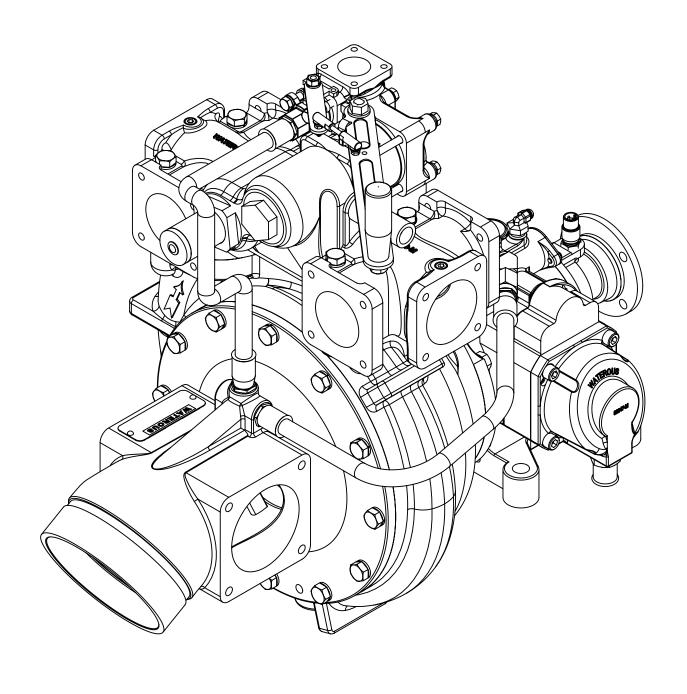
# WATEROUS

## HL200 and HL300 Series Pump Dimensional Drawings

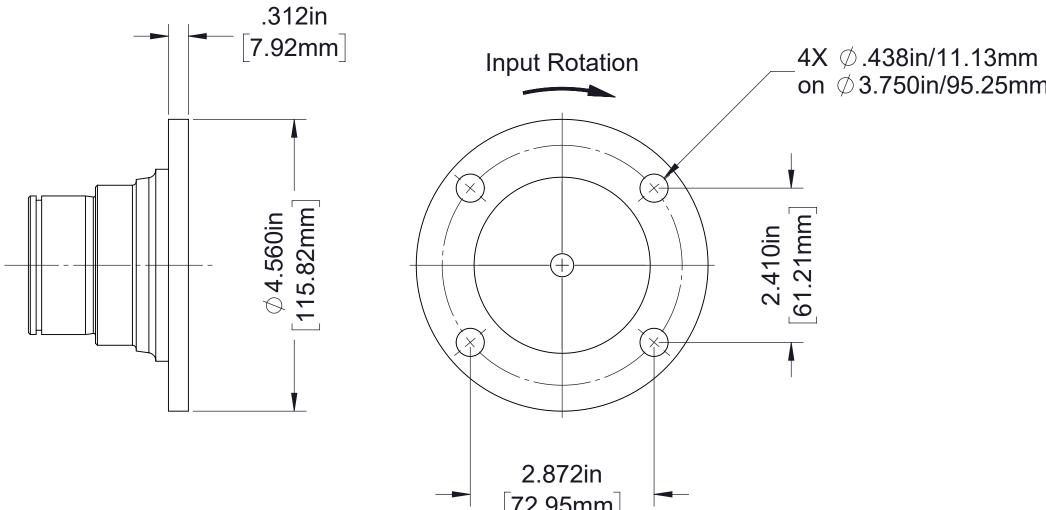
Pump Model		Drive		Impeller Rotation (2)	See Page										
	Туре	Input Shaft	Input Rotation (1)		Pump and Transmission			Available			Optional				
					Pump	Transmission Mounting Positions	Priming Isolation Valve (PIV) Solenoid Valve	Intake Connections	Discharge Manifold	Auxiliary Fittings	RTP Foam System		Control Panels		Gauges
											Mounted on Pump	Remotely Mounted	Panels	Wiring Schematic	and Monitors
HL200D HL300D	Direct Drive	1410 Series Companion Flange		CCW	2		7	8, 9	10	11, 12	13	See DPL83197	14	15	16
HL300D			CCW	CW	3										
HL200K HL300K	Heavy Duty K Series Transmission	SAE Solina	CW	CW	4	6									
			CCW	CCW	5	6									



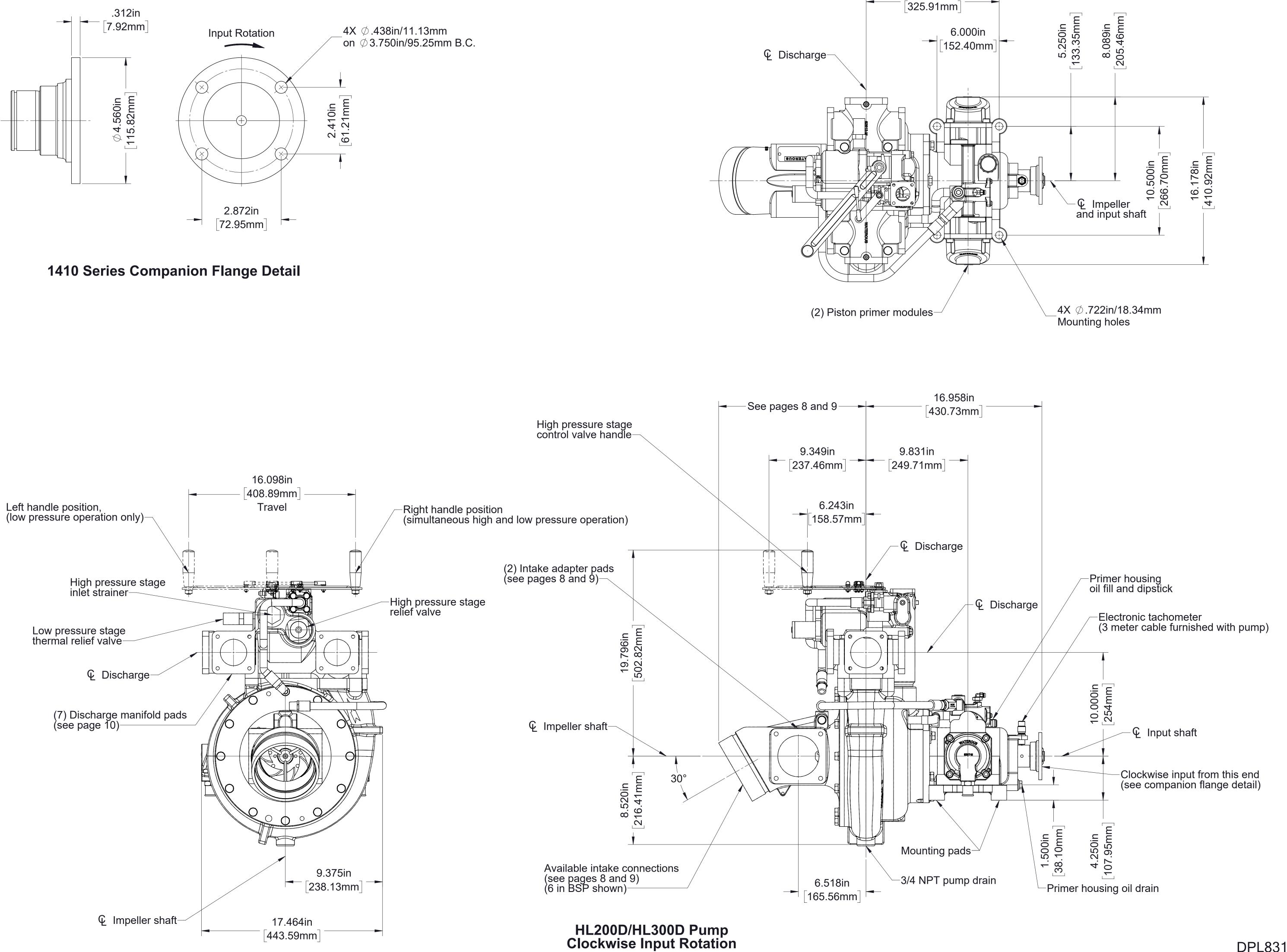
WaterousCompany, 125 Hardman Avenue South, South St. Paul, Minnesota 55075 USA (651) 450-5000 www.waterousco.com Dimensions subject to change without notice.

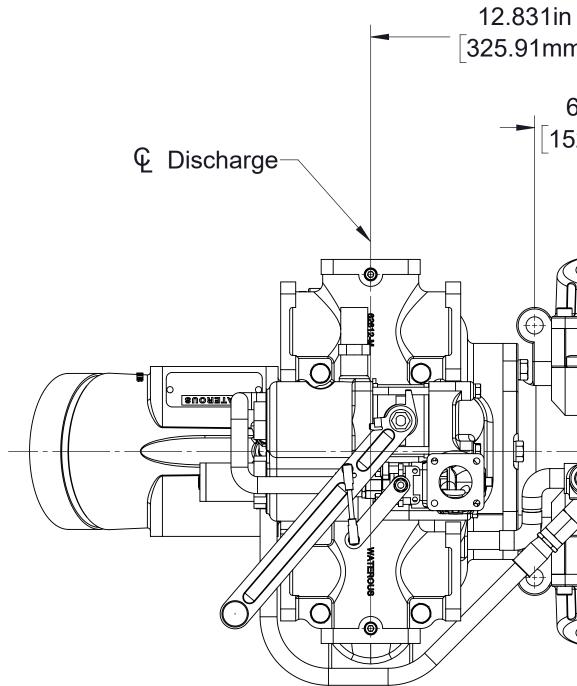
Notes: 1. Drive input rotation defined as viewed looking directly at direct drive or transmission input shaft. 2. Impeller rotation defined as viewed looking directly into impeller eye from intake end of pump.

