

**Document Number Issue Date** Rev. Date 12/03/20 DPL83159 10/24/11

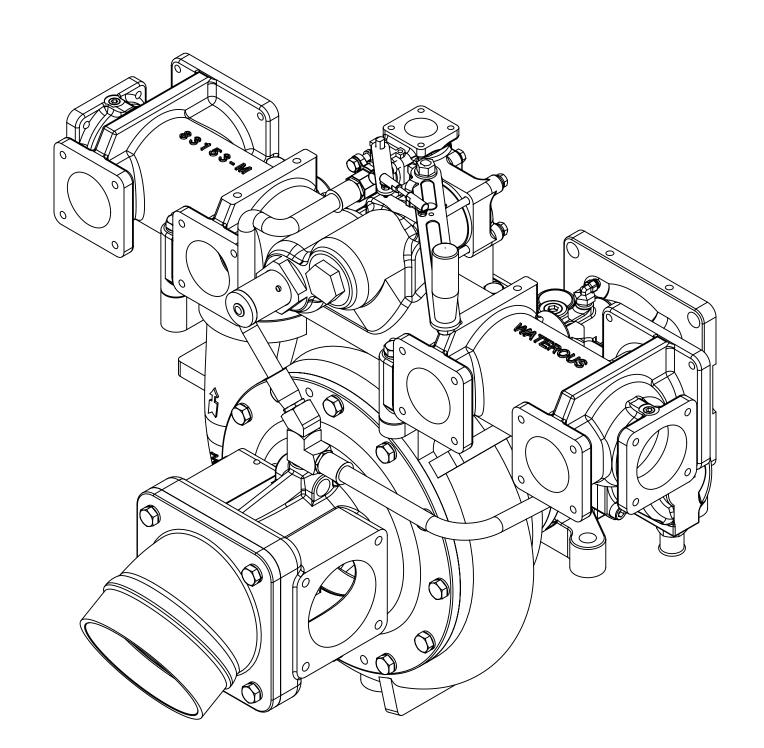
## **HL400 Series Pump Dimensional Drawings**

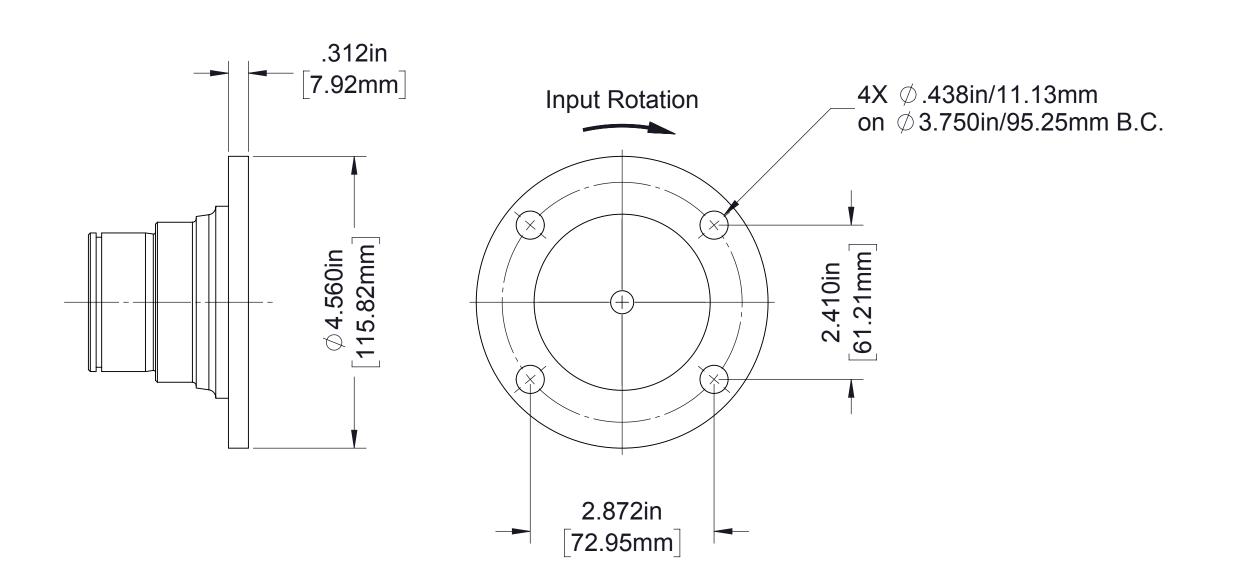
Pump Model	Drive				See Page										
	Type	Input Shaft	Input Rotation (1)	Impeller Rotation (2)	Pump and Transmission			Available			Optional				
					Pump	Transmission Mounting Positions	Priming Isolation Valve (PIV) Solenoid Valve	Intake Connections	Discharge Manifold	Auxiliary Fittings	RTP Foam System		Control Panels		Gauges
											Mounted on Pump	Remotely Mounted	Panels	Wiring Schematic	- and Monitors
HL400D	Direct Drive	1410 Series Companion Flange		CCW	2	6	7	Standard (8) Short (9)	10	11, 12	13	See DPL83197	14	15	16
			CCW	CW	3										
HL400K	Heavy Duty K Series Transmission	1-3/8-10 SAE Spline	CW	CW	4										
			CCW	CCW	5										



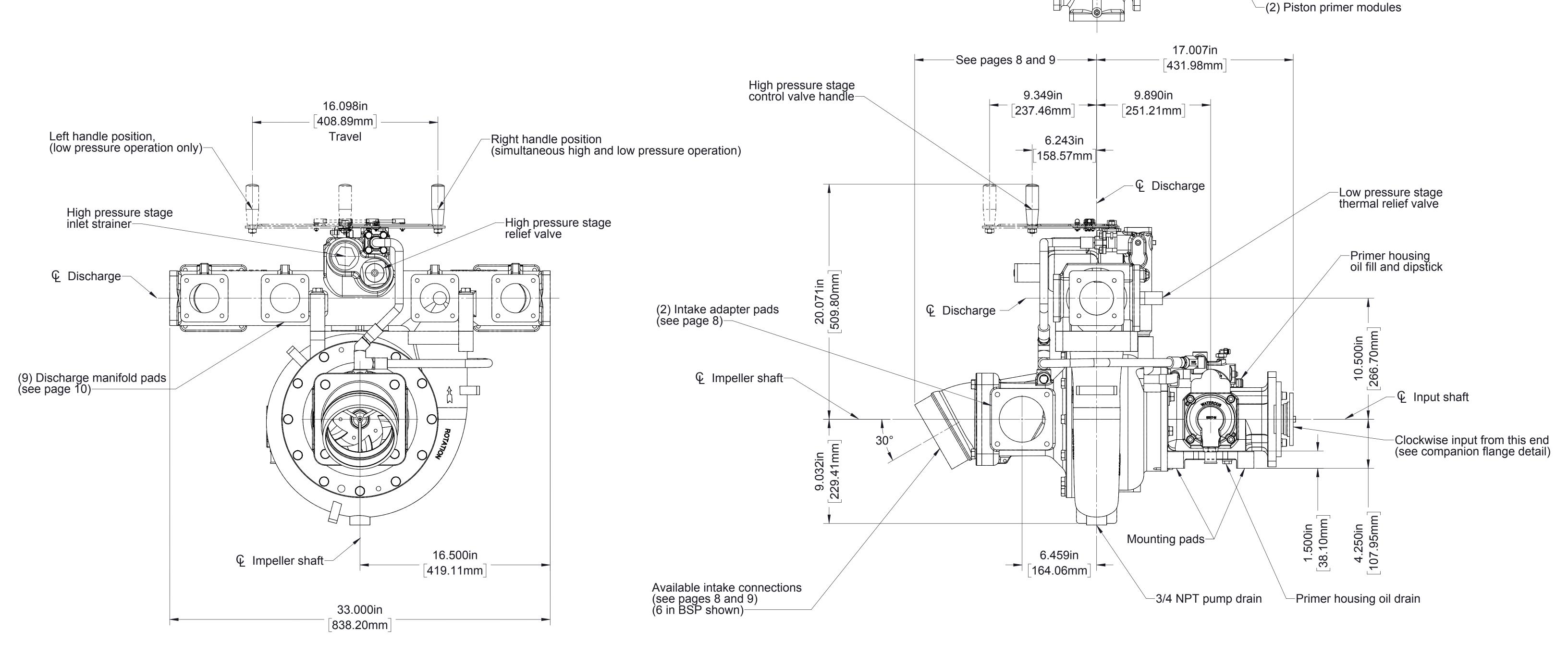
Notes:
1. Drive input rotation defined as viewed looking directly at direct drive or transmission input shaft.
2. Impeller rotation defined as viewed looking directly into impeller eye from intake end of pump.







1410 Series Companion Flange Detail



[327.41mm]

6.000in

152.40mm

Electronic tachometer(3 meter cable furnished with pump)

