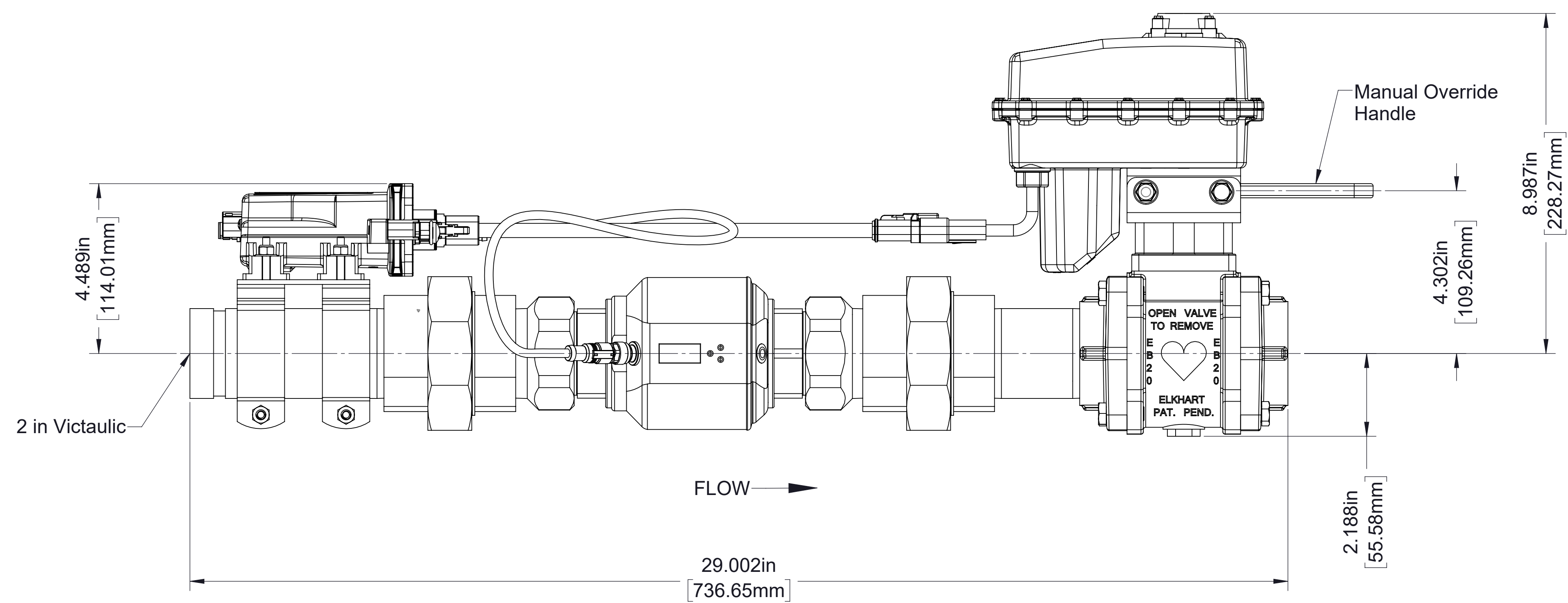
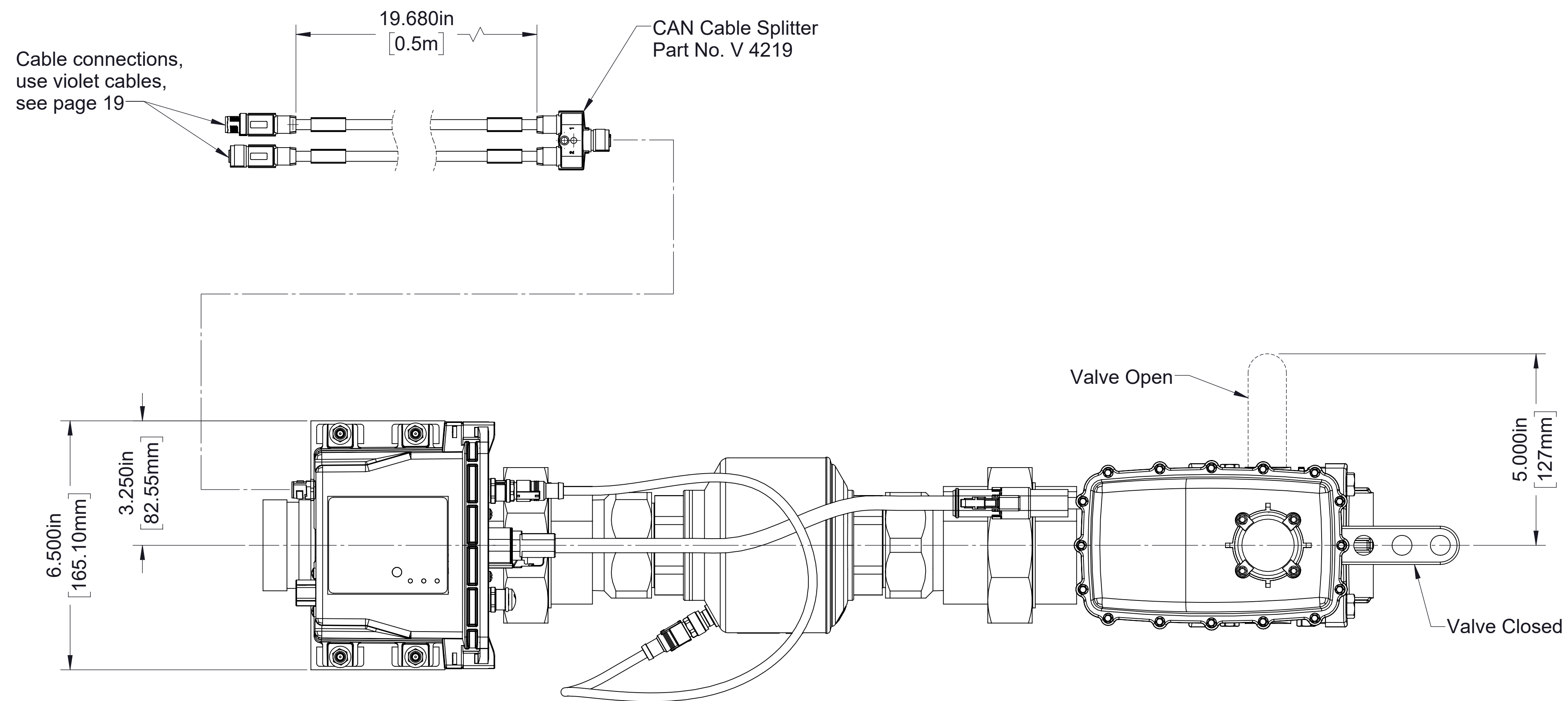
If additional cables are required,