## Issue Date 08/08/11

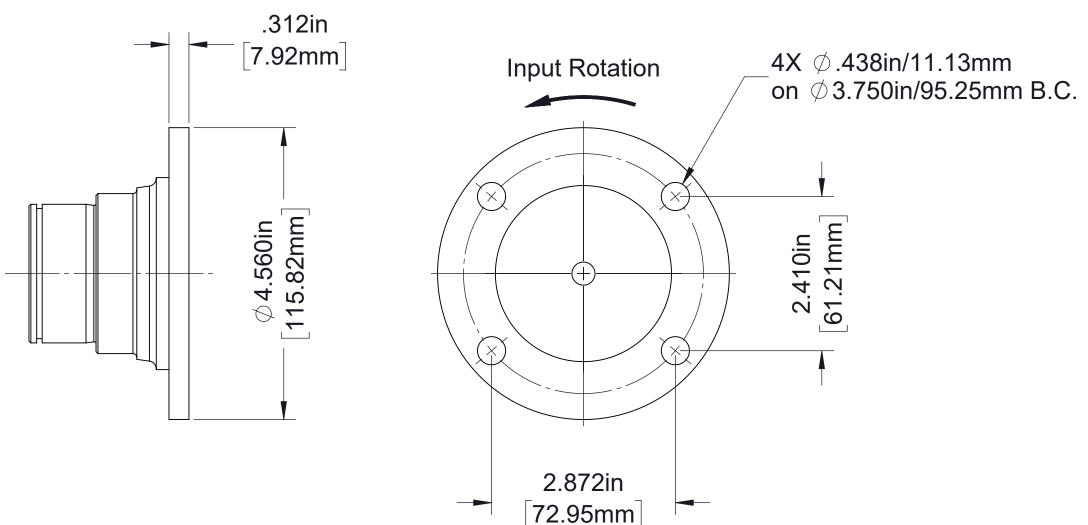


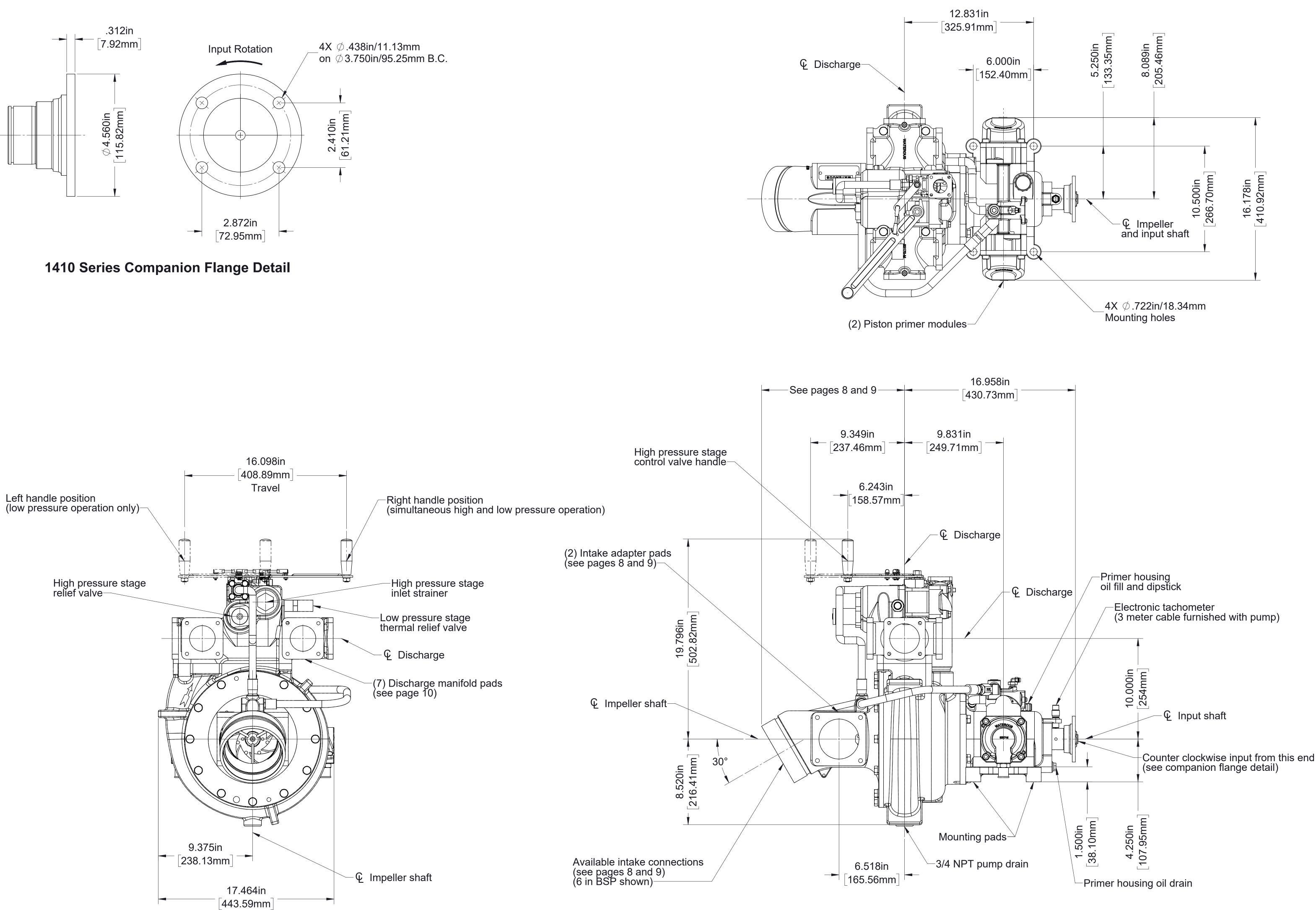




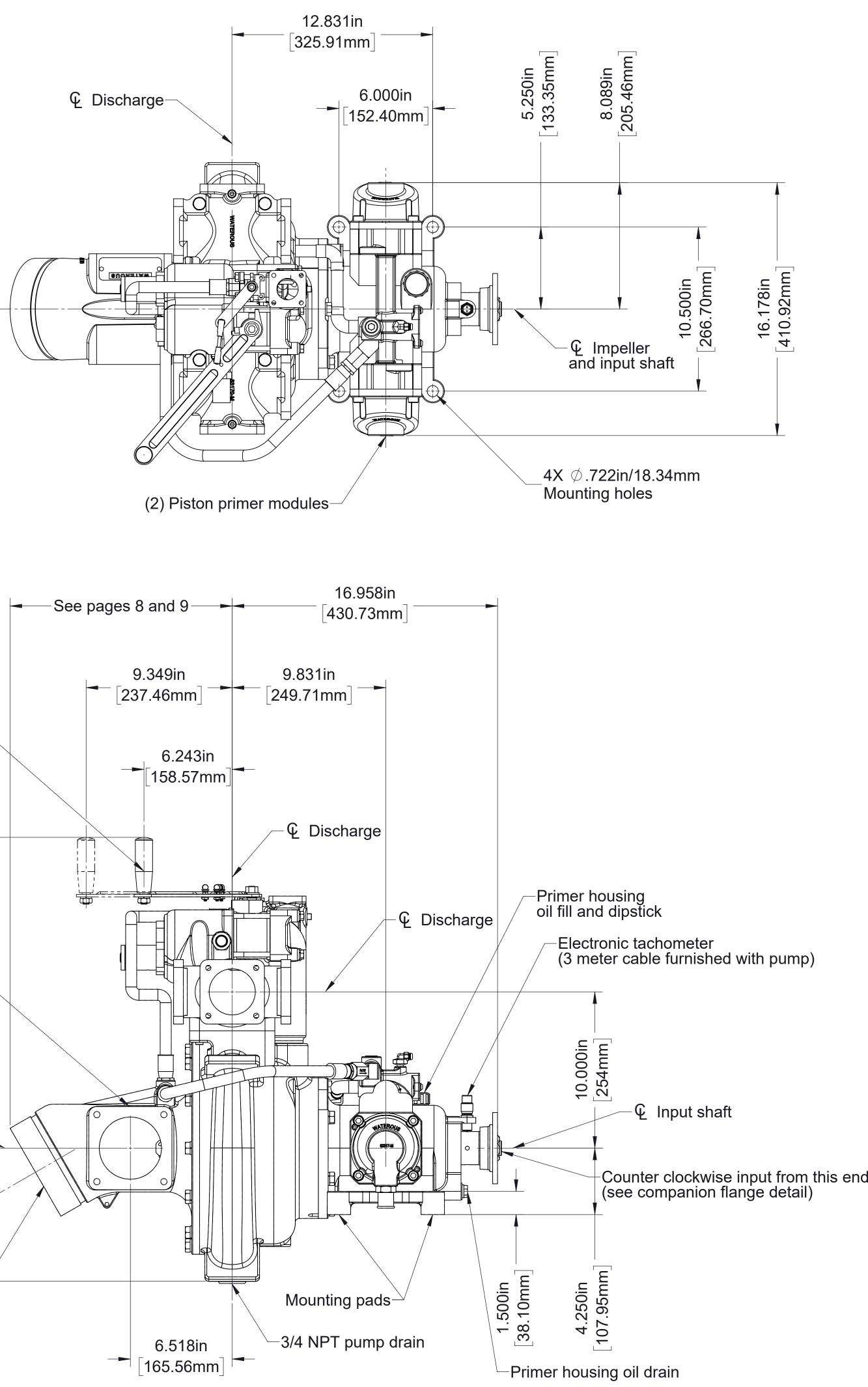


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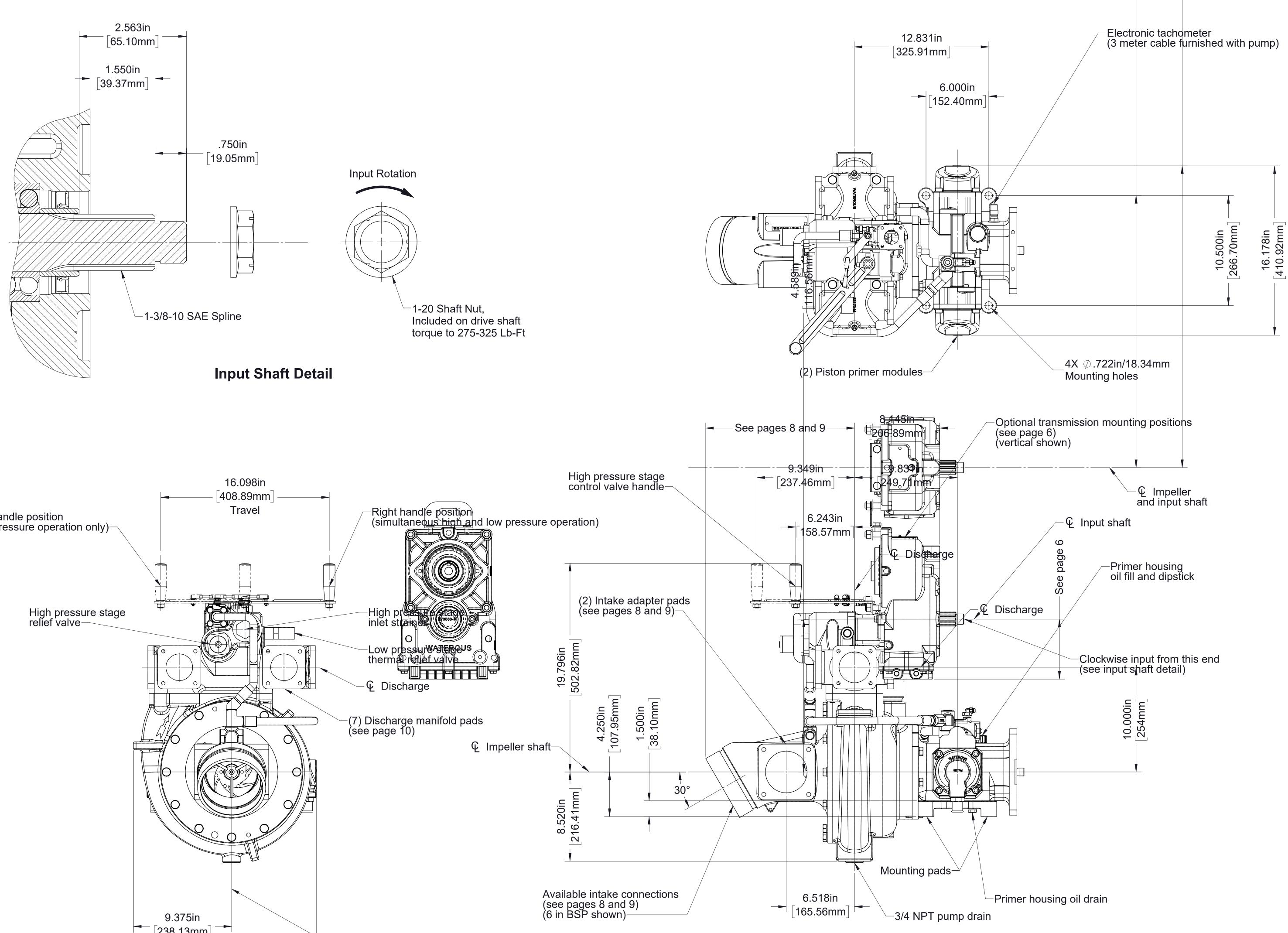