10.500in [266.70mm] 16.178in 410.92mm

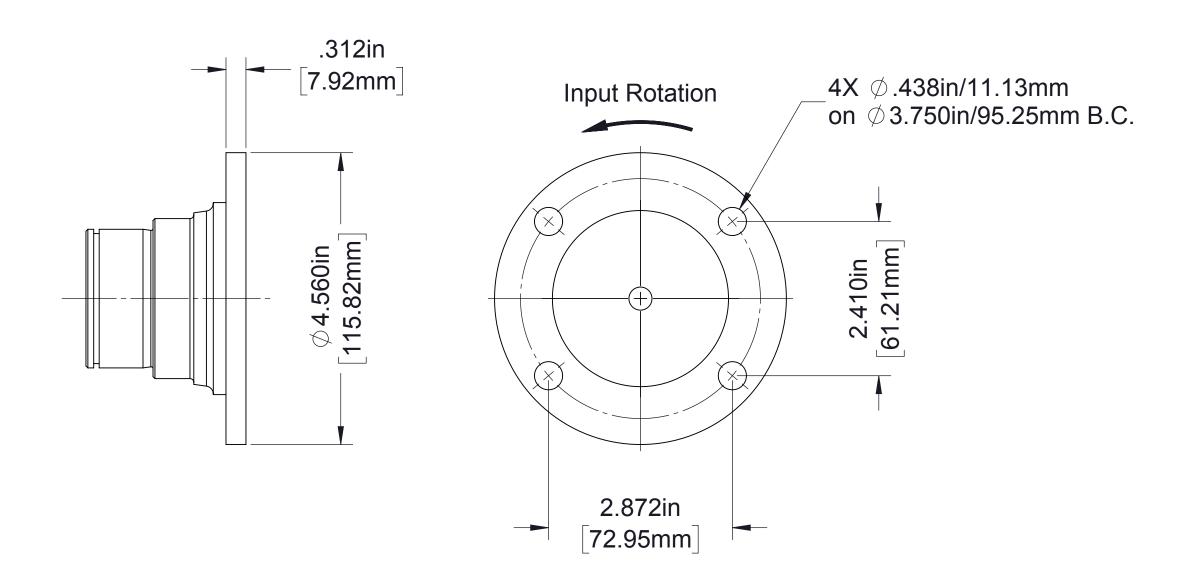
8.089in 205.46mm

-€ Impeller and input shaft

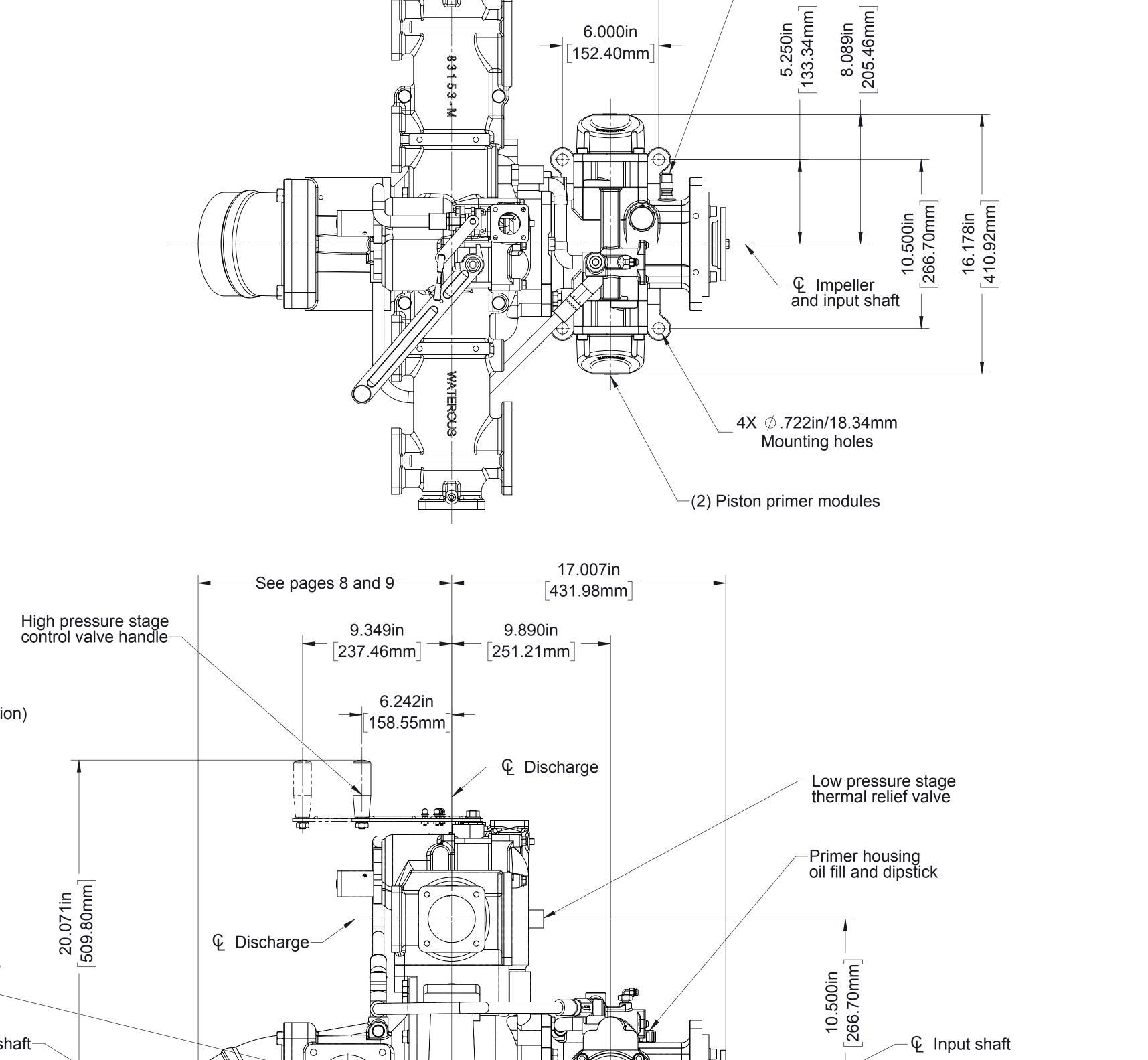
4X ∅.722in/18.34mm

Mounting holes

5.250in [133.34mm]



1410 Series Companion Flange Detail

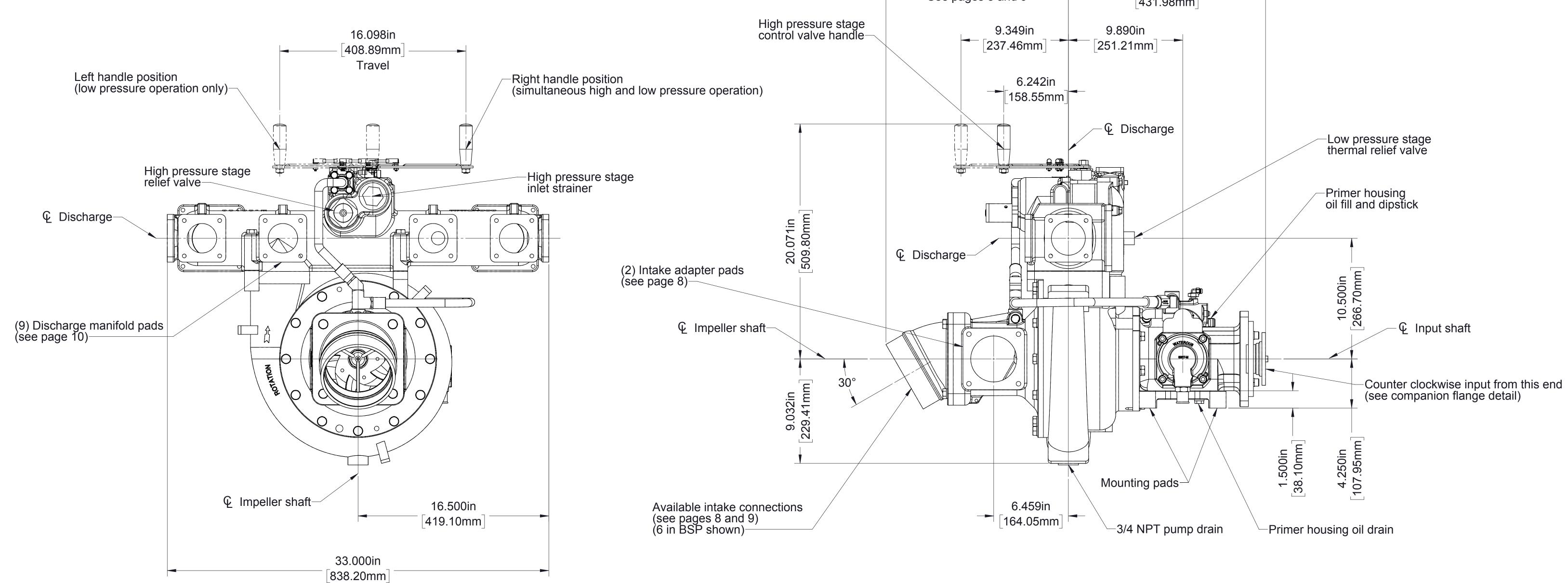


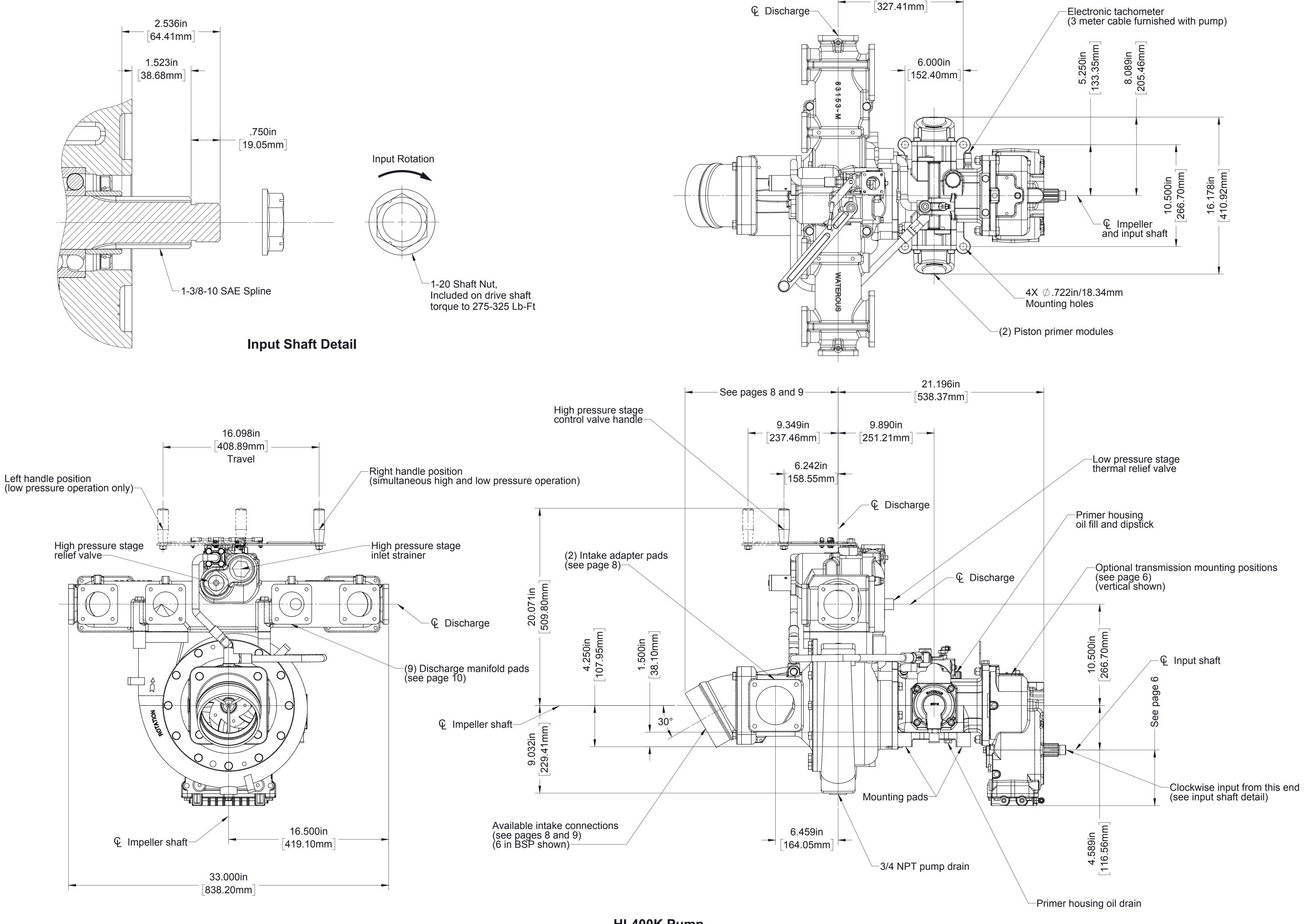
[327.41mm]

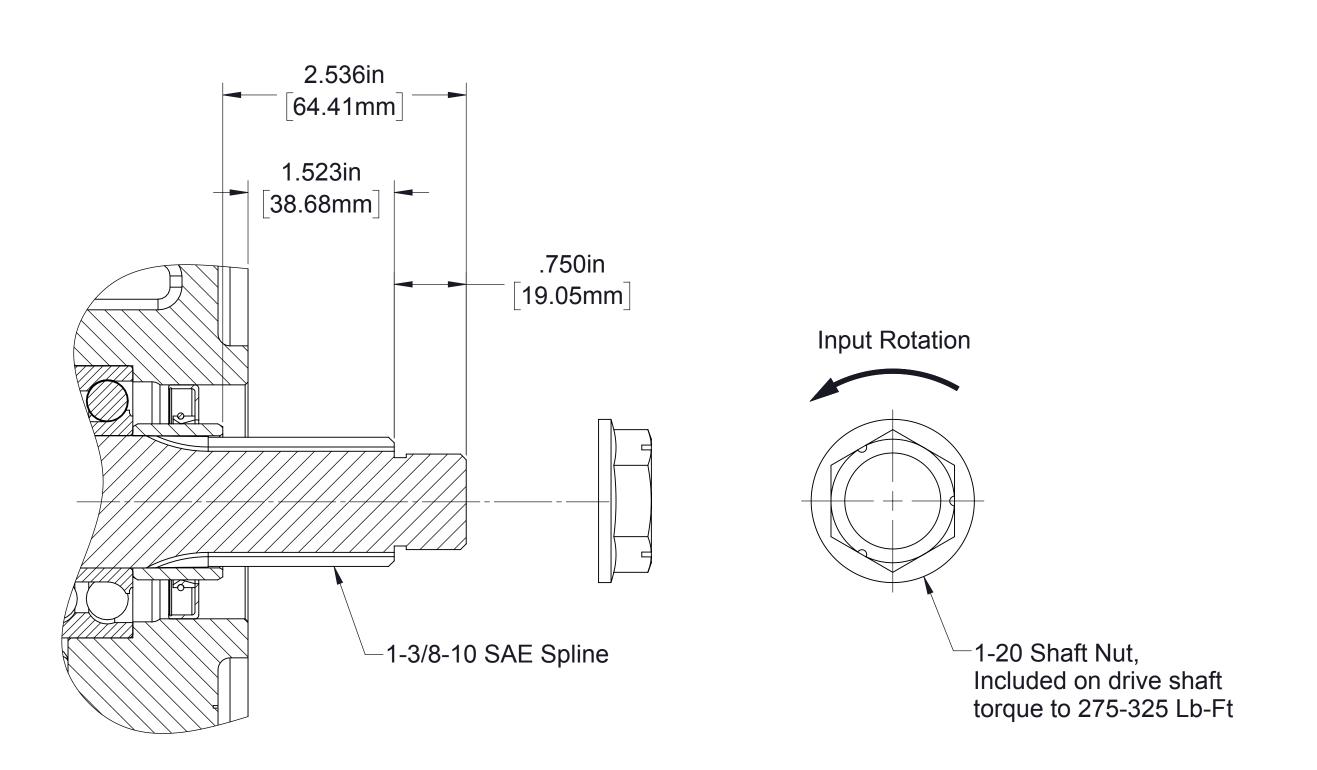
6.000in

Electronic tachometer (3 meter cable furnished with pump)