order part numbers shown.



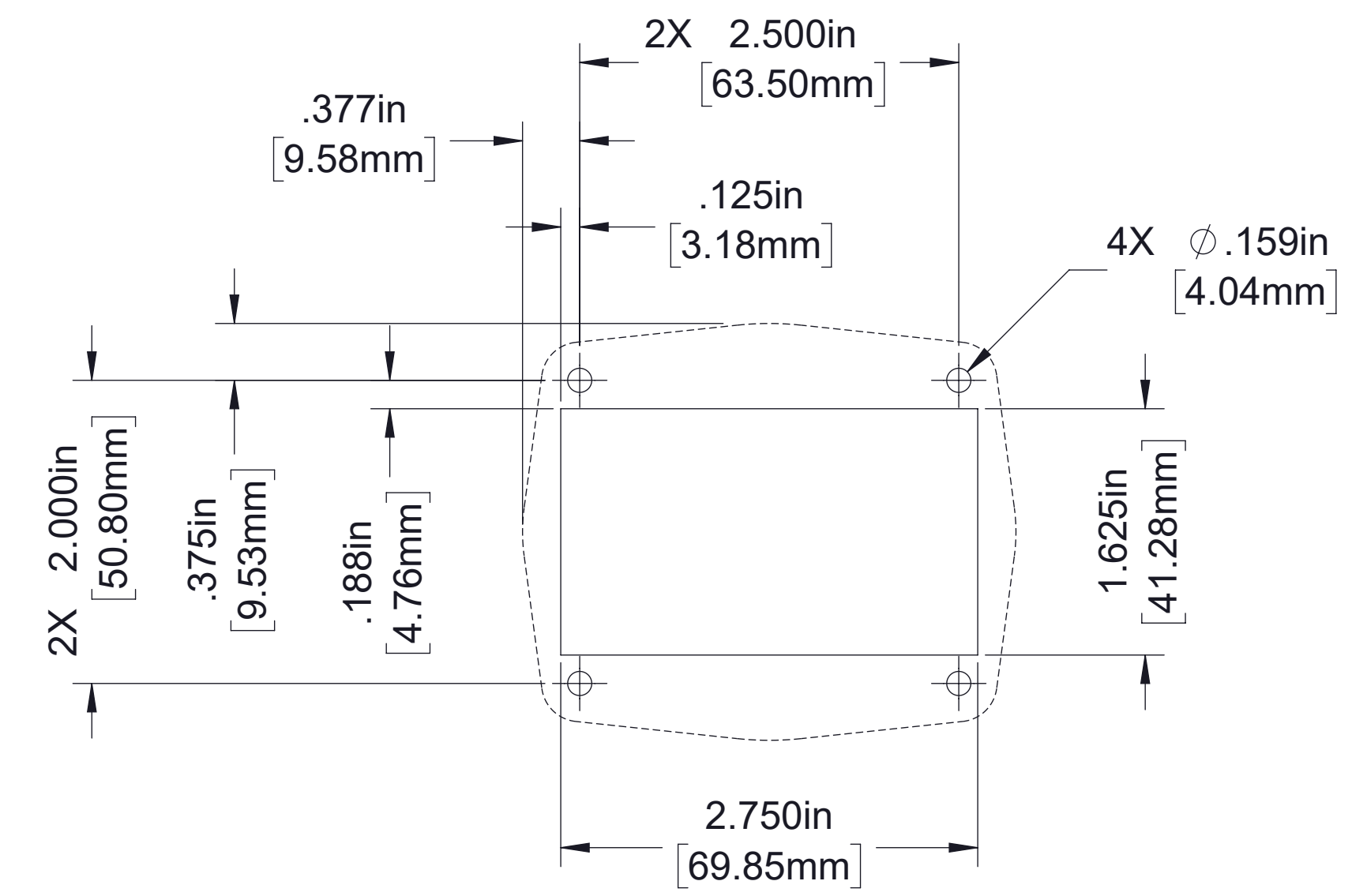
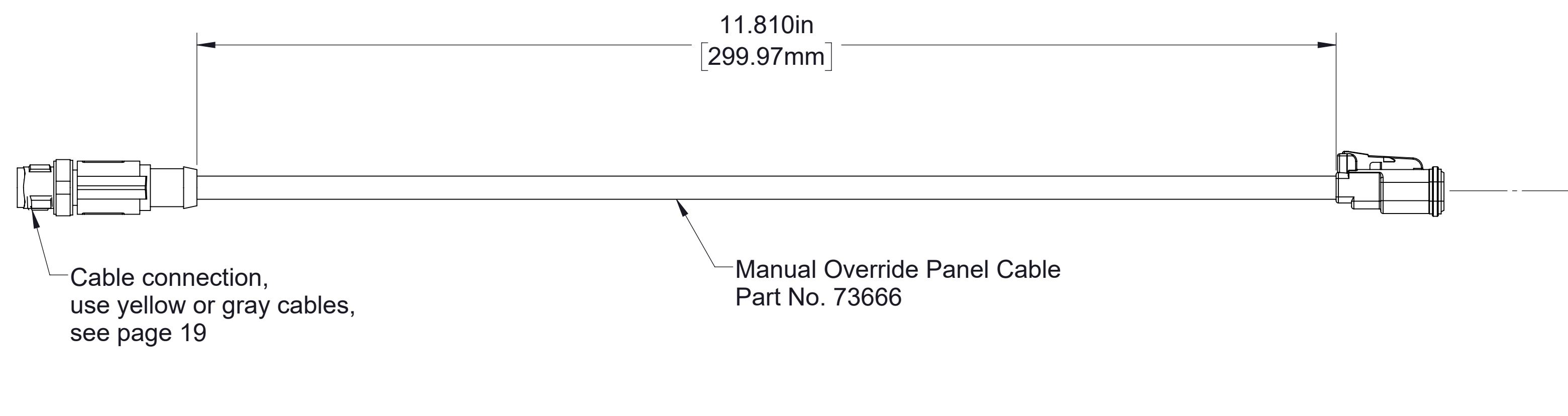