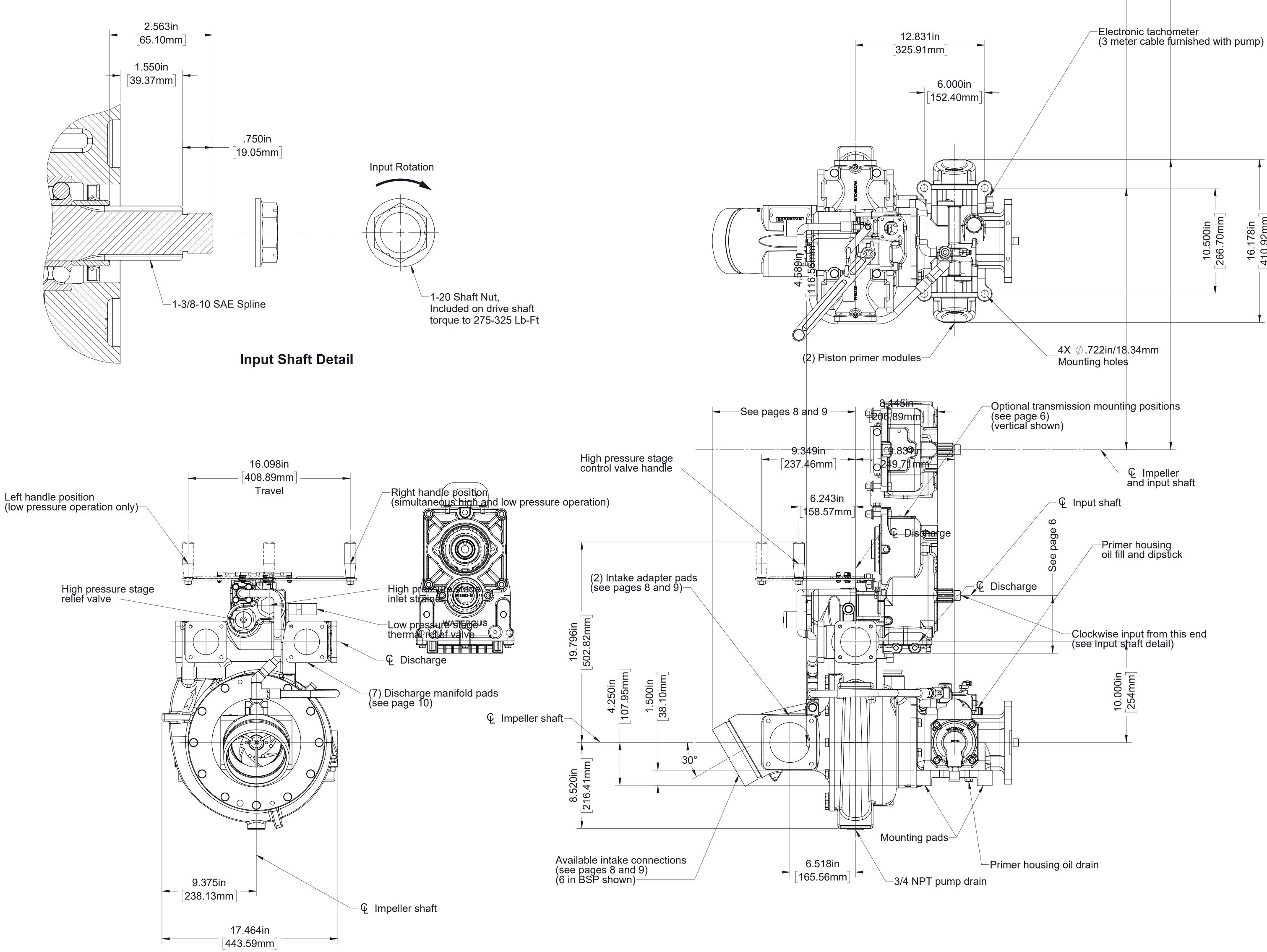






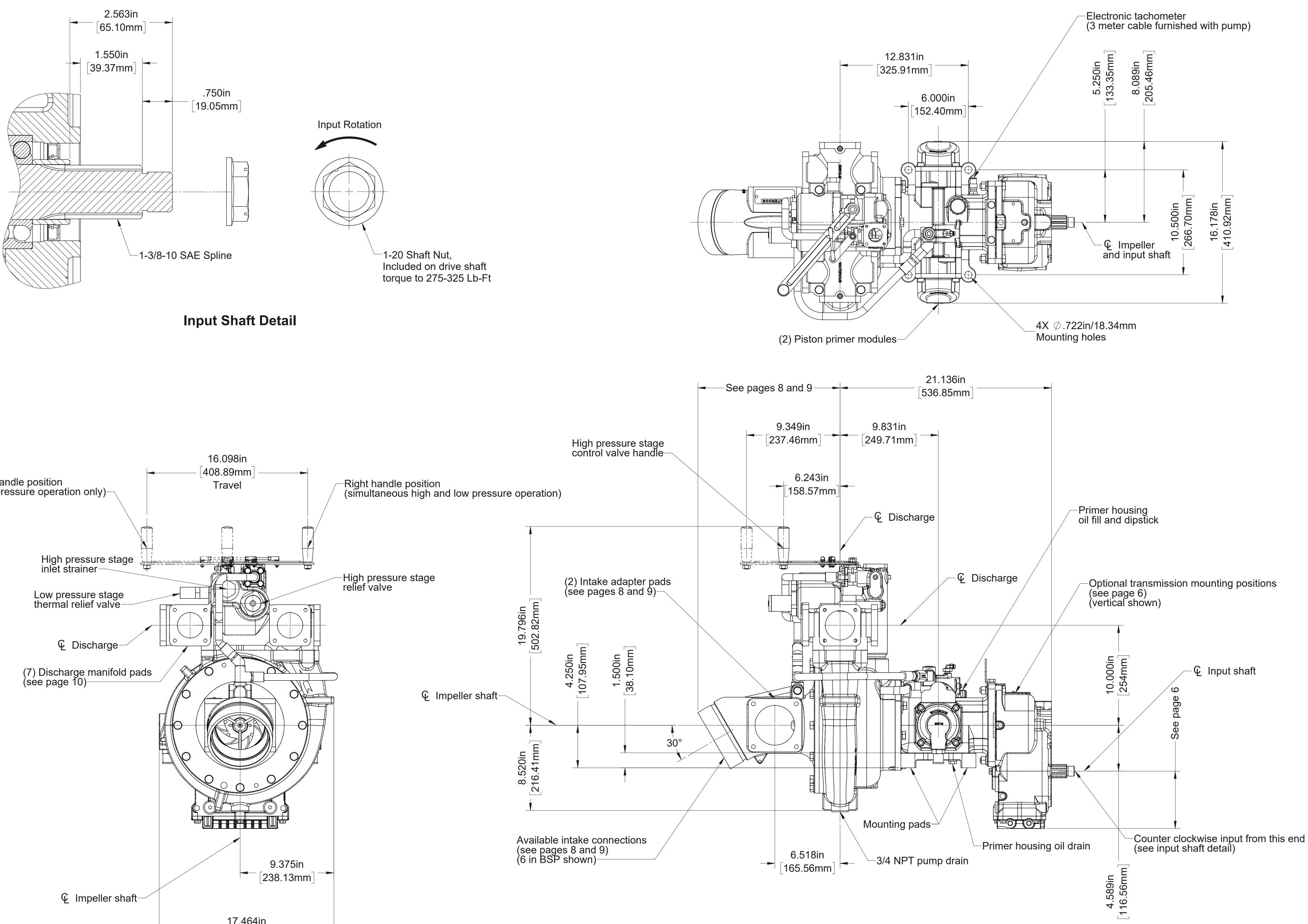
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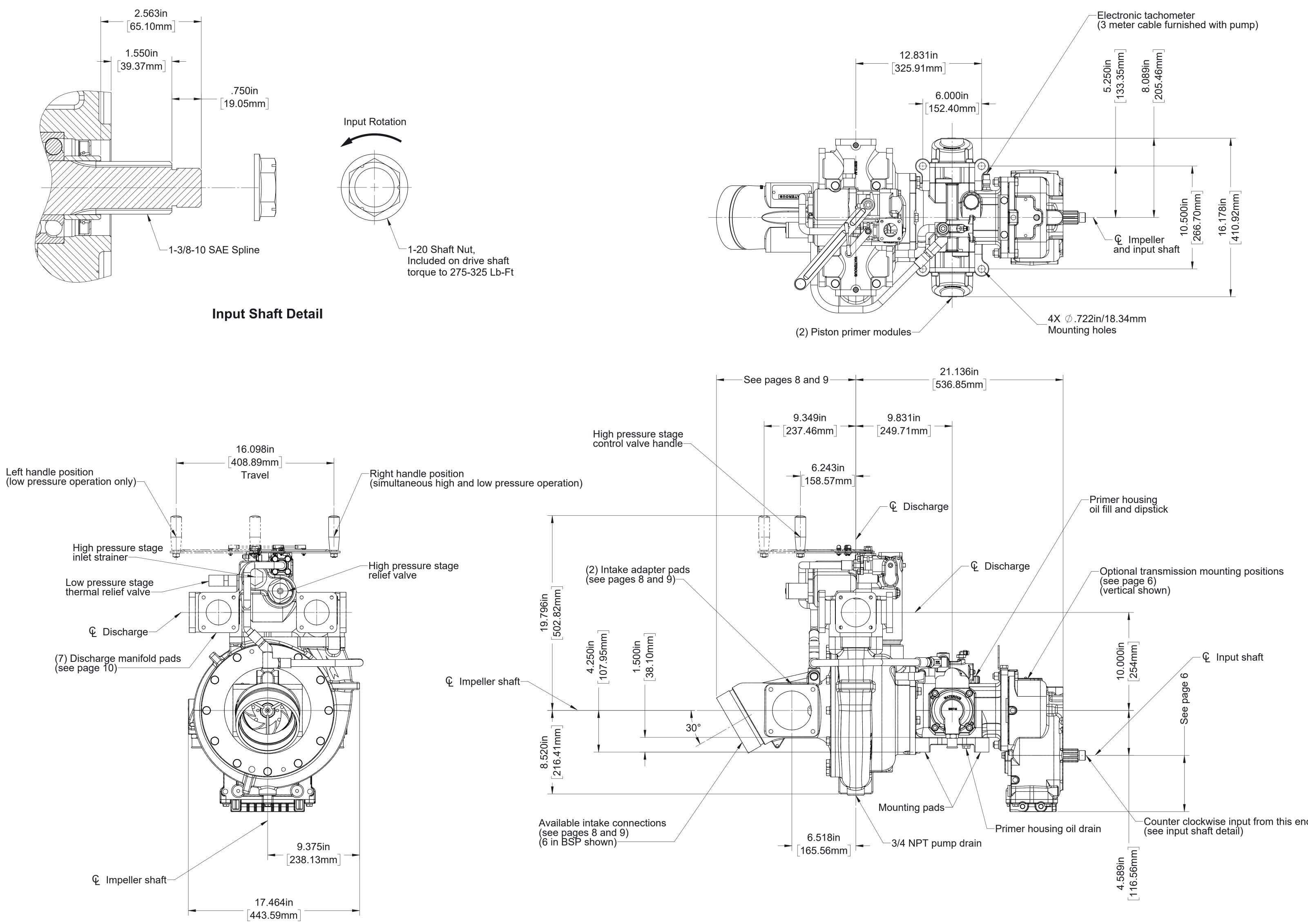