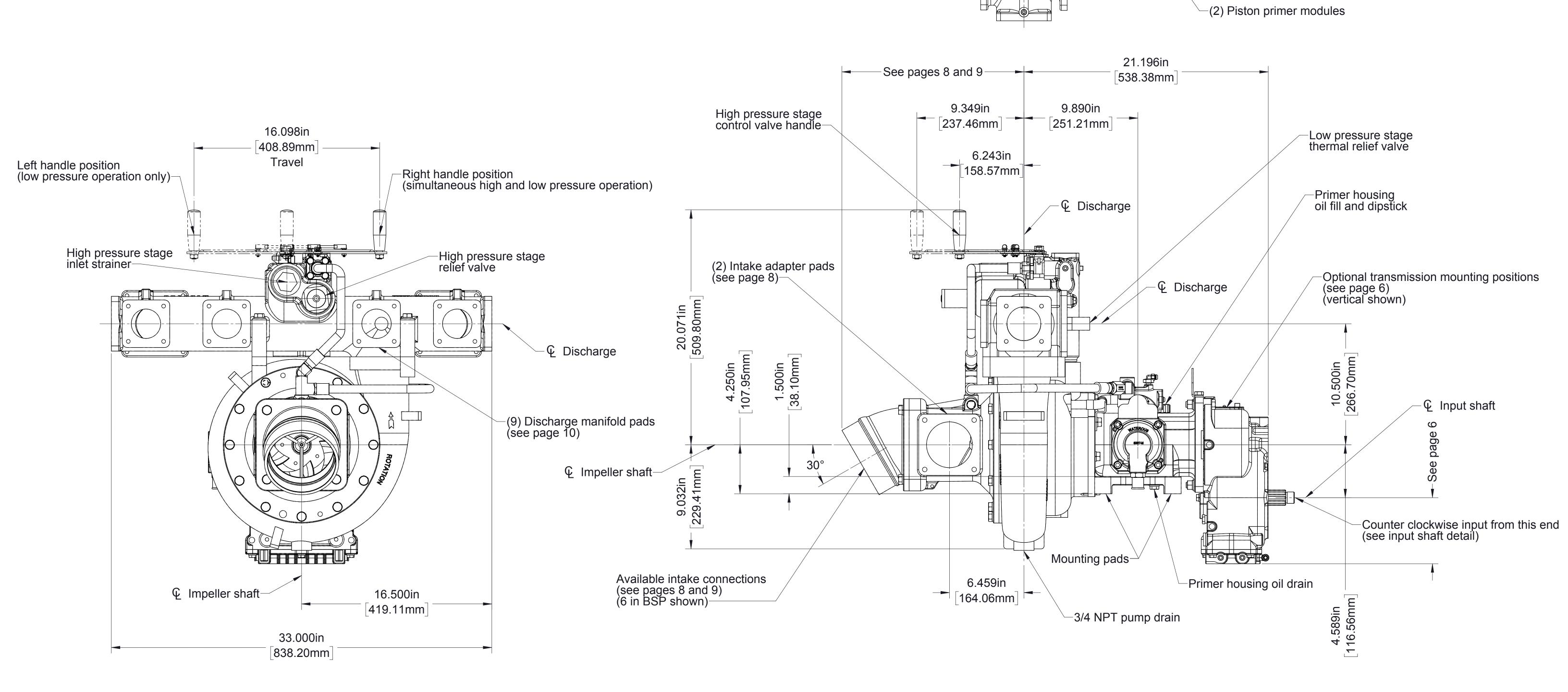
© Discharge







**Input Shaft Detail** 



[327.41mm]

6.000in

152.40mm

Electronic tachometer (3 meter cable furnished with pump)