2 in, Concentrate Transfer Valve
Part No. 9470-3



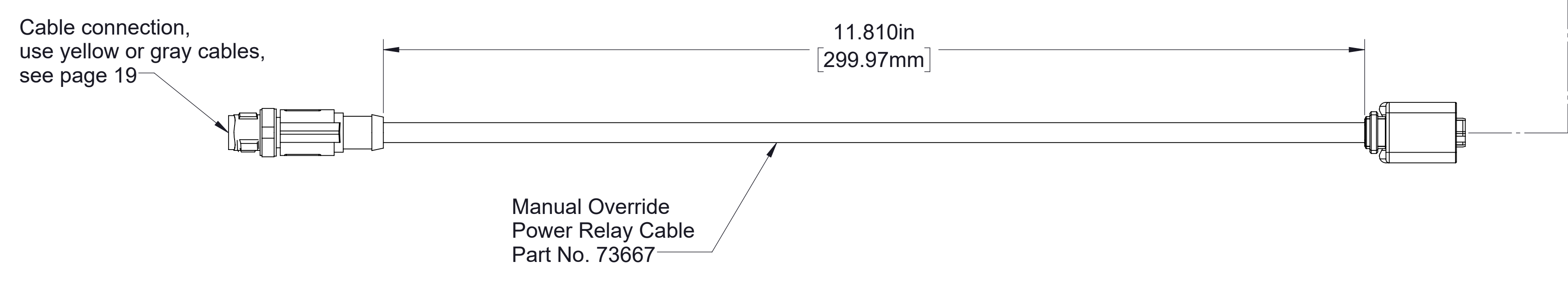