## HL200K/HL300K Pump Clockwise Input Rotation

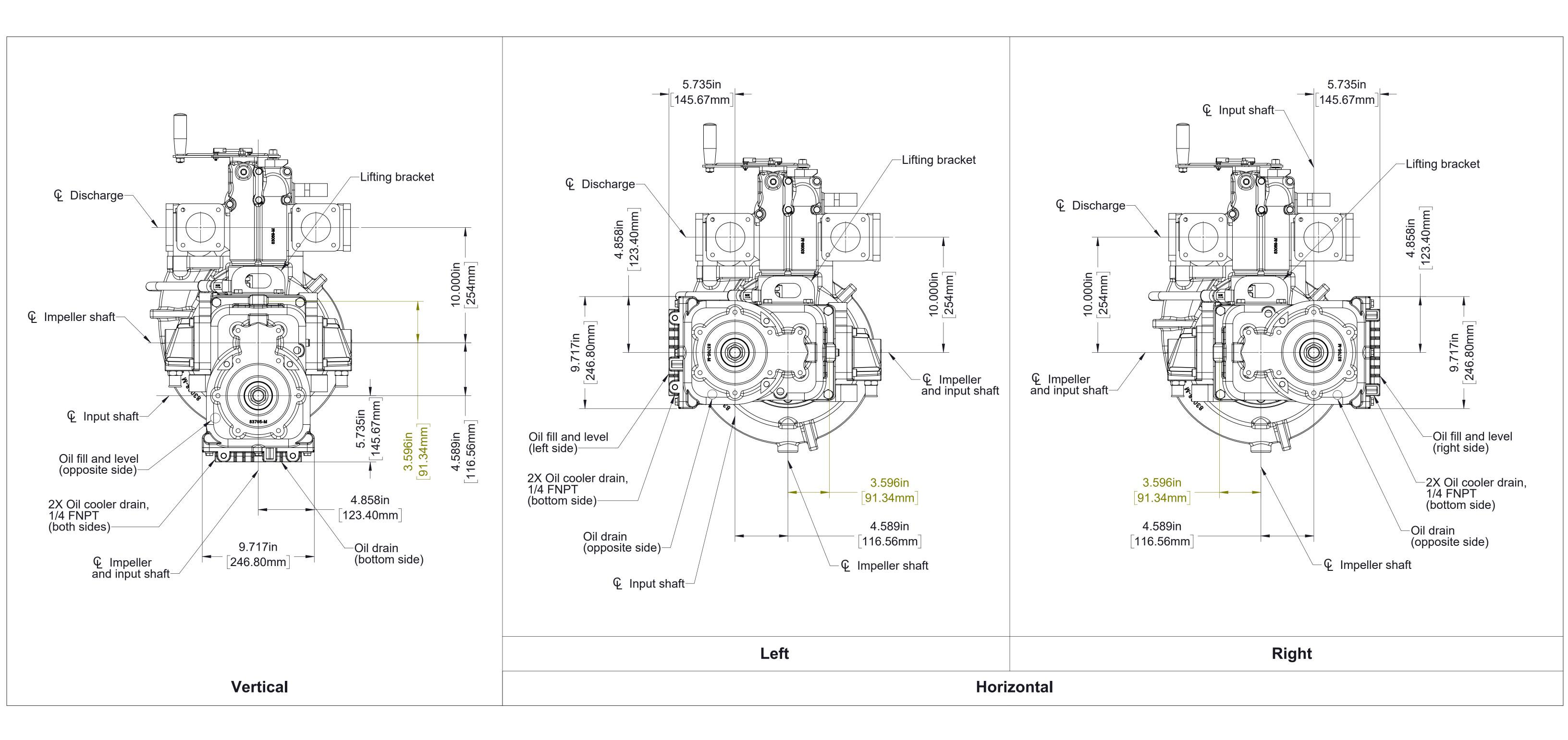
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## HL200K/HL300K Pump Counter Clockwise Input Rotation