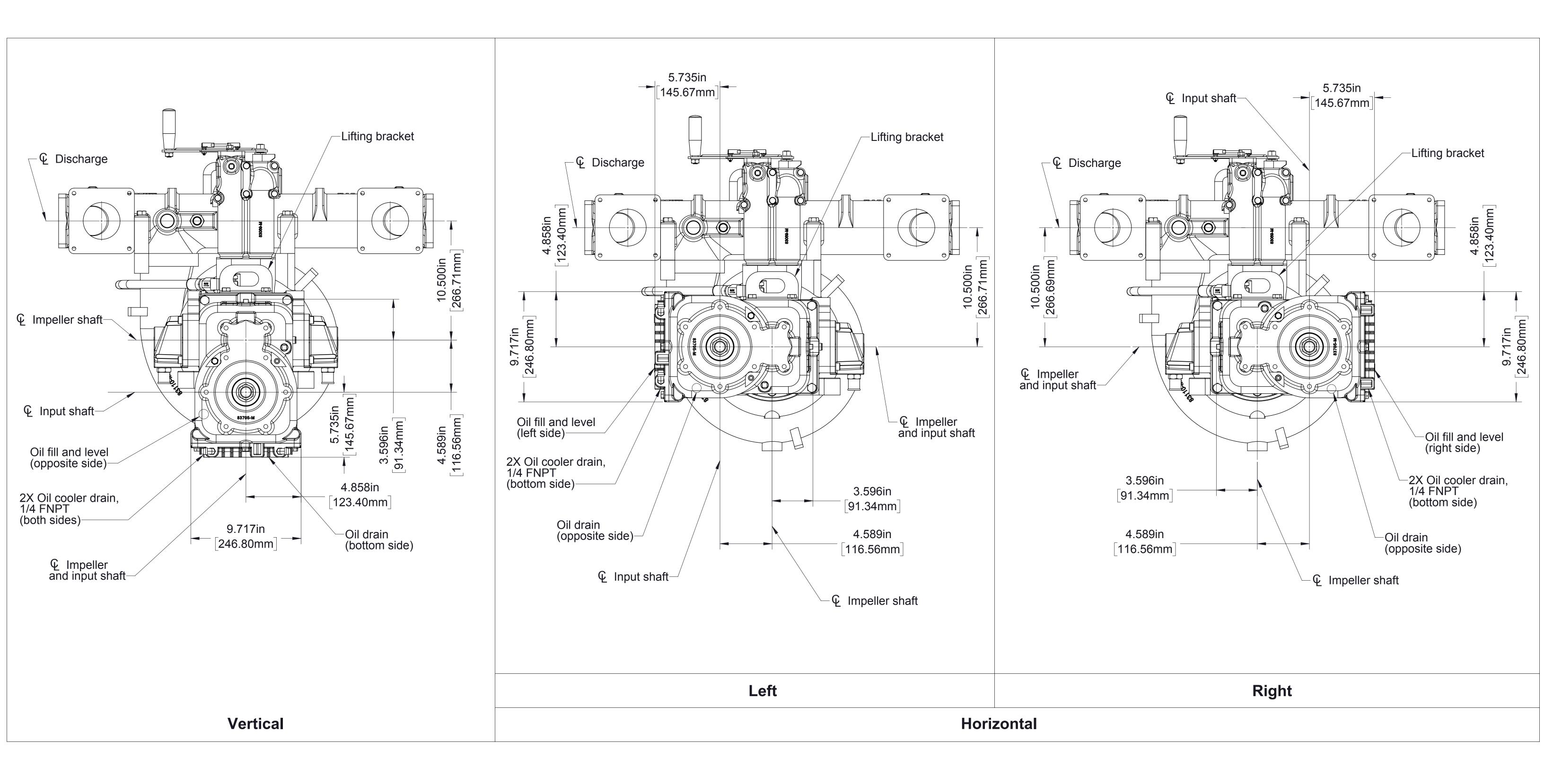
10.500in 266.70mm 16.178in 410.92mm

8.089in 205.46mm

5.250in 133.35mm

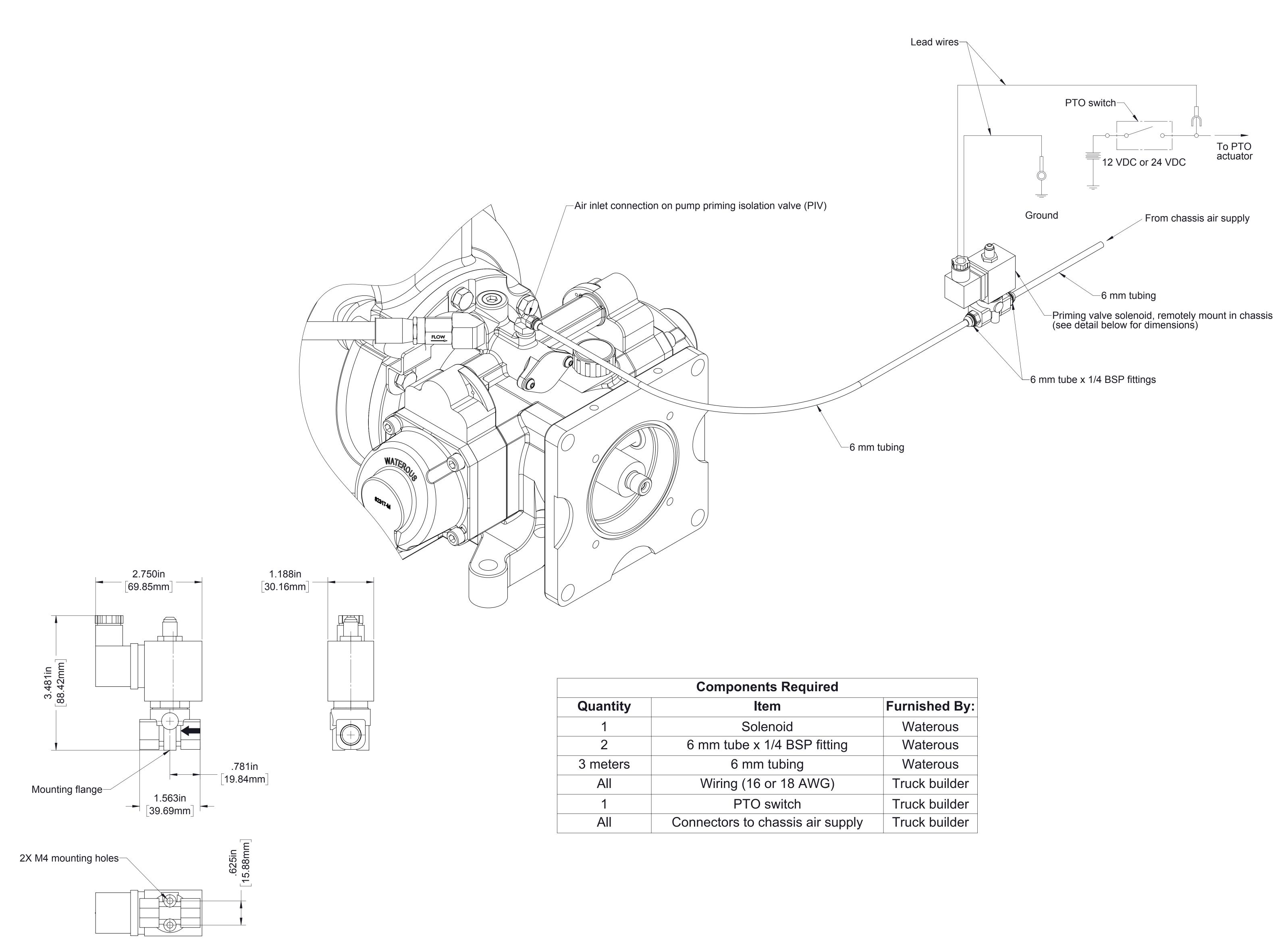
4X ∅.722in/18.34mm

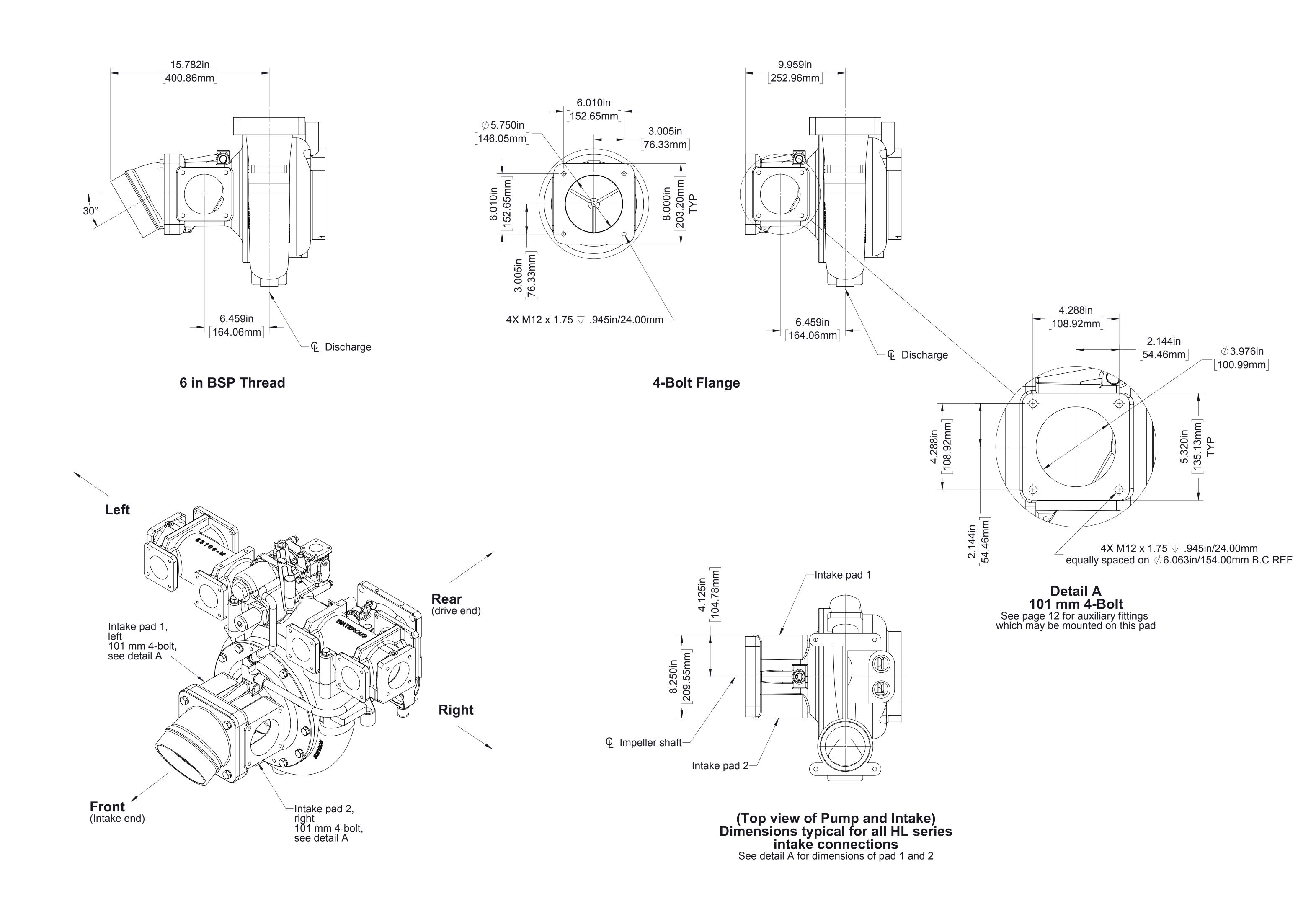
Mounting holes

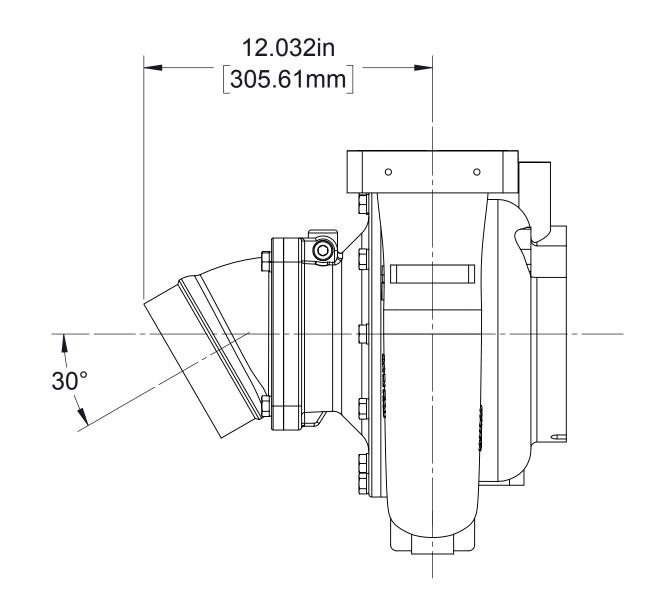


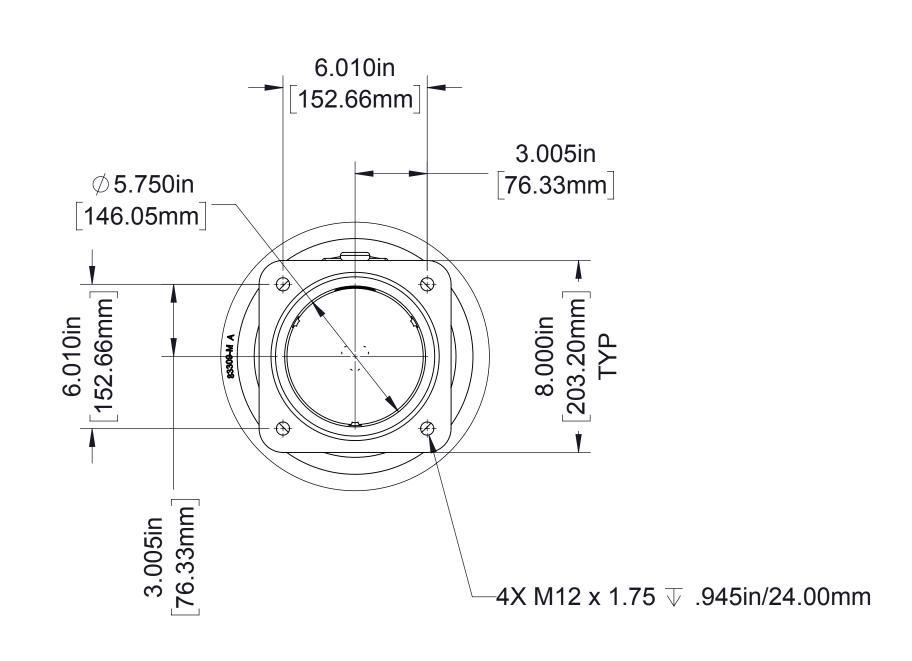
## **Transmission Mounting Positions**

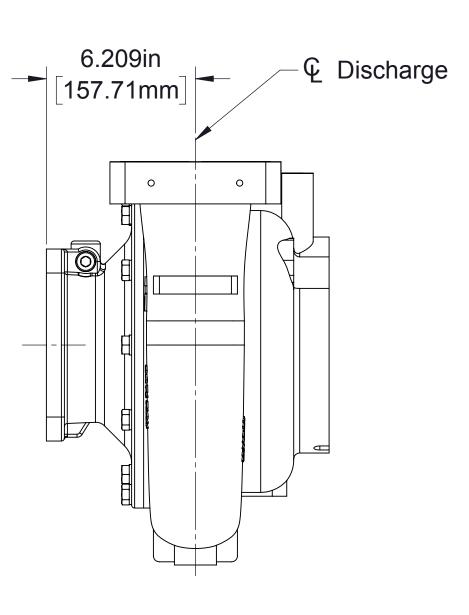
(Defined as viewed from drive end of pump)