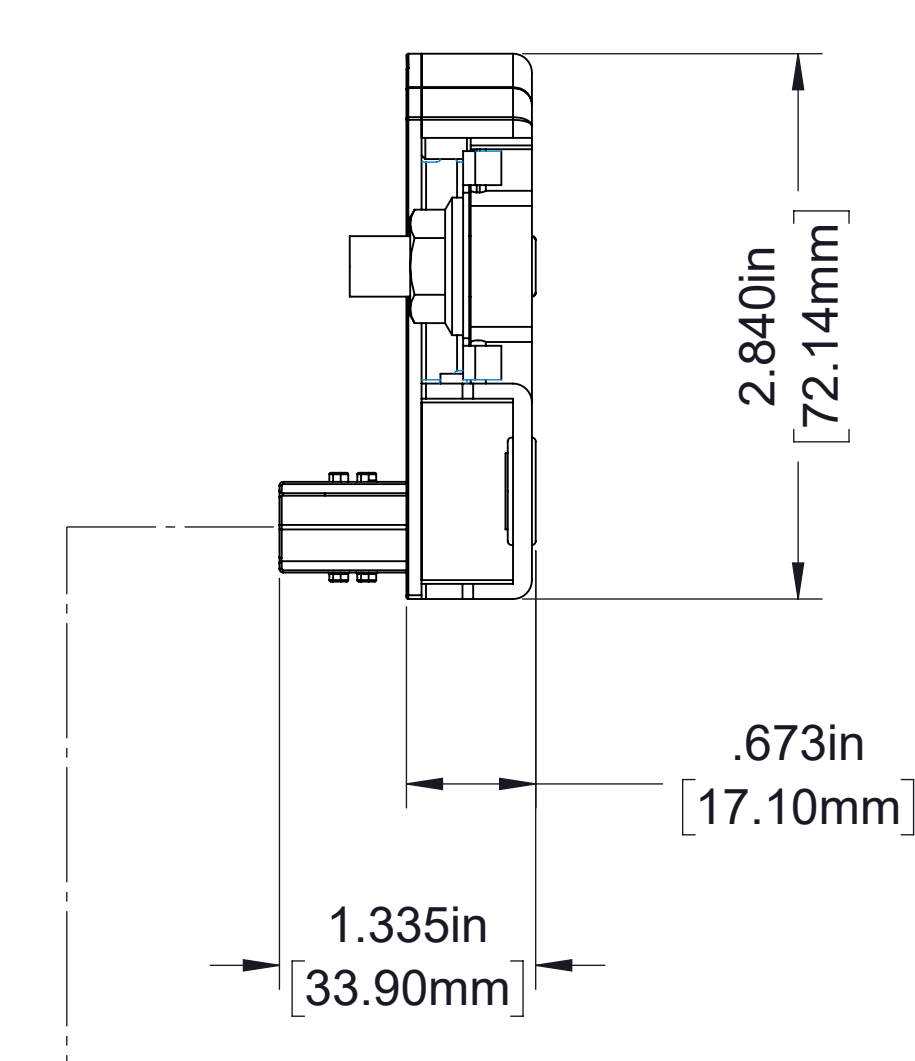
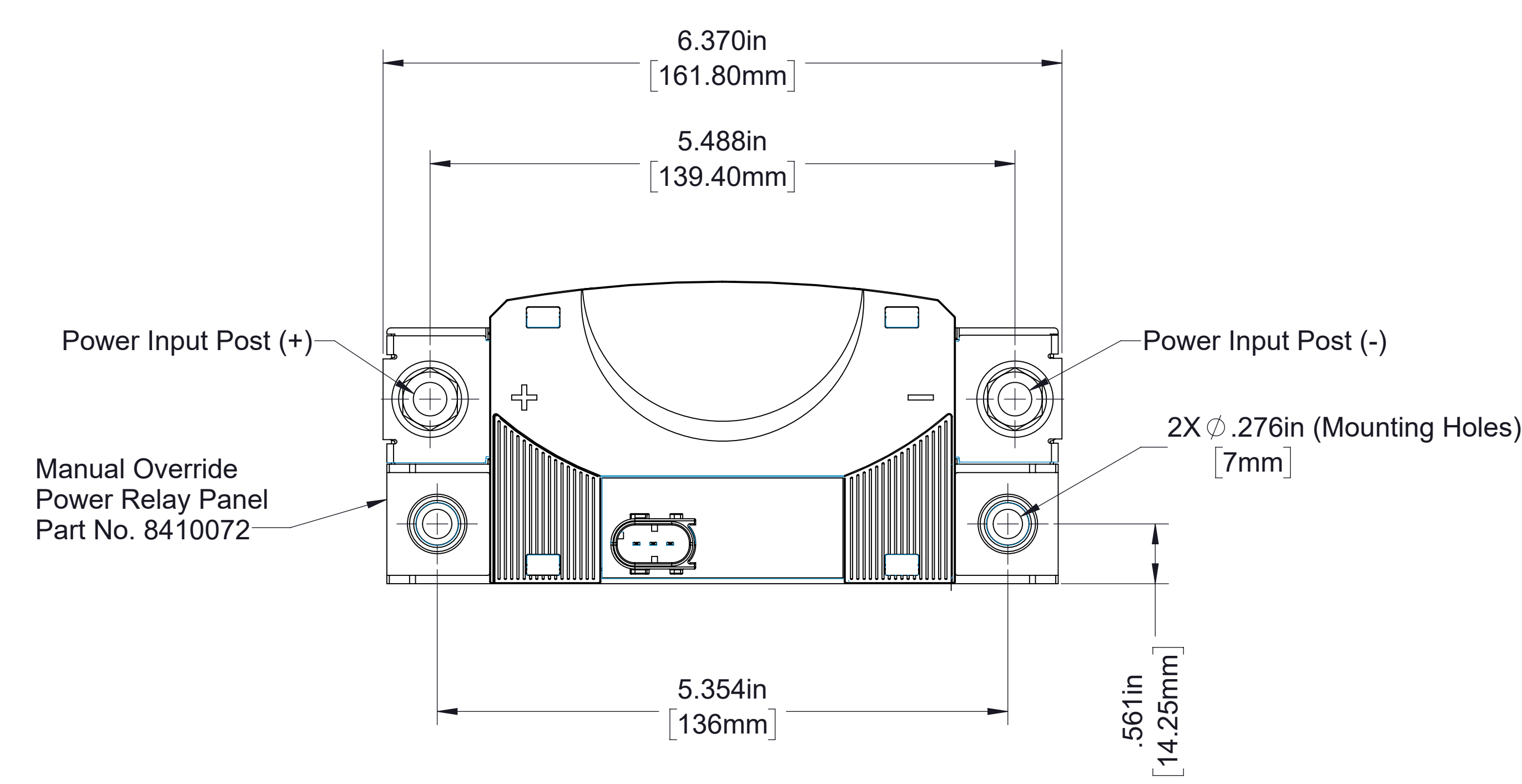
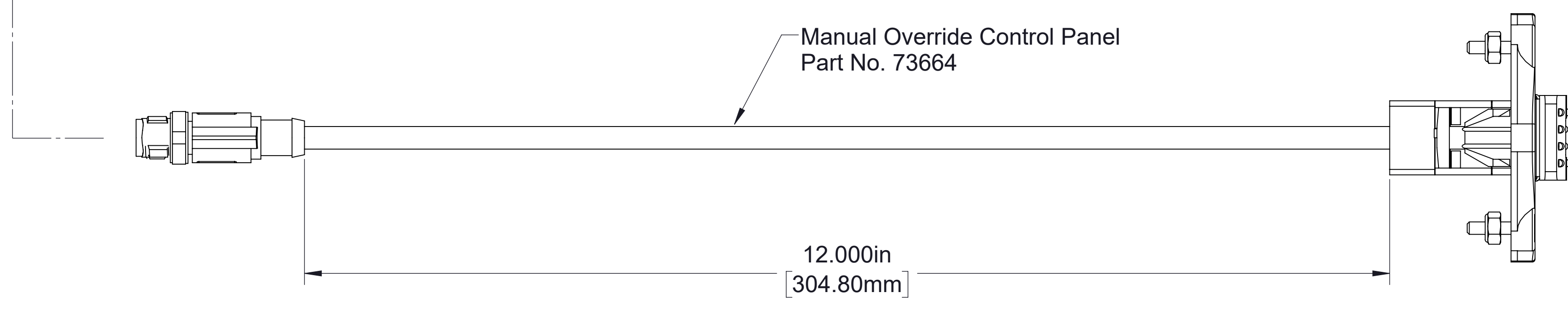