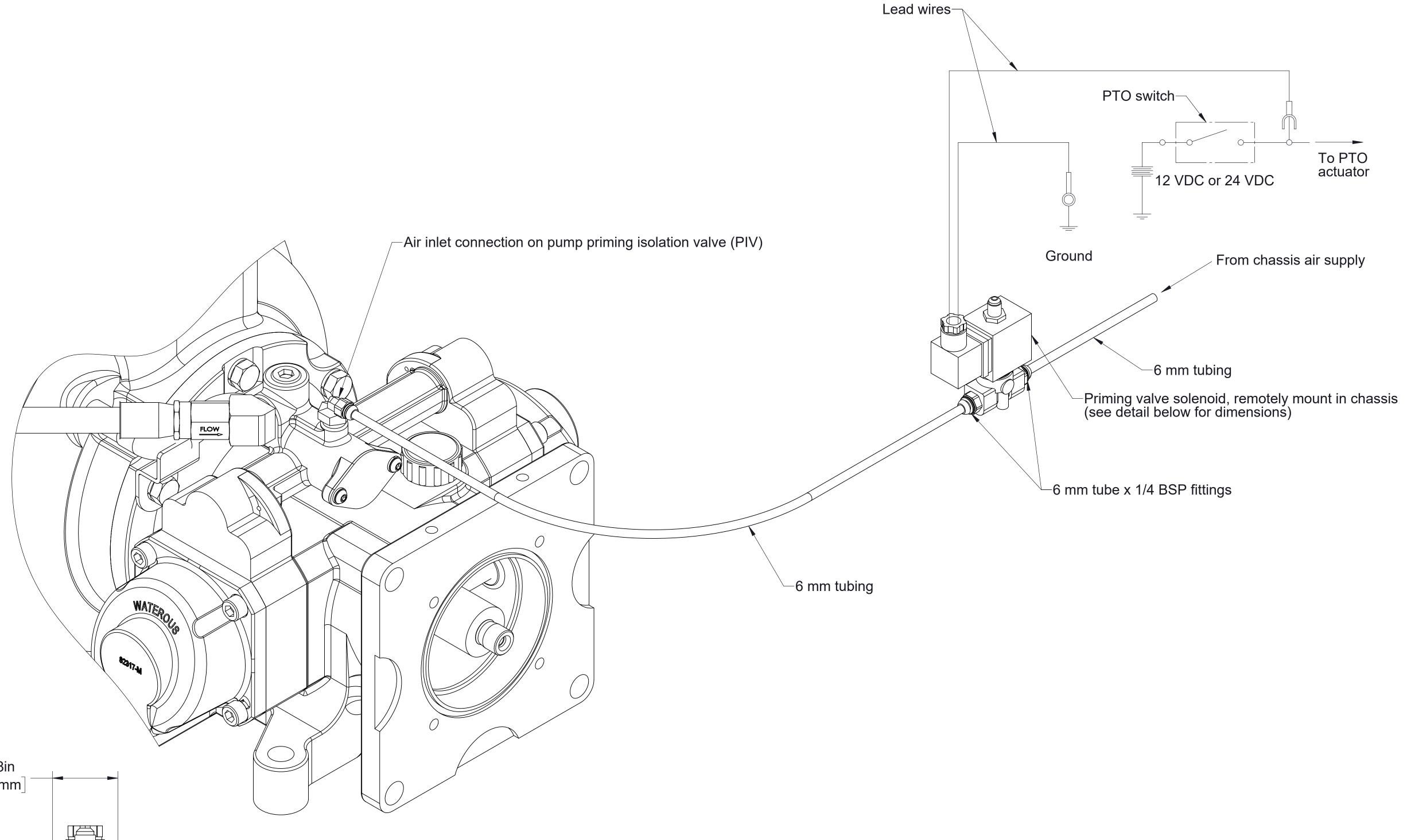
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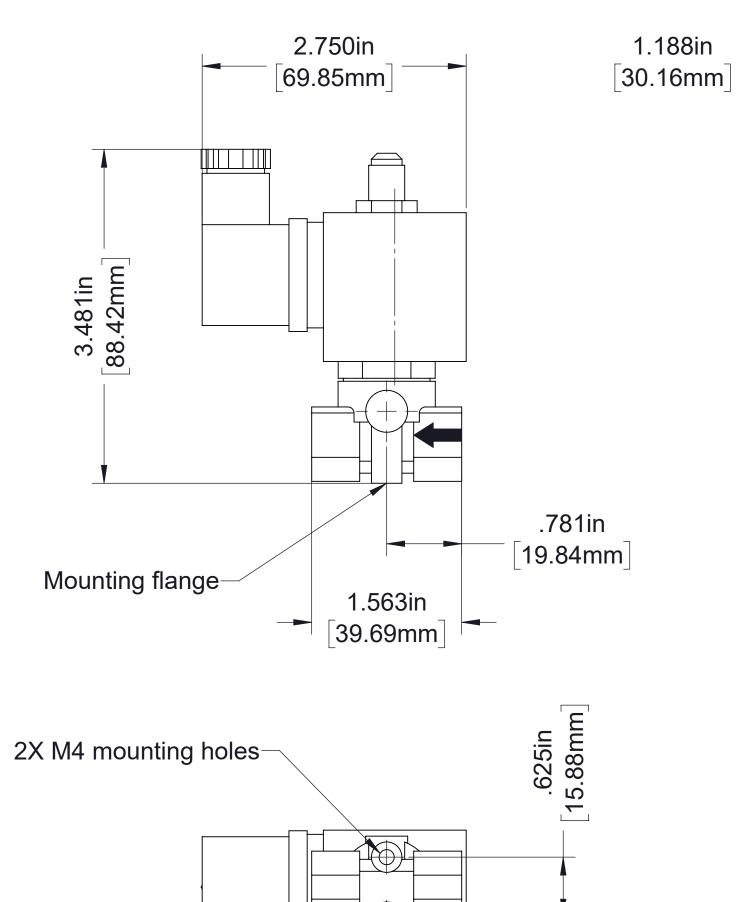


## **Transmission Mounting Positions**

(Defined as viewed from drive end of pump)

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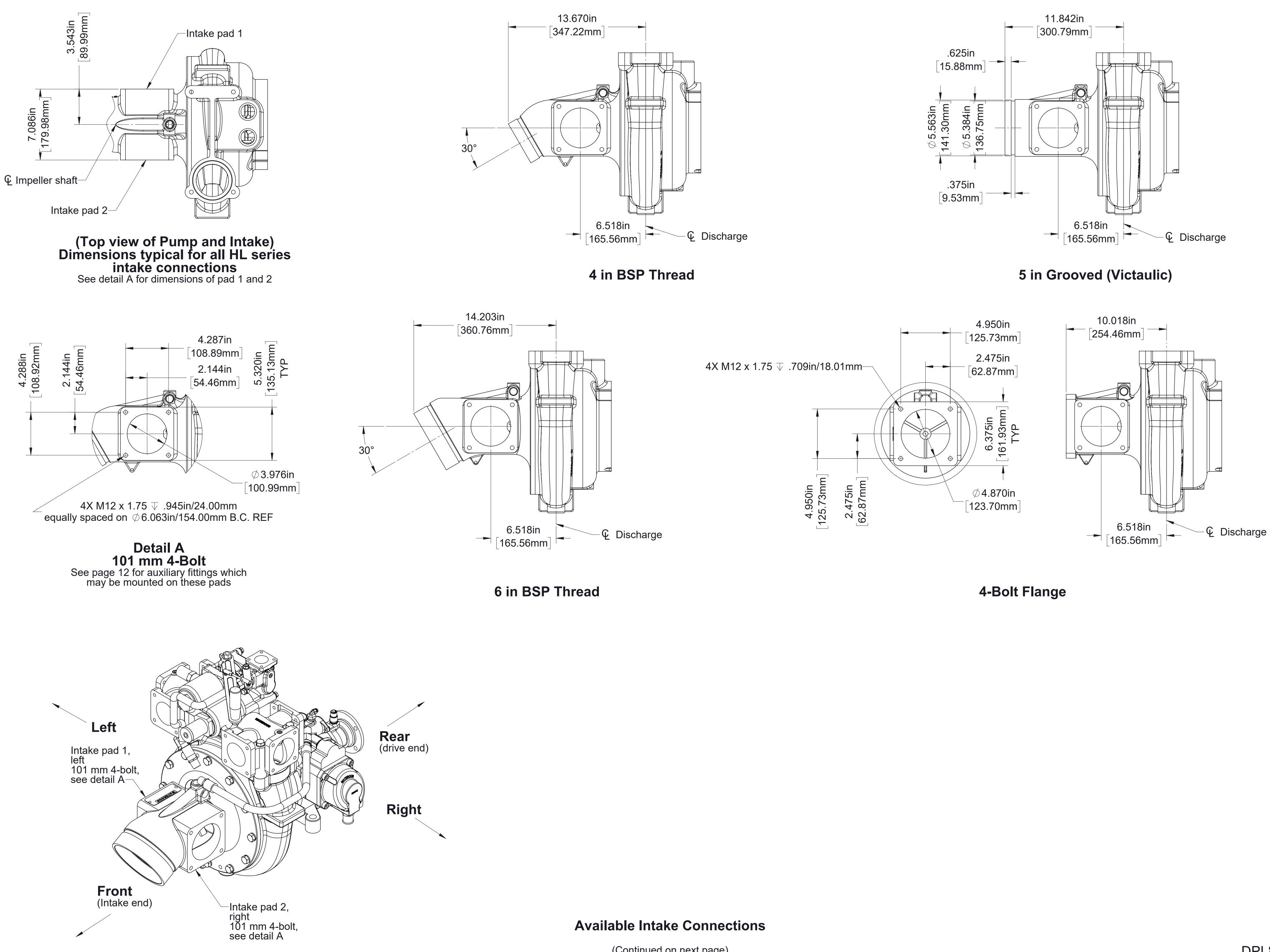