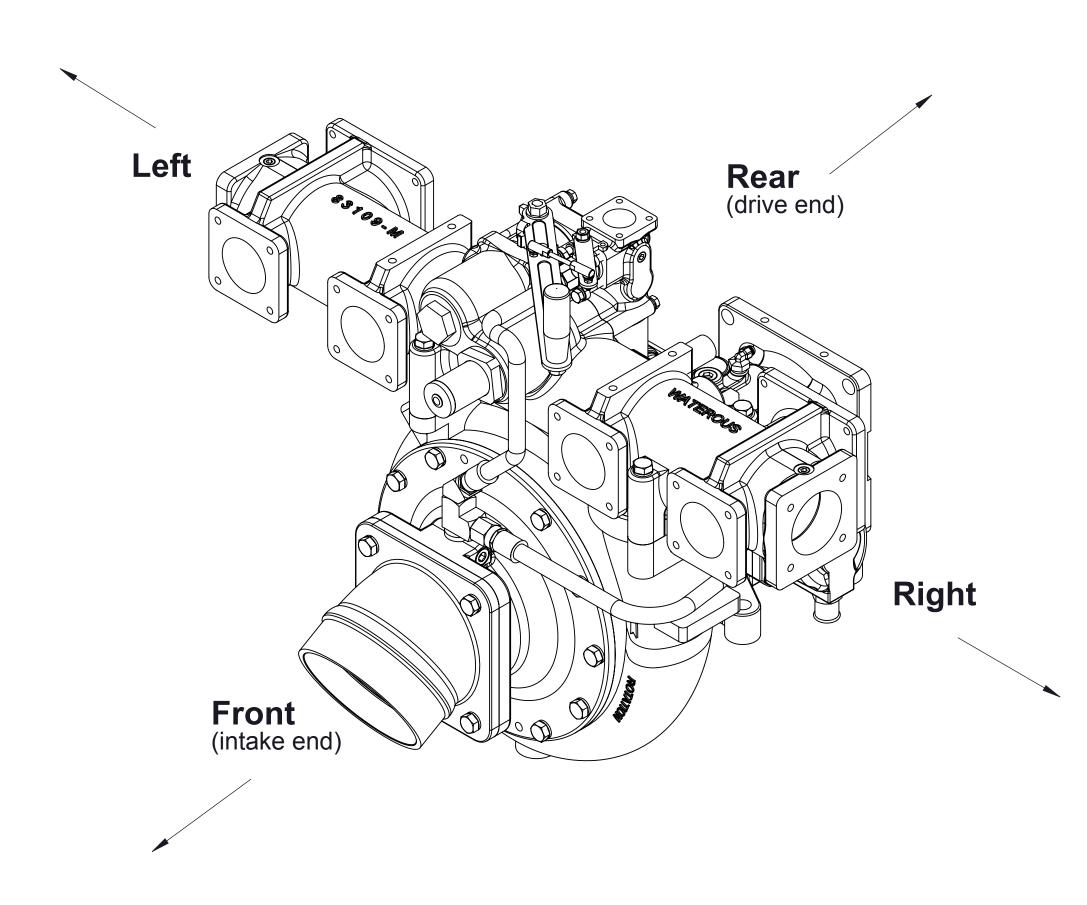


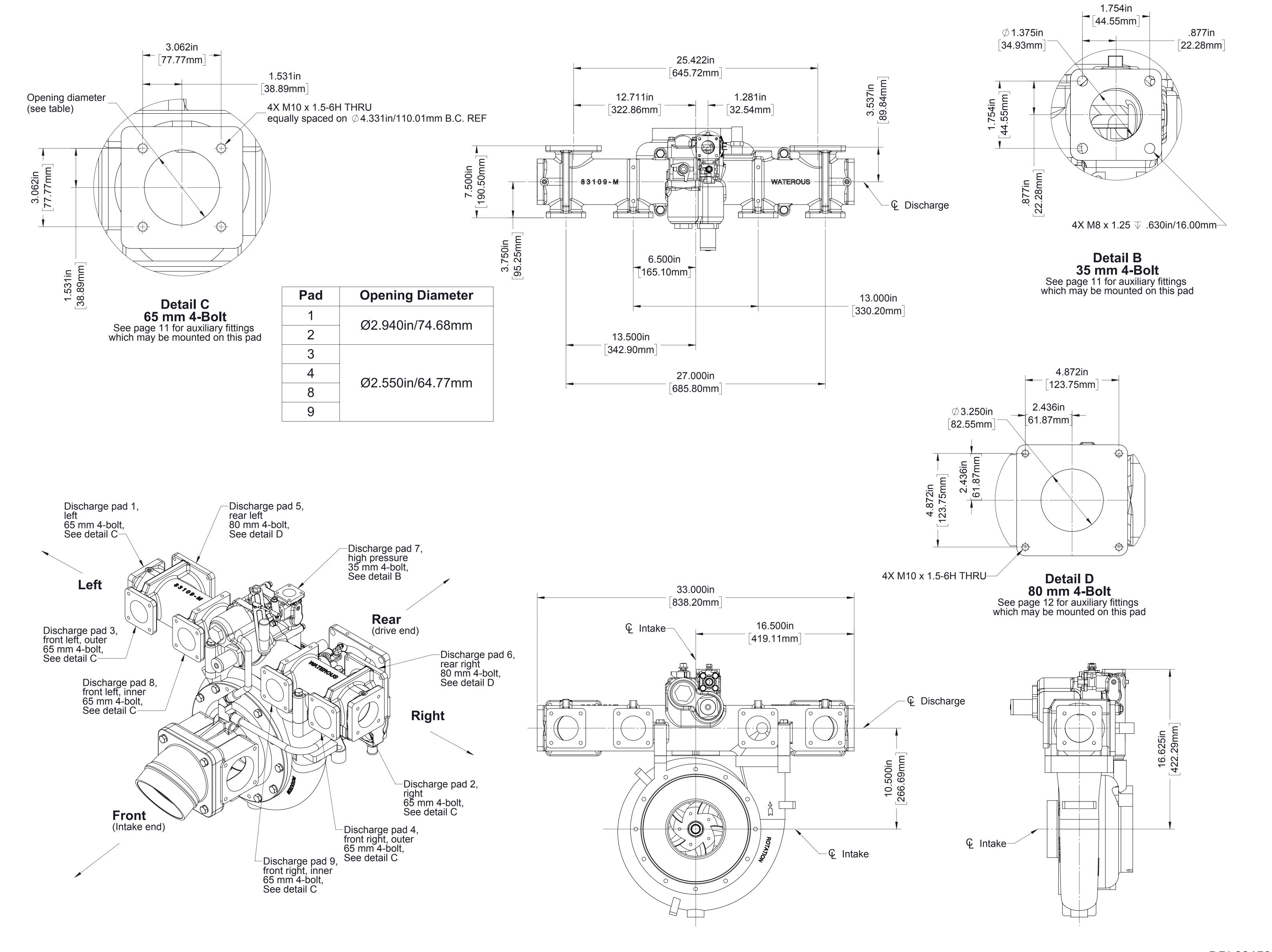


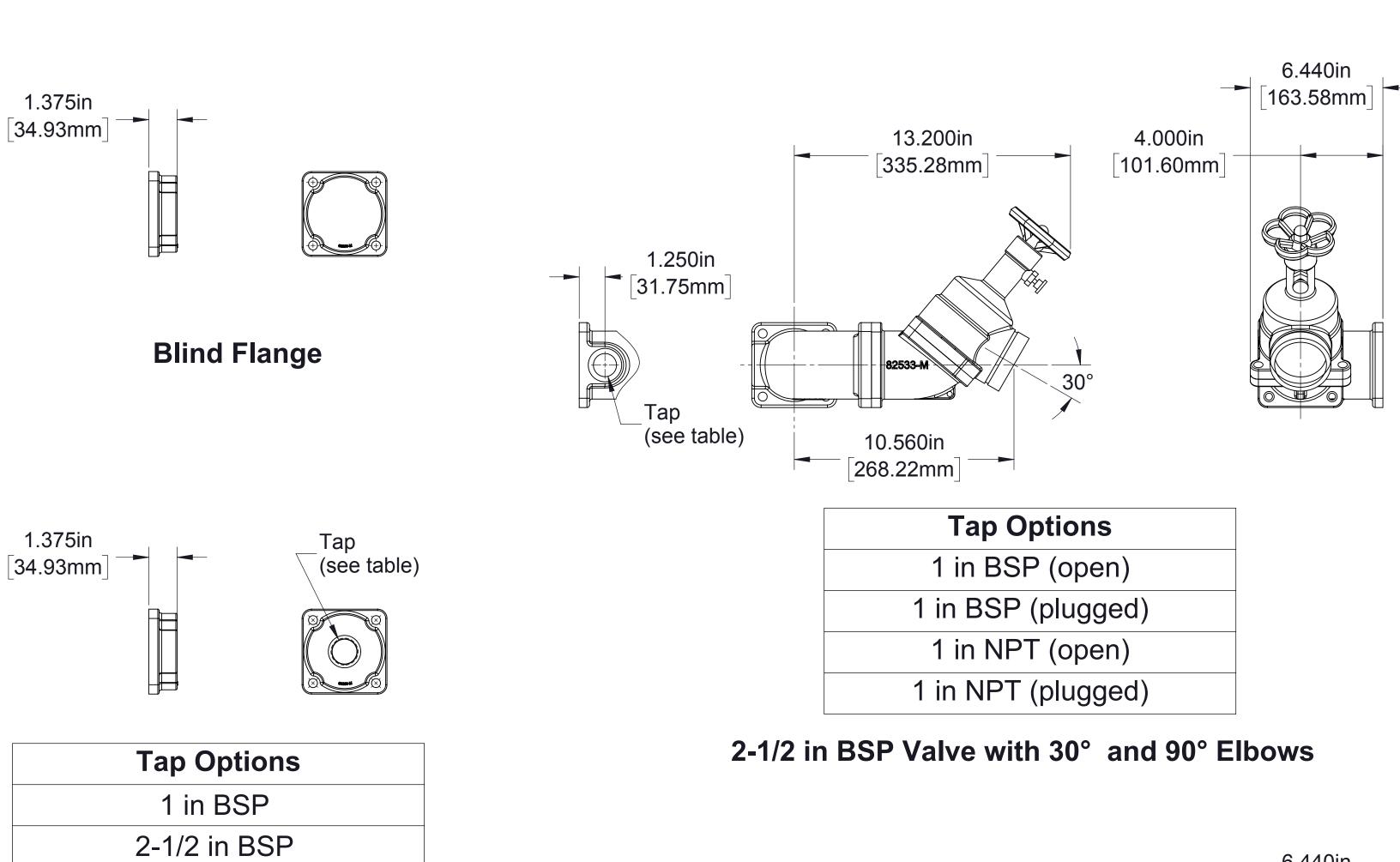


6 in BSP Thread

4-Bolt Flange





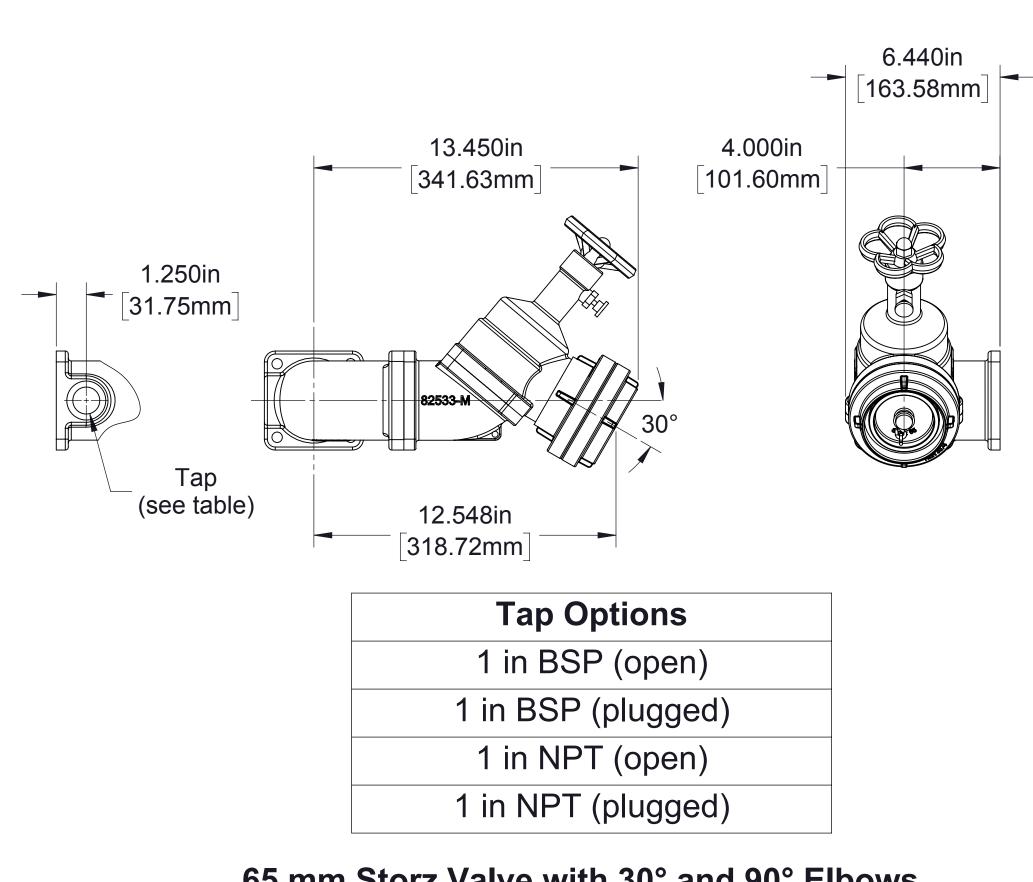


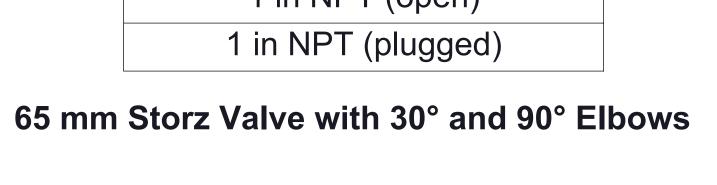
1 in NPT

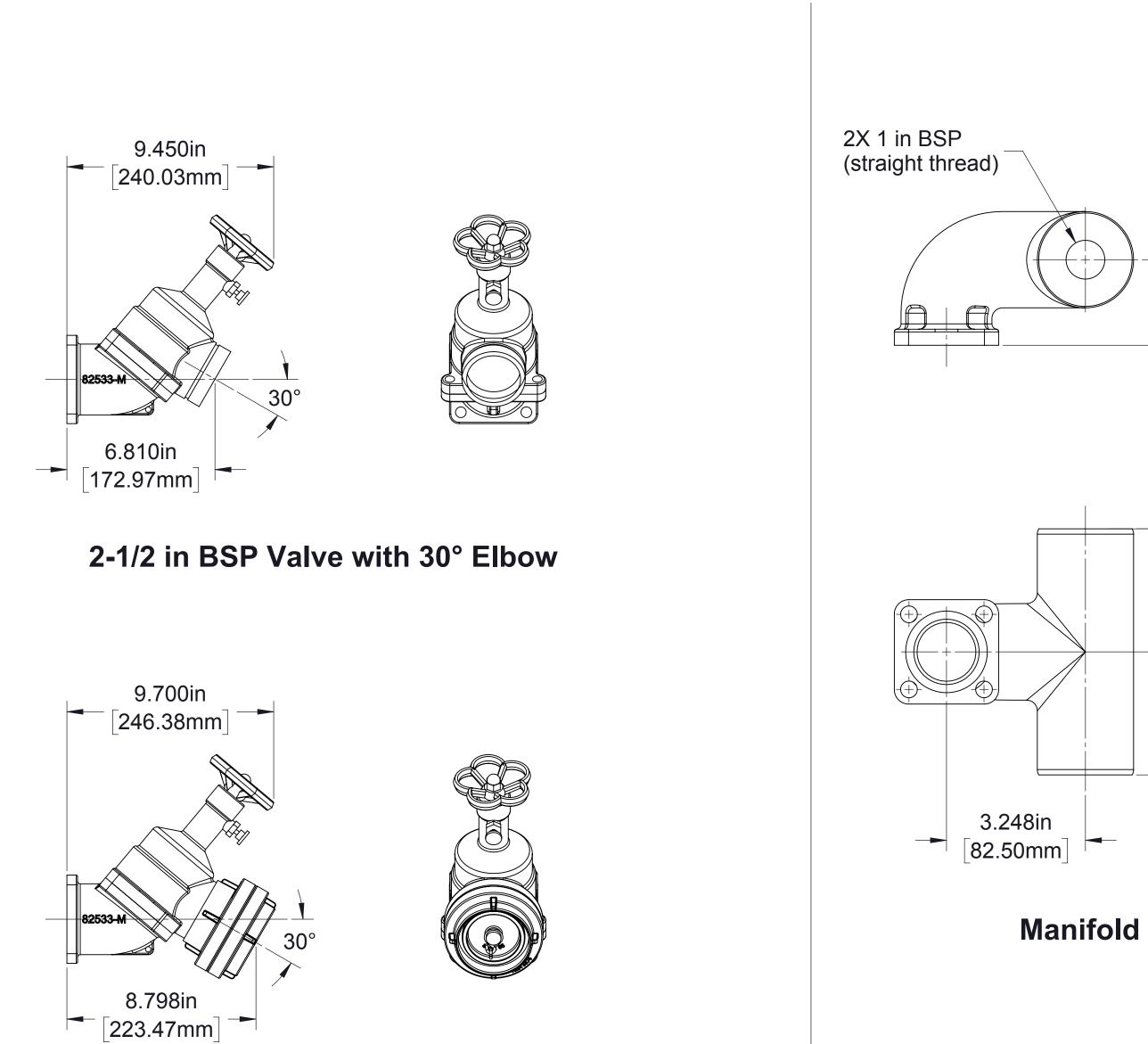