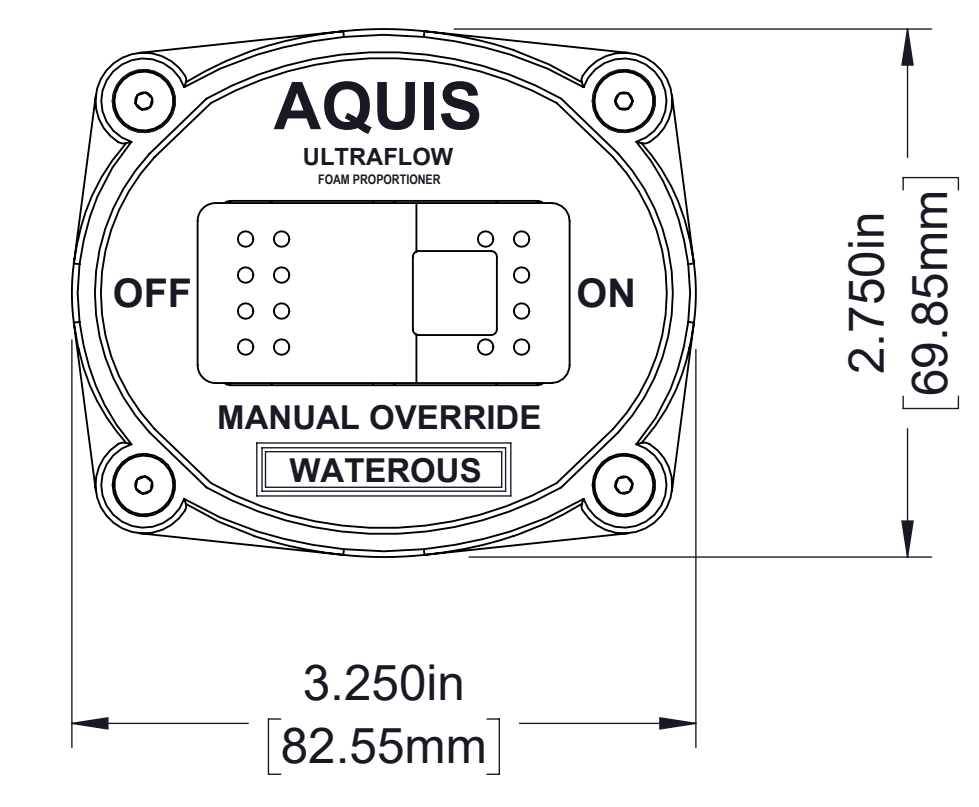
1 in Low Flow By-Pass Valve
Part No. 9466



2 in, Low Flow By-Pass Valve
Part No. 9470-4



Panel Hole Layout



Manual Override Control Panel
Part No. L 1222-9