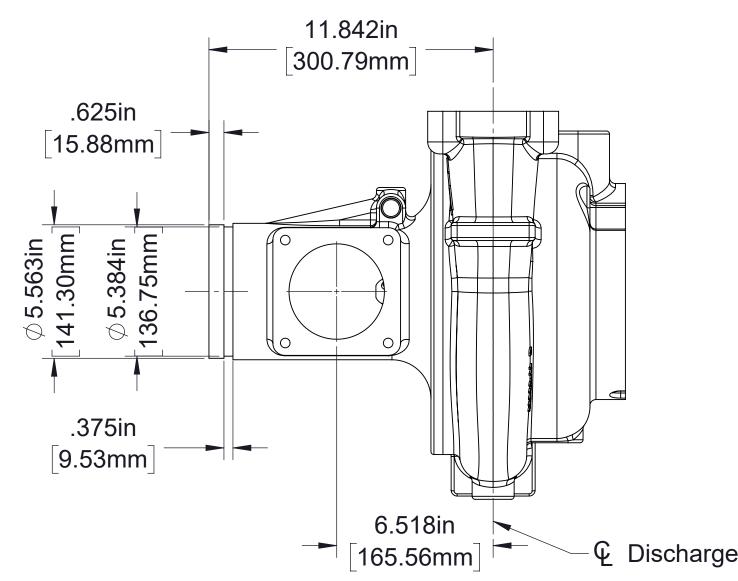
 $(\oplus)$ 

 $\left(+\right)$ 

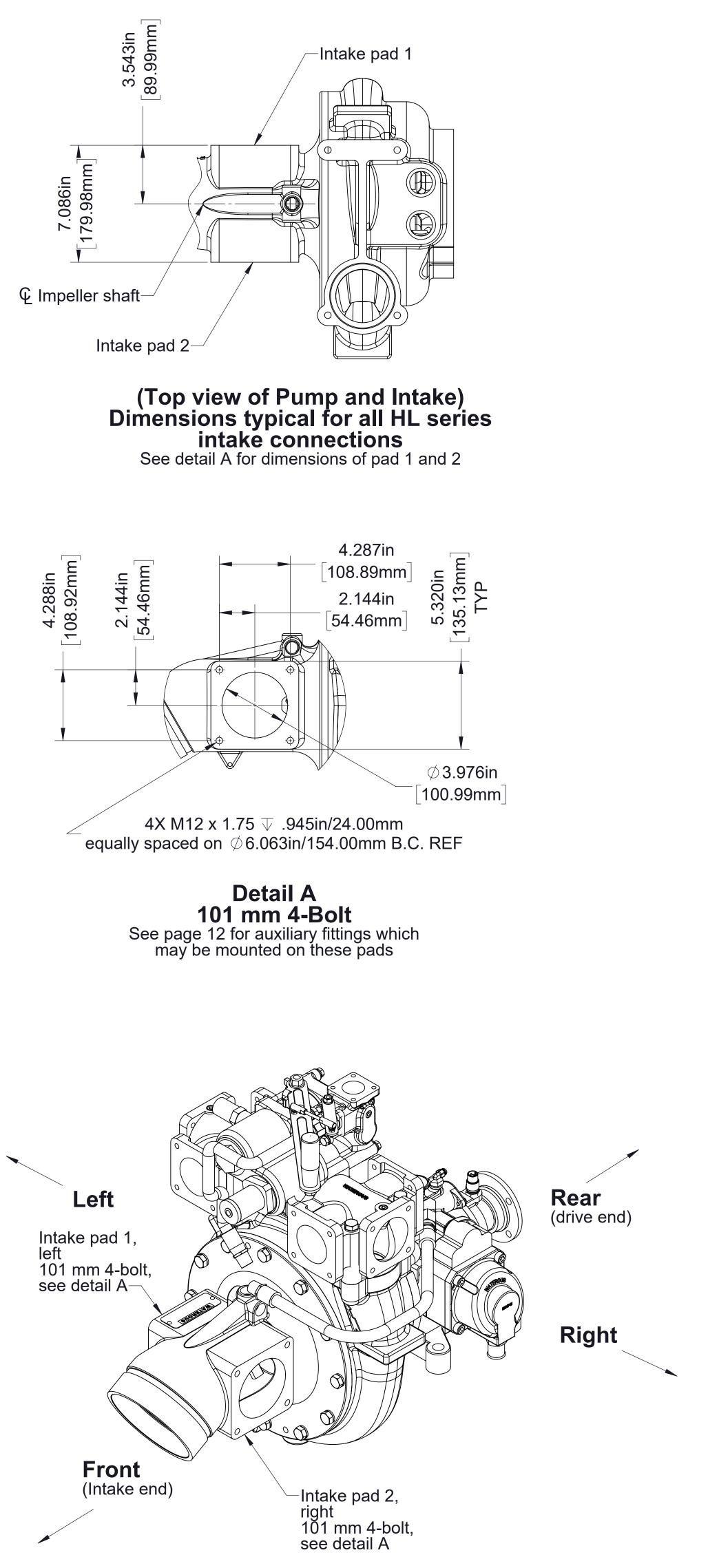
	<b>Components Required</b>	
Quantity	ltem	Furnished By:
1	Solenoid	Waterous
2	6 mm tube x 1/4 BSP fitting	Waterous
3 meters	6 mm tubing	Waterous
All	Wiring (16 or 18 AWG)	Truck builder
1	PTO switch	Truck builder
All	Connectors to chassis air supply	Truck builder

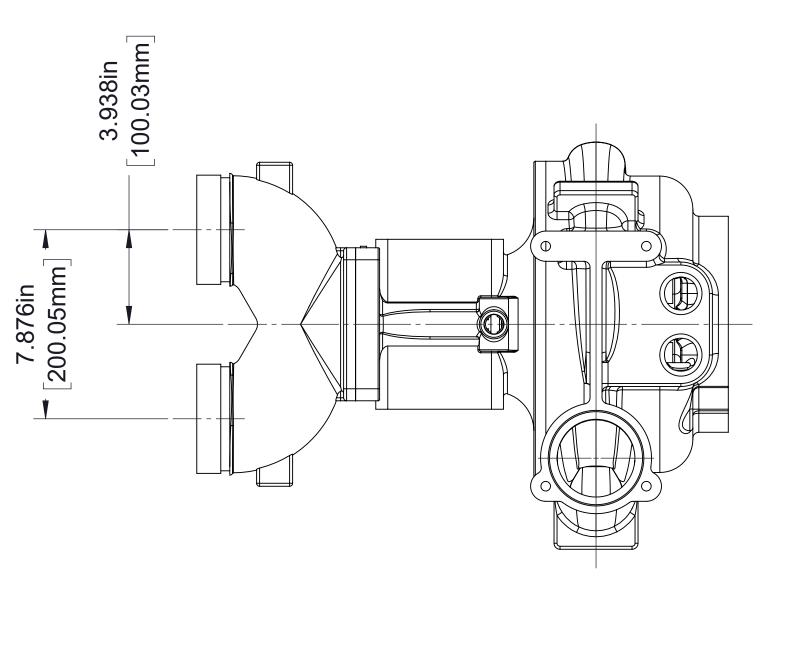
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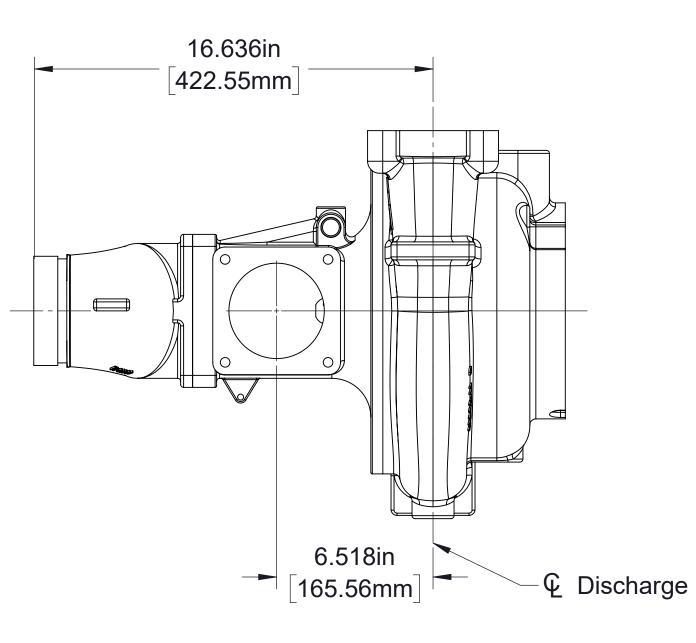




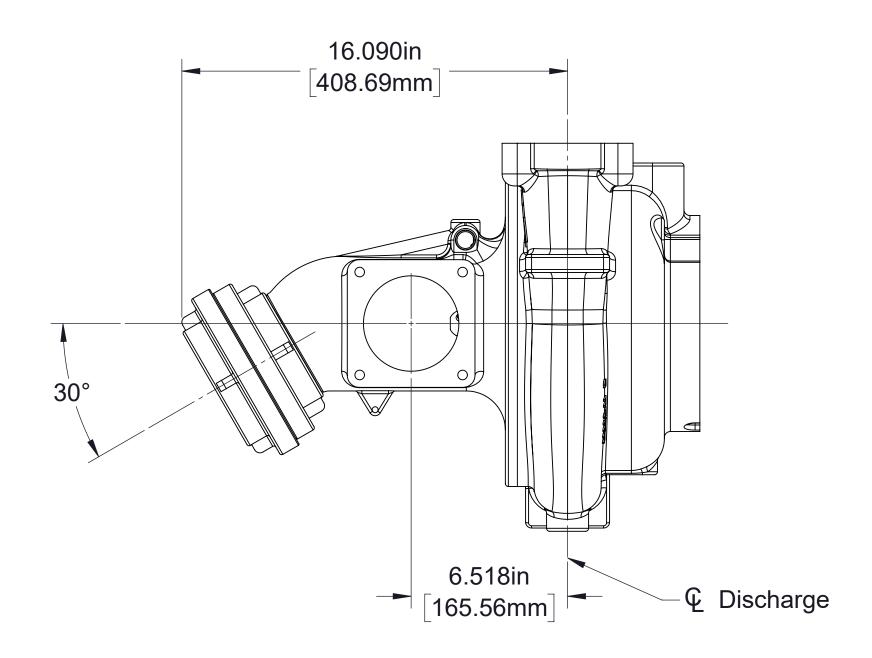
(Continued on next page)