**Tapped Flanges** 

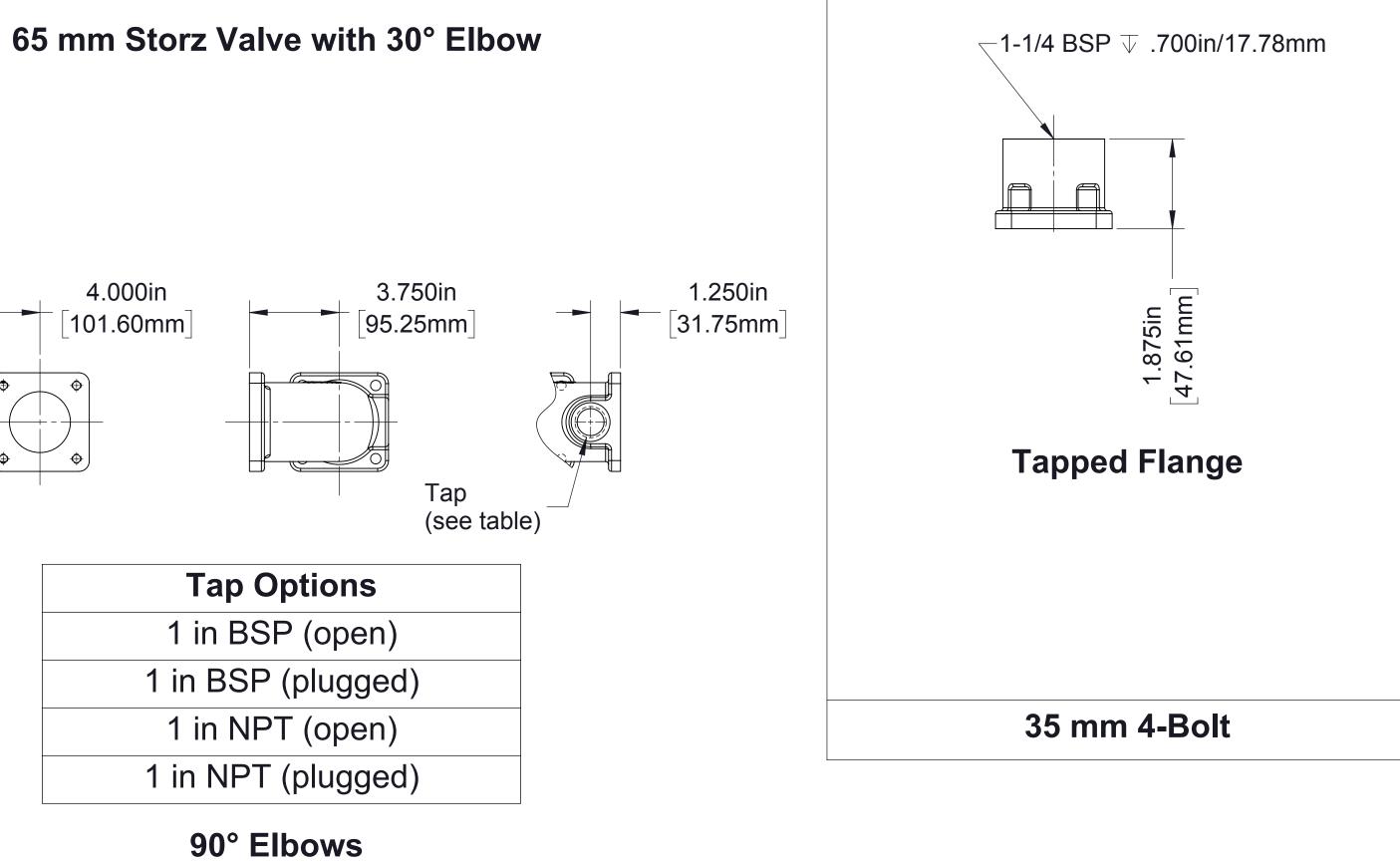
30° Elbow

4.821in [122.45mm]









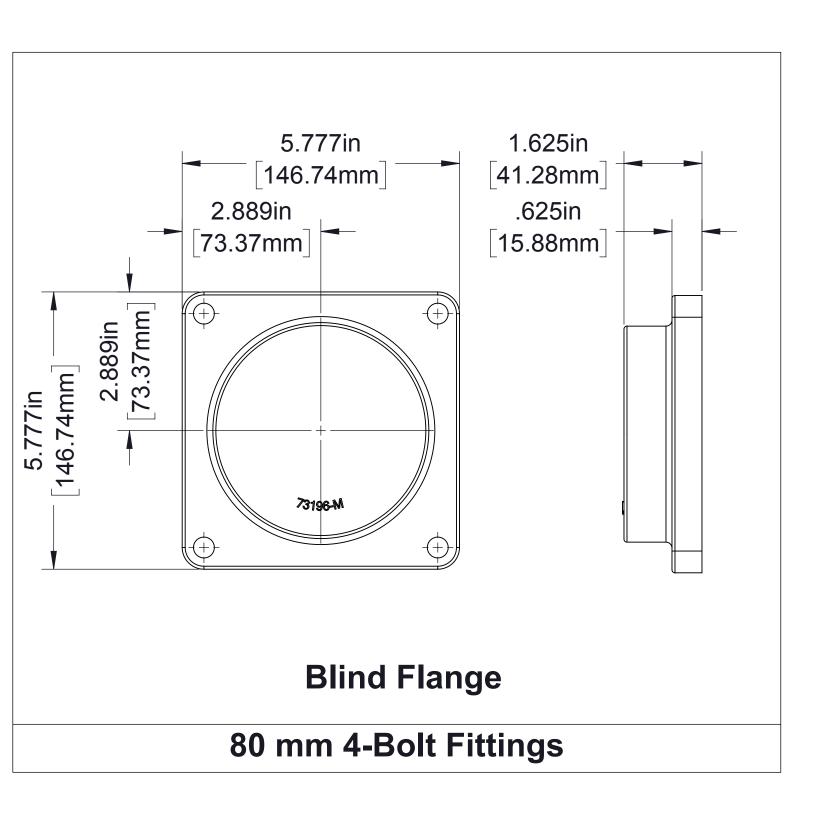
65 mm 4-Bolt

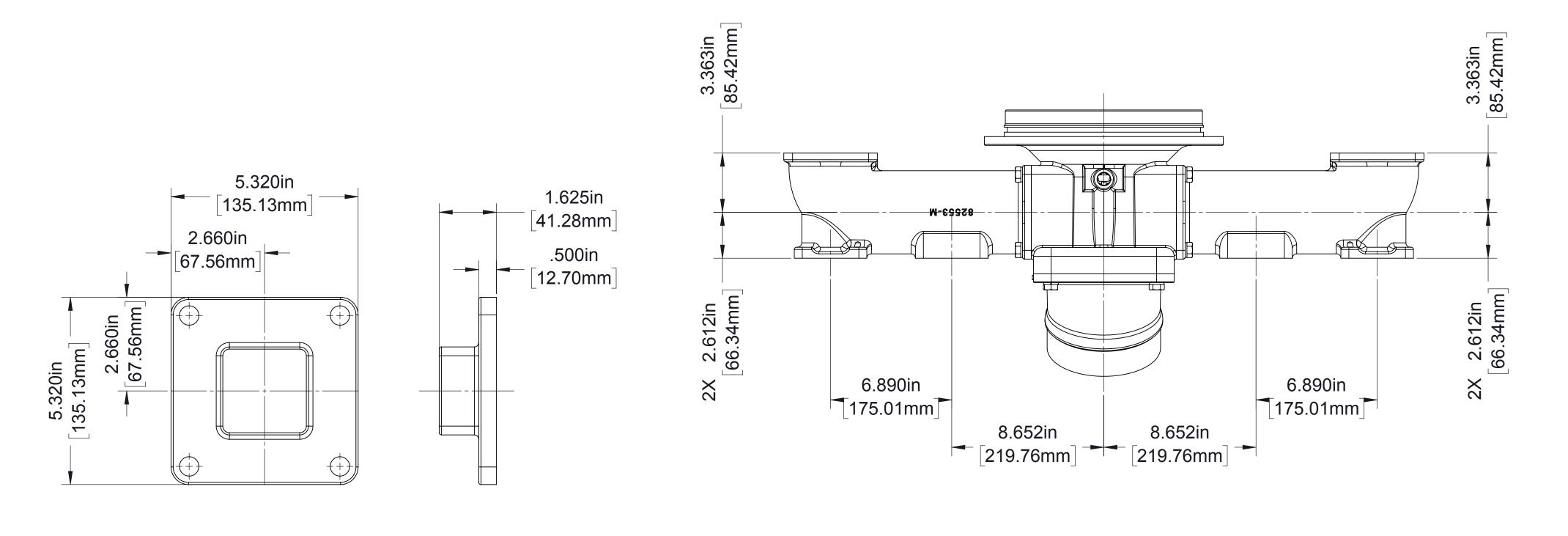
DPL83159 **Auxiliary Fittings** 

2.000in 50.80mm

2.875in [73.03mm]

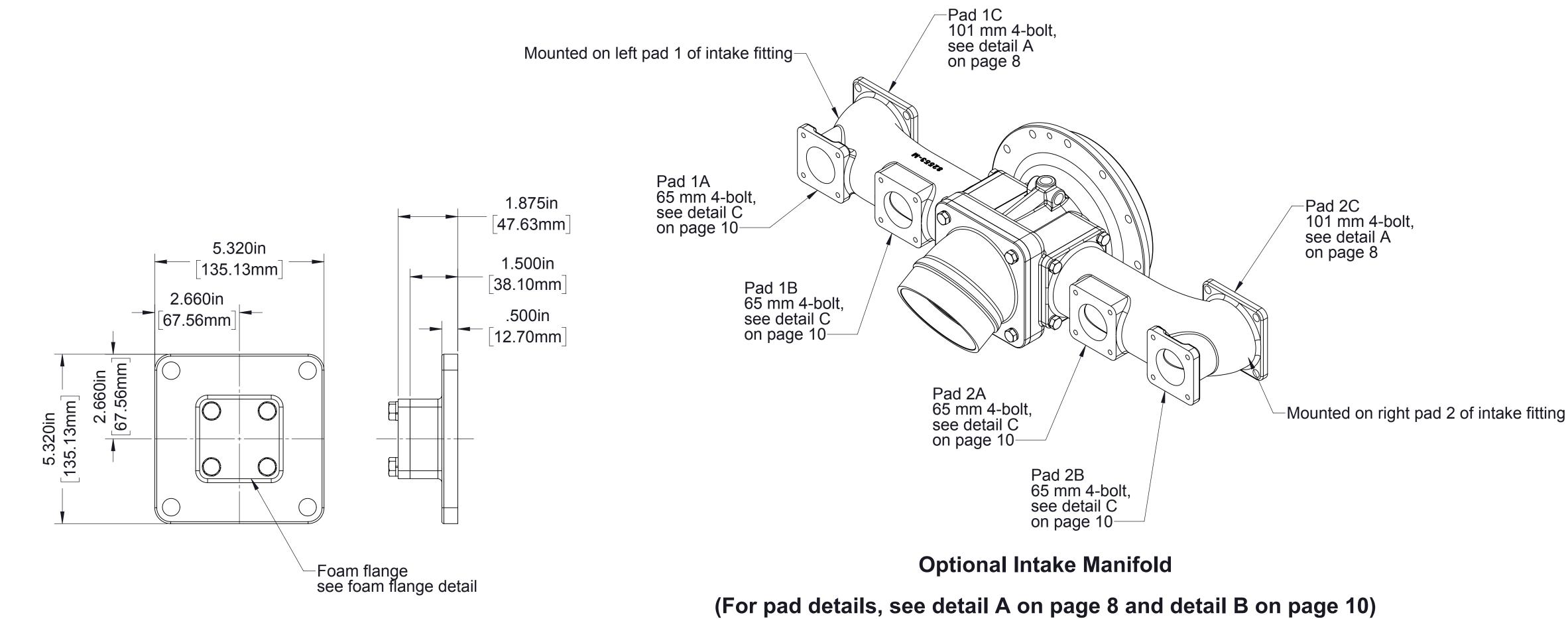
5.750in [146.05mm]





2.500in 63.50mm

 $^{'}$  4X M8 x 1.25  $\overline{\lor}$  .630in/16mm MIN equally spaced on  $\bigcirc$  2.480in/62.99mm B.C.REF



Foam Flange Detail

1.754in

44.55mm

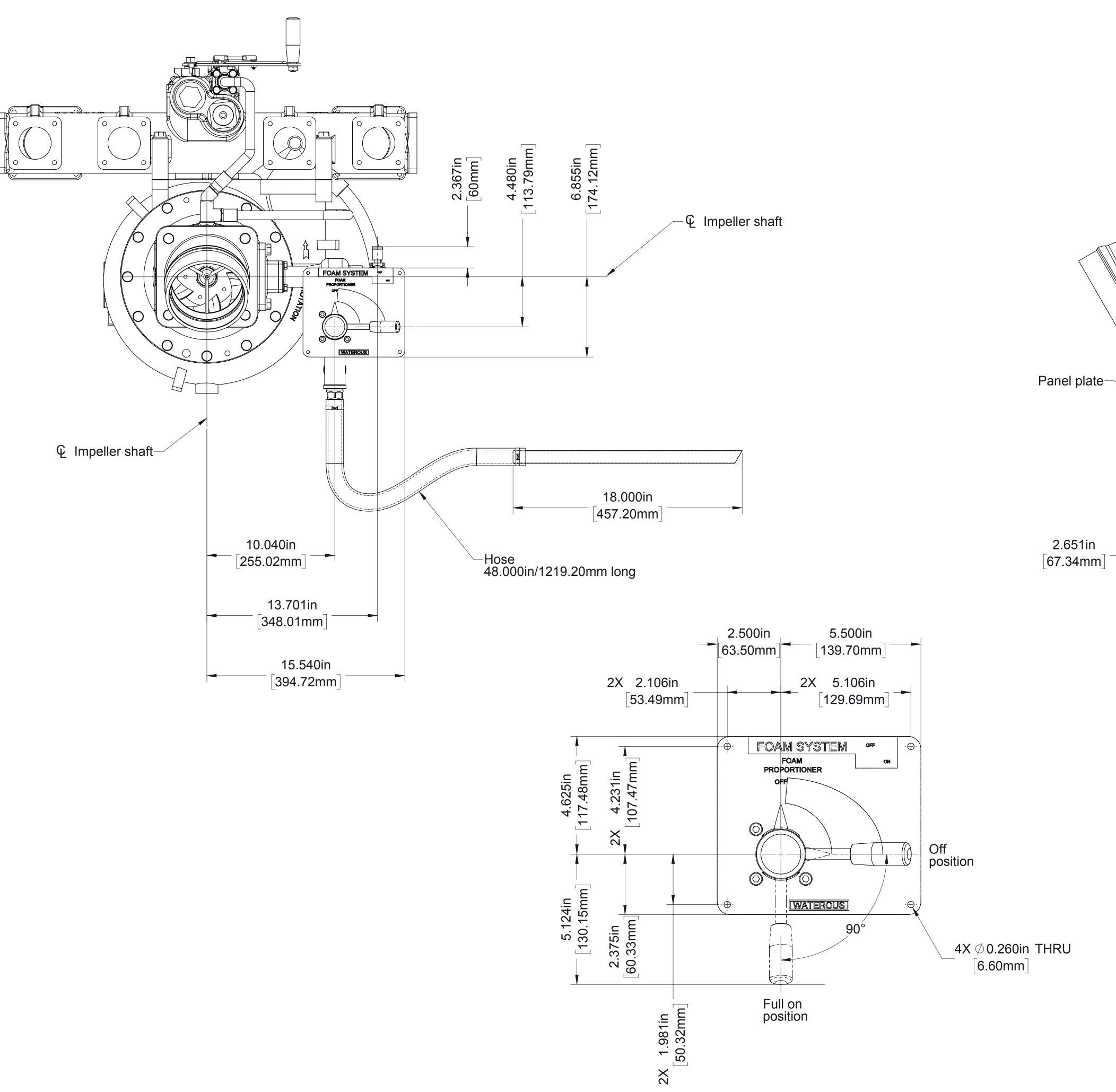
.877in

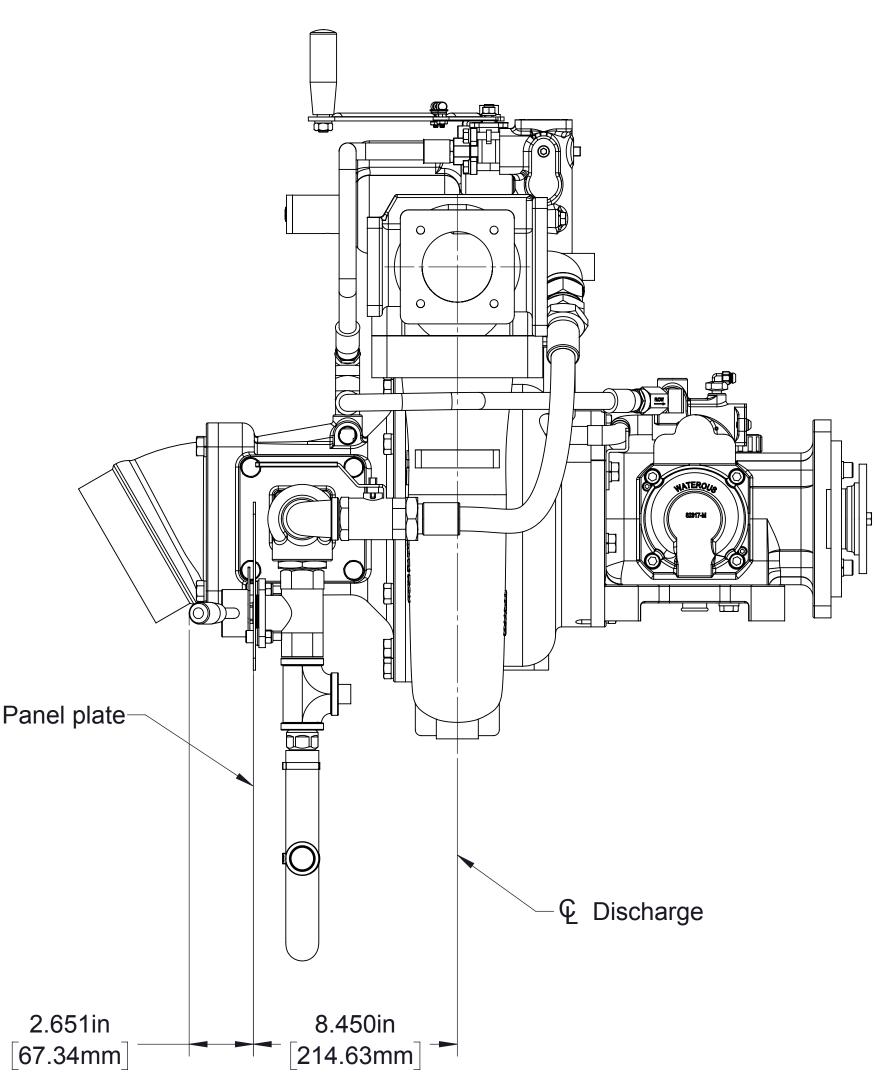
[22.28mm]

1.754in [44.55mm]