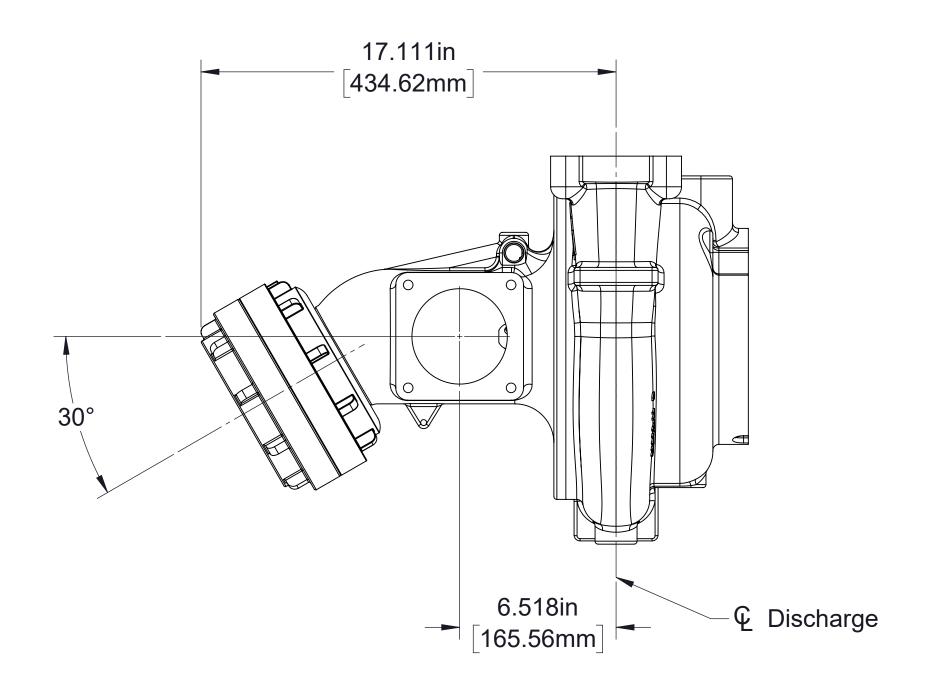






**Dual 4 in BSP Thread** 

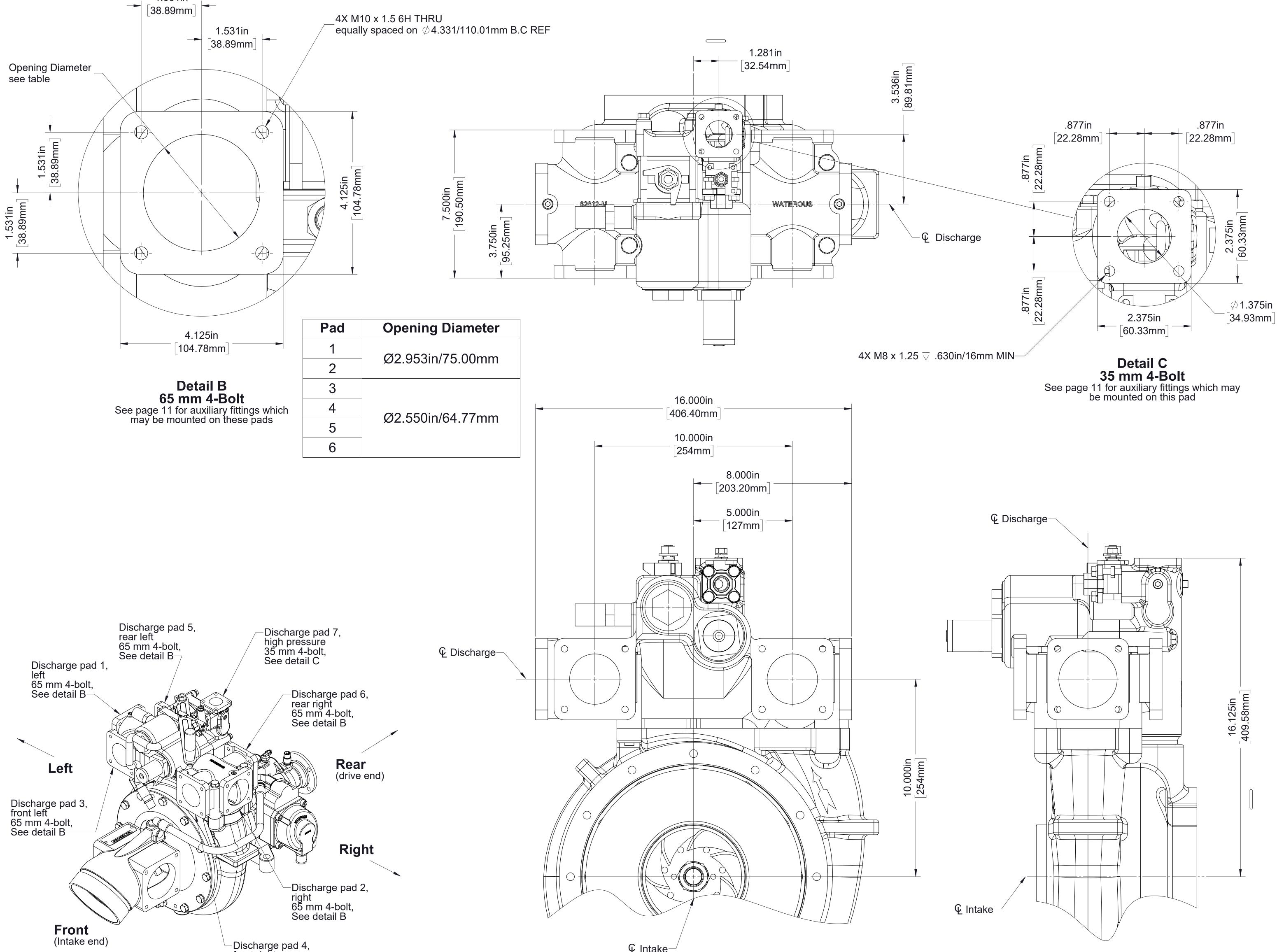


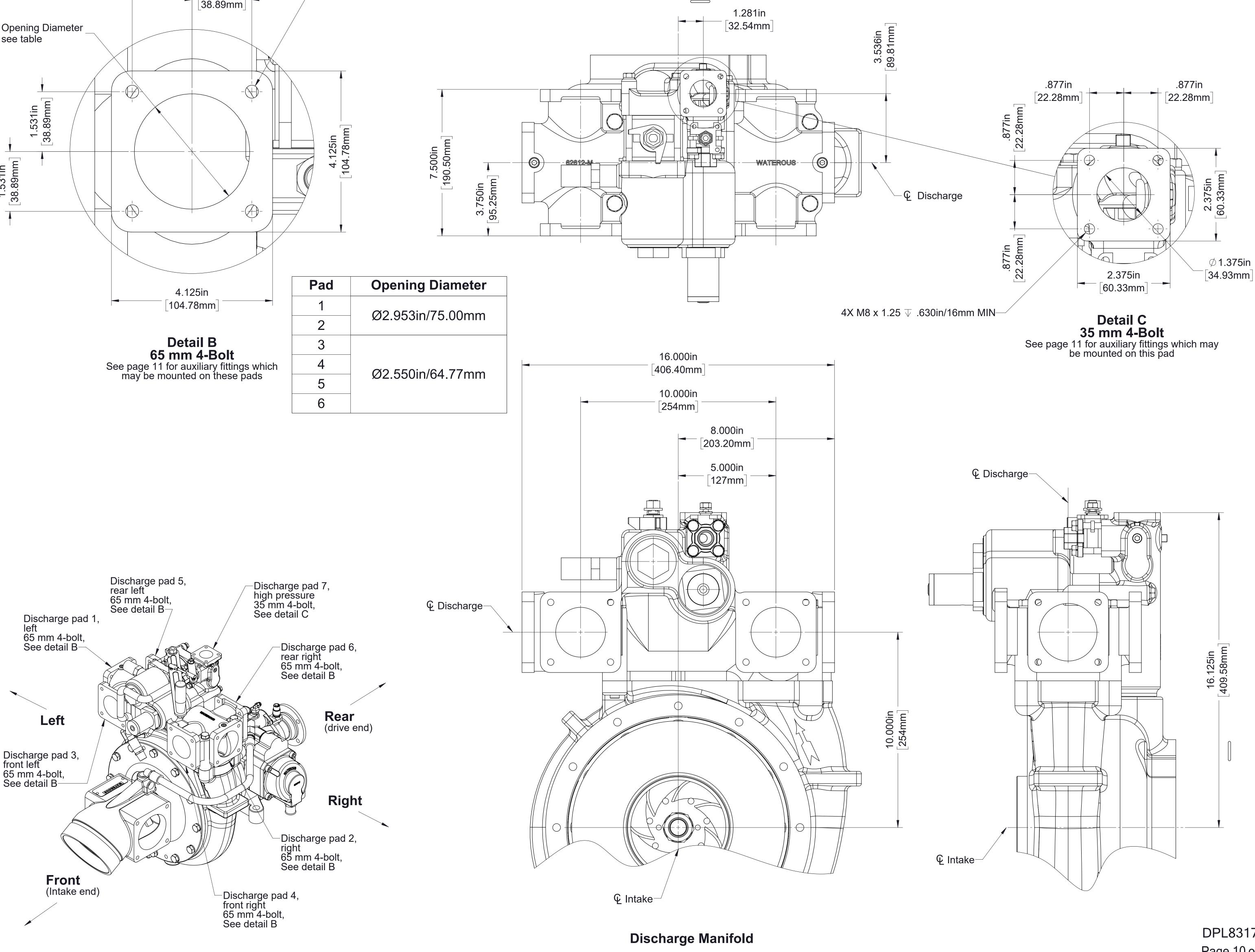


110 mm Storz Adapter on 4 in BSP Thread

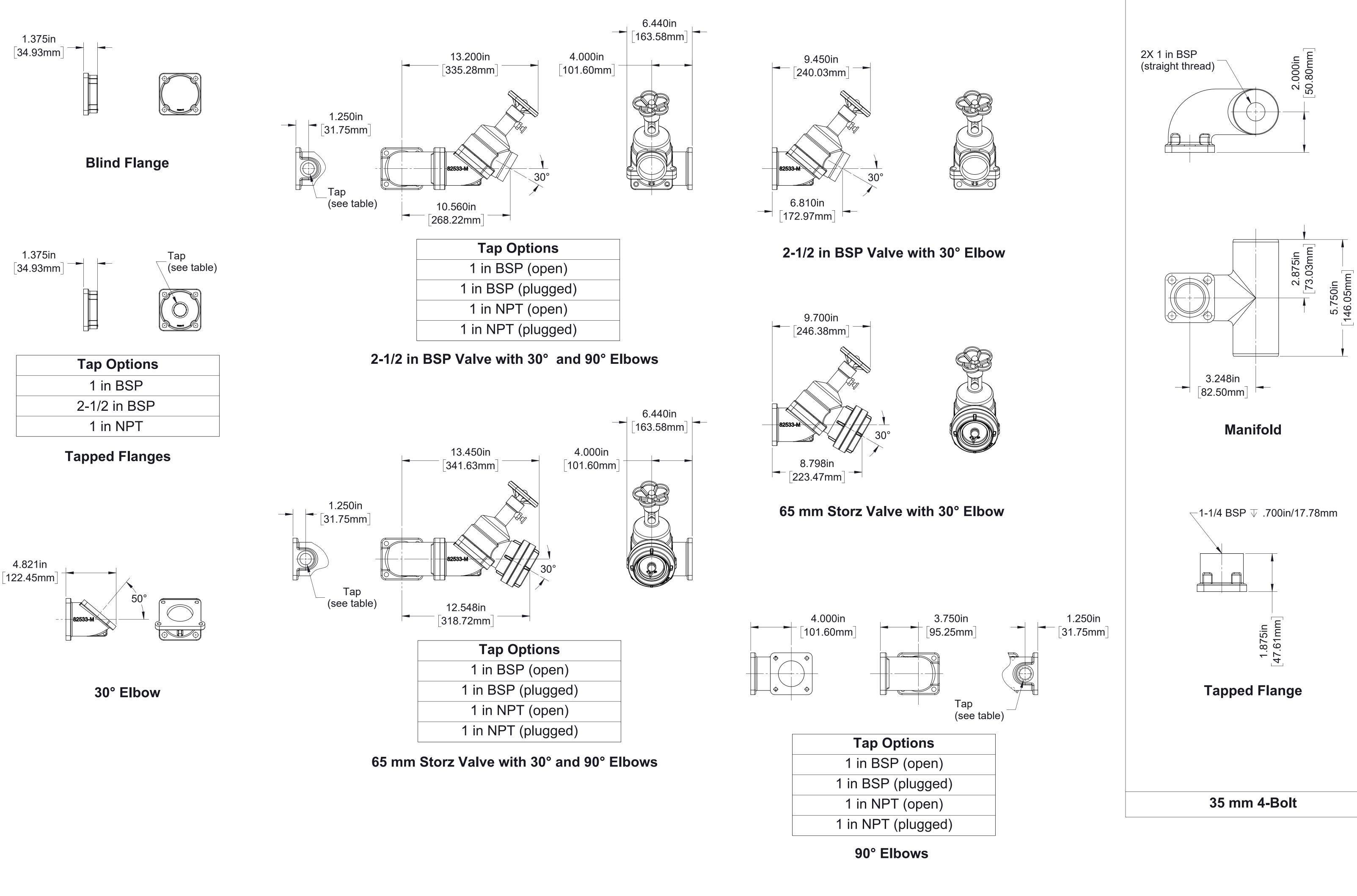
150 mm Storz Adapter on 4 in BSP Thread

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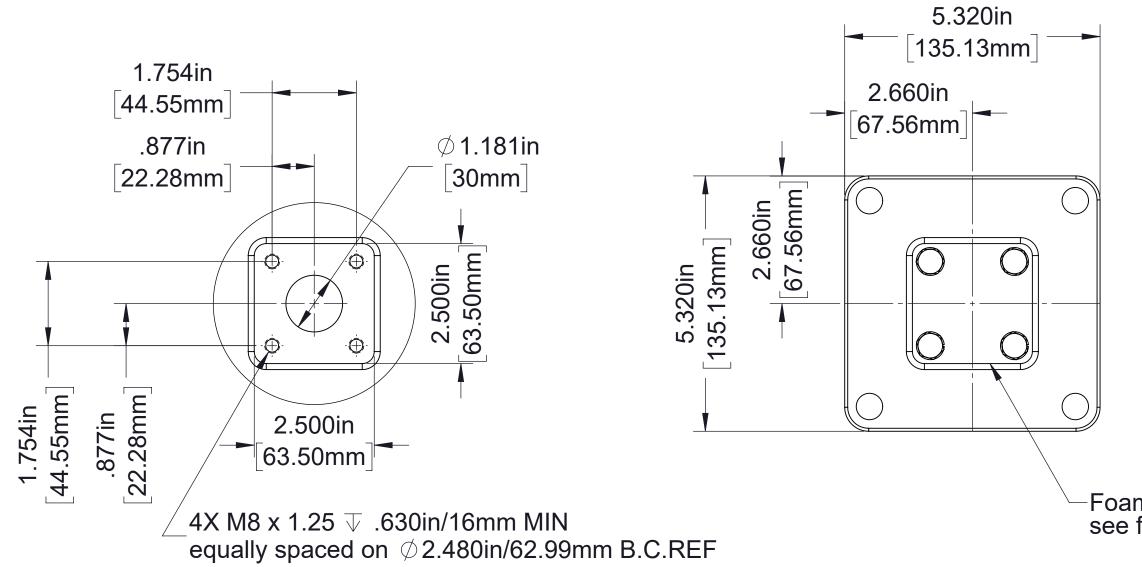