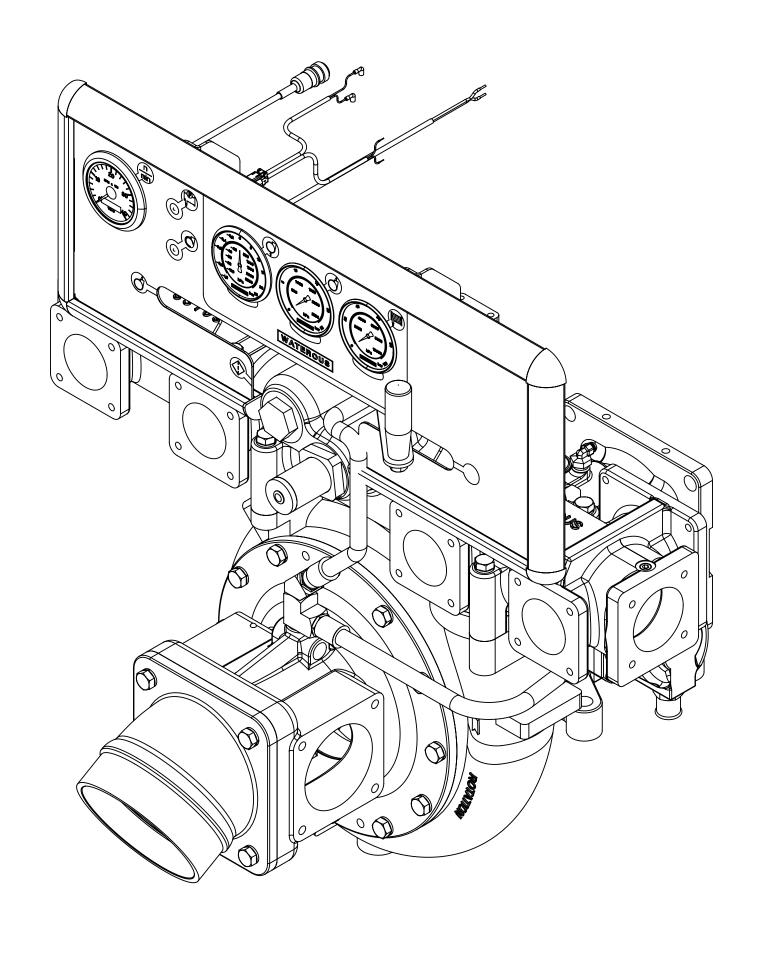
Foam Flange with Blind Foam Pad

Blind Flange

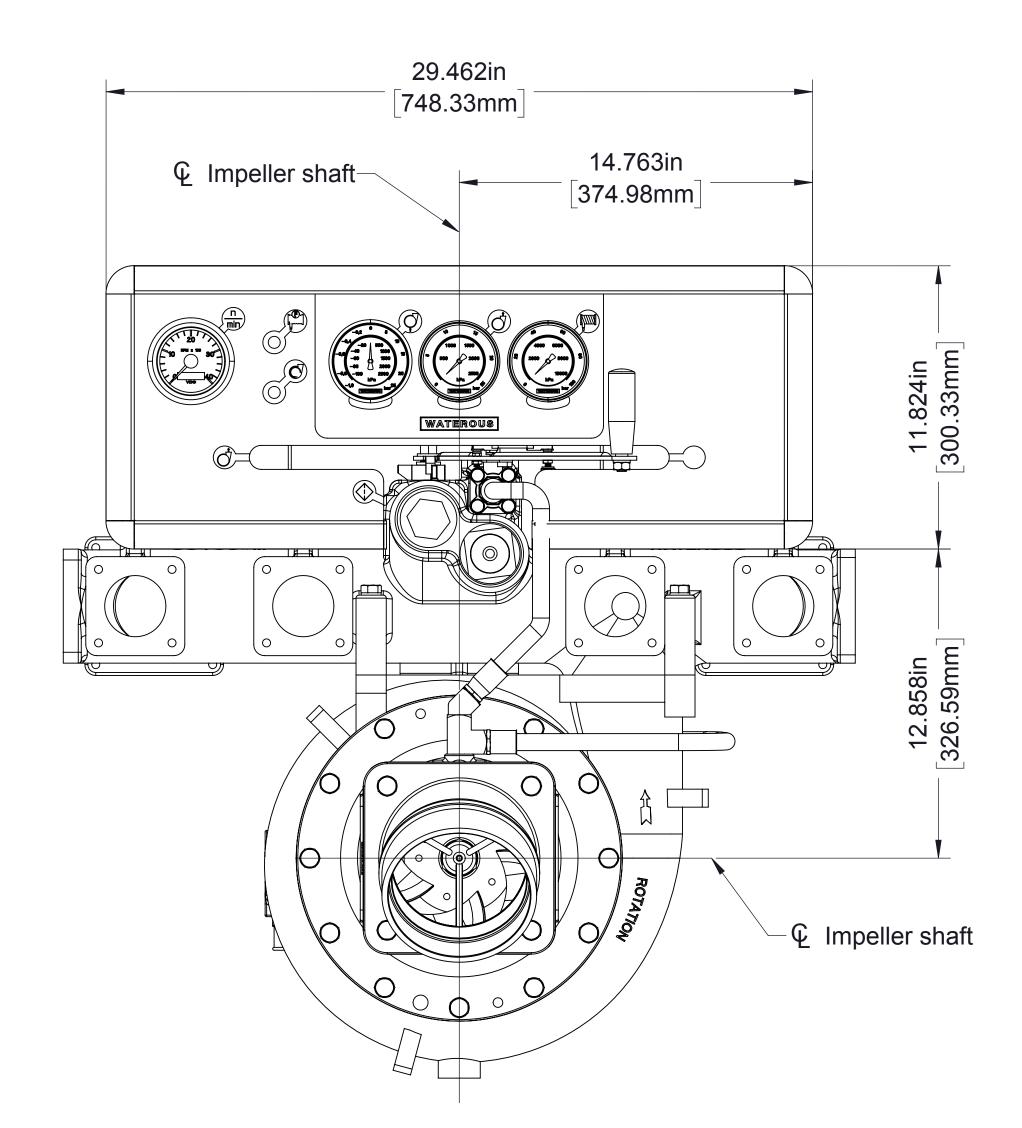


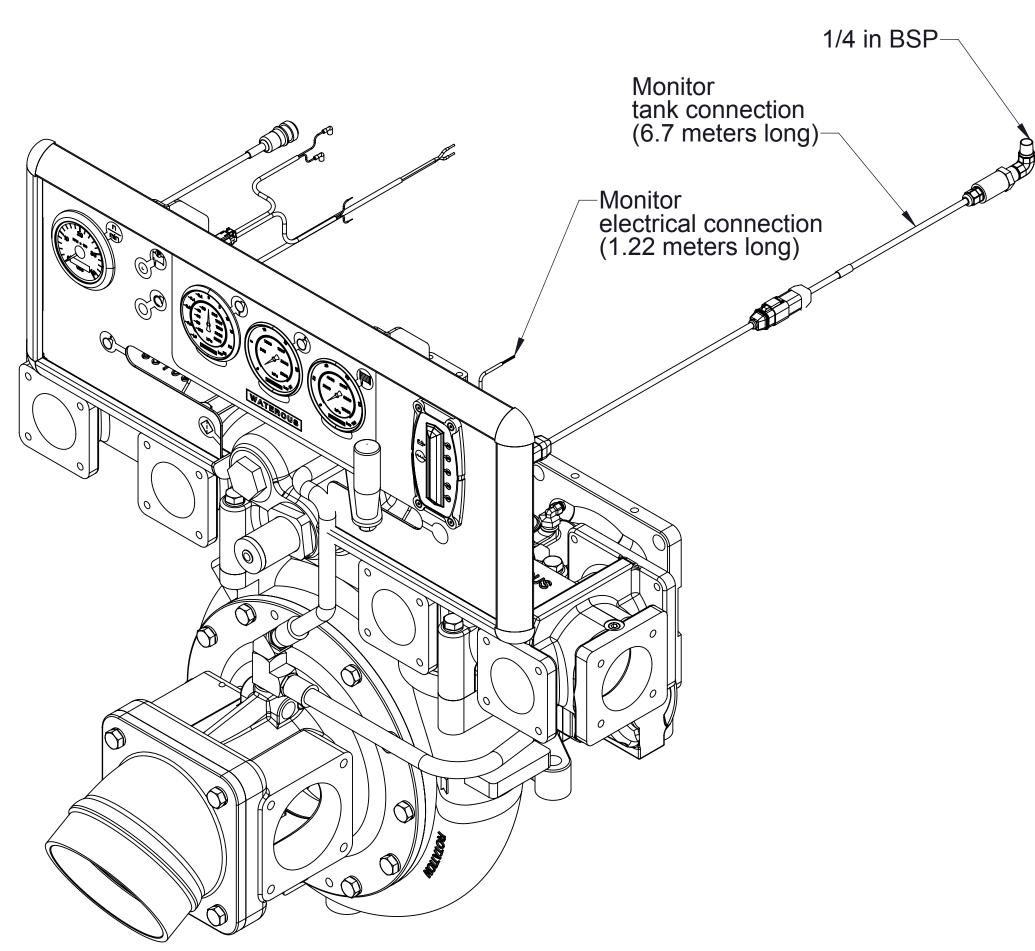


## **Available Panel Configurations**

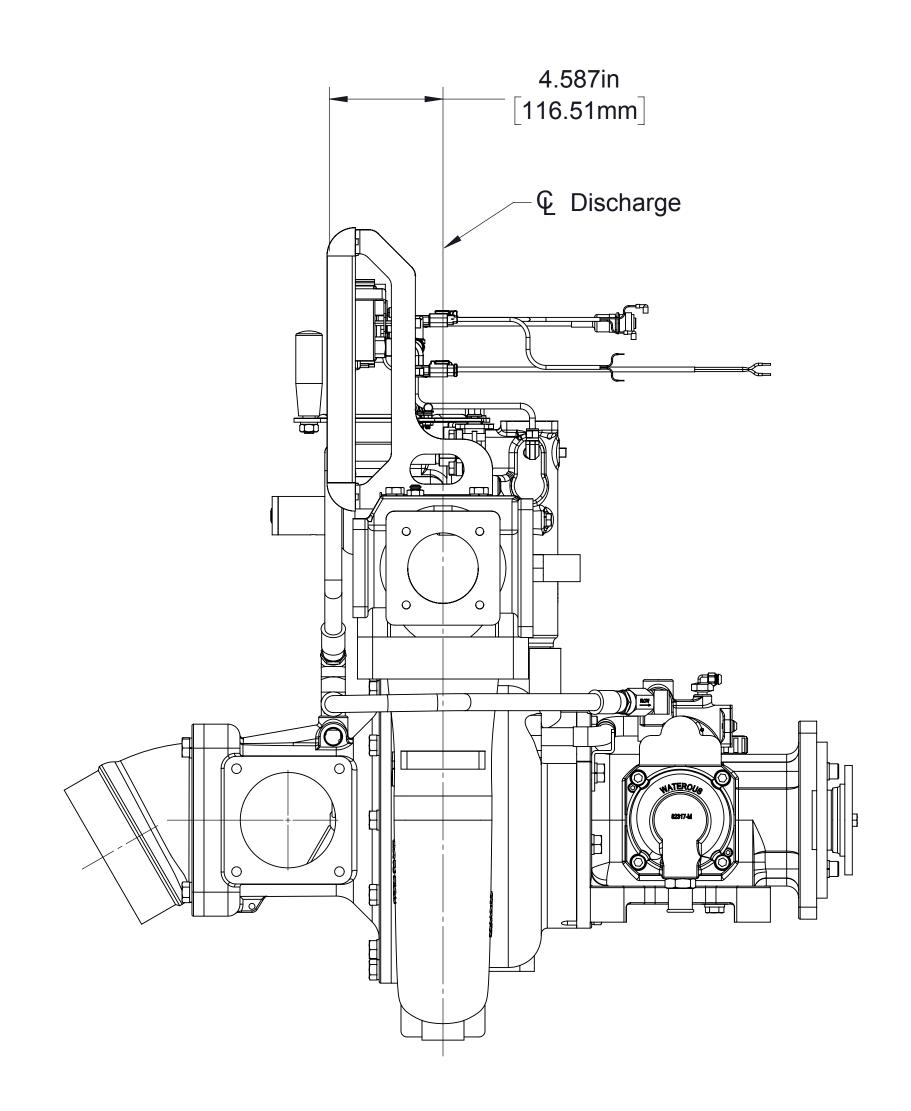


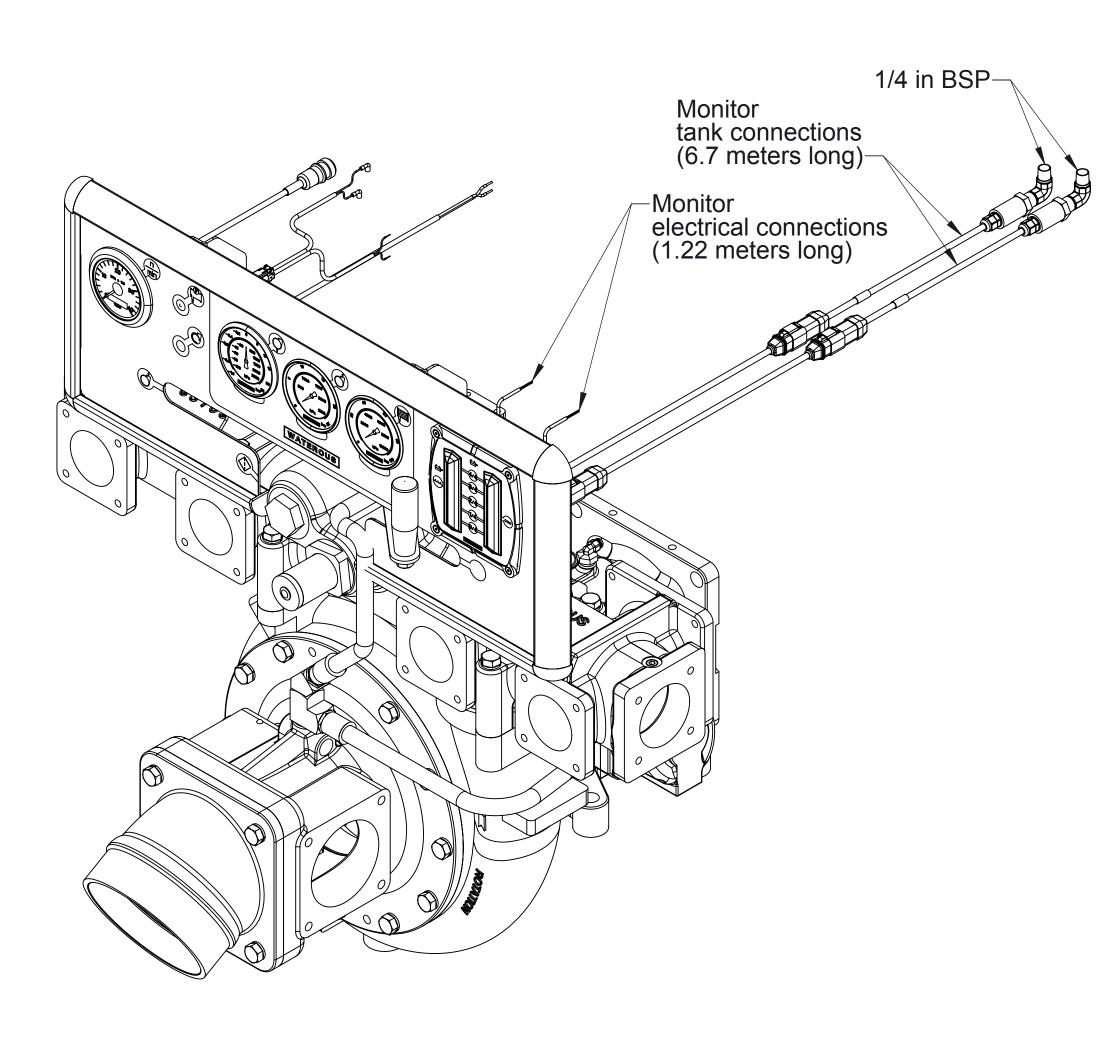
Without Tank Level Monitors





With Water Tank Level Monitor Only





With Water Tank and Foam Tank Level Monitors