## 65 mm 4-Bolt

p Options
BSP (open)
SP (plugged)
NPT (open)
PT (plugged)

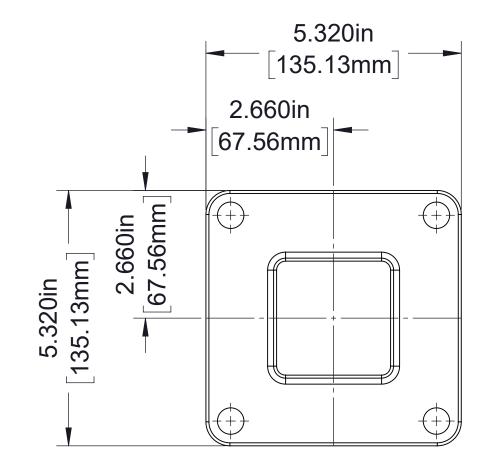
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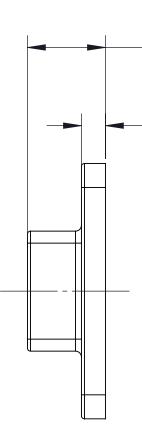


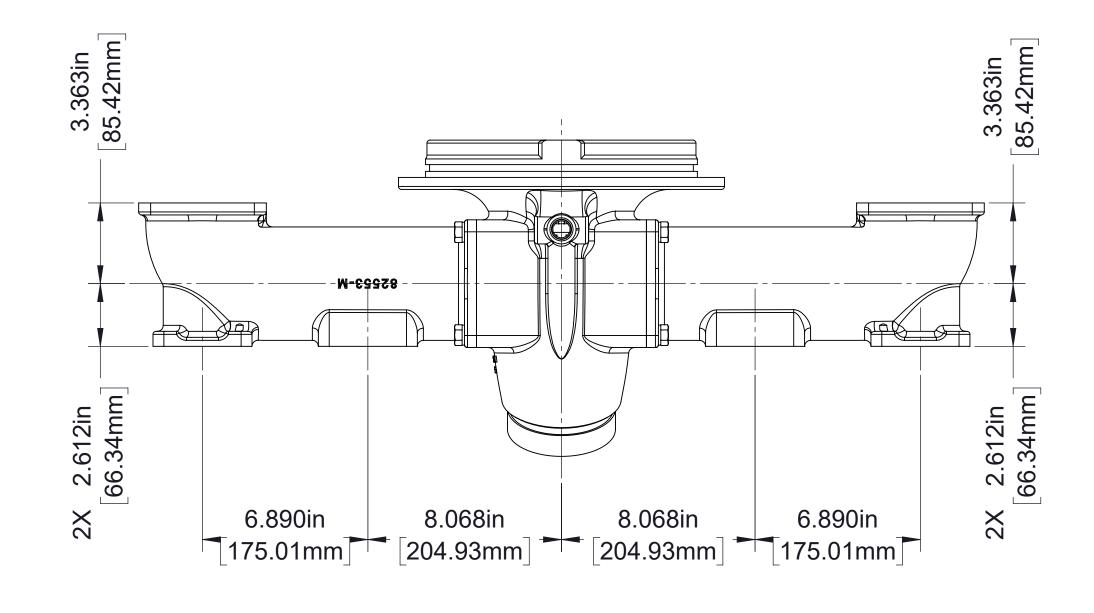




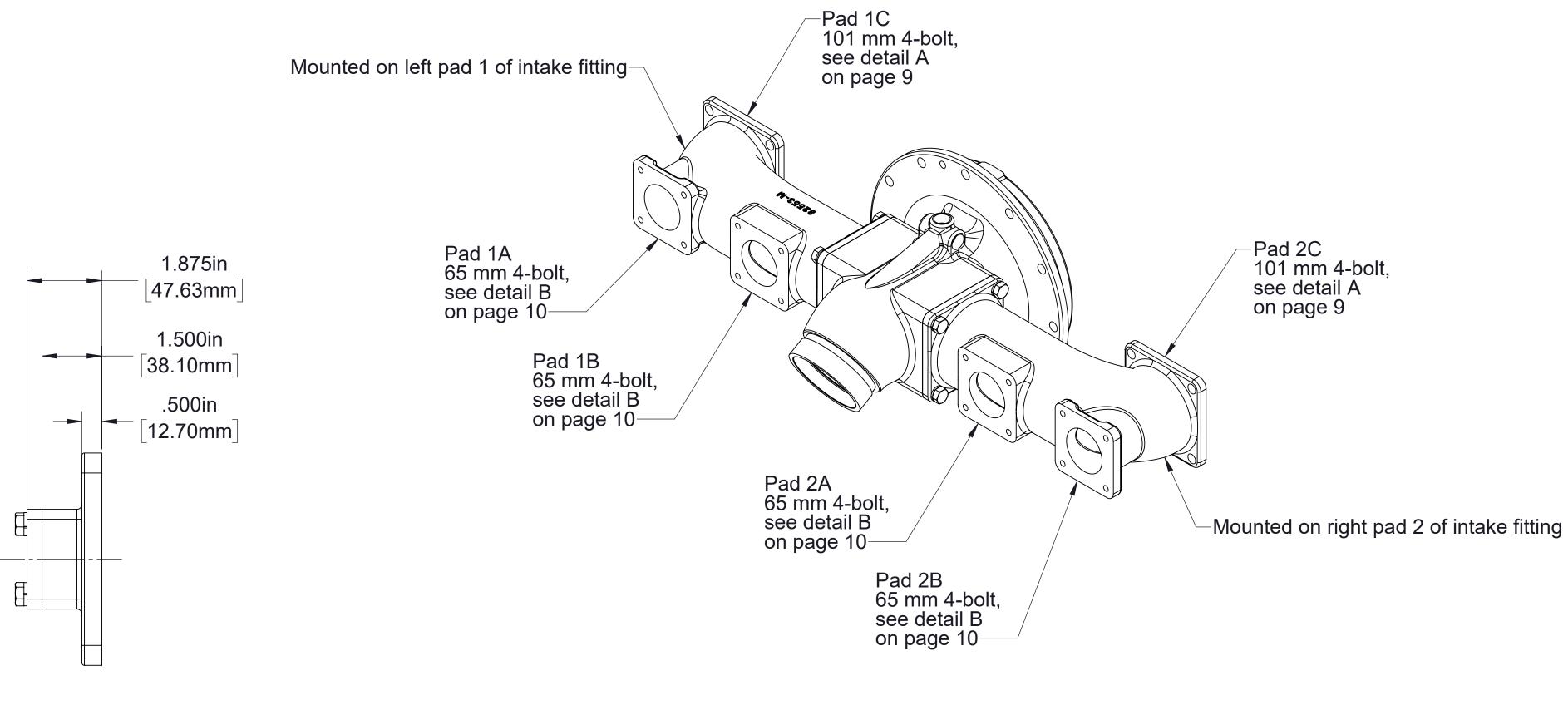
Blind Flange









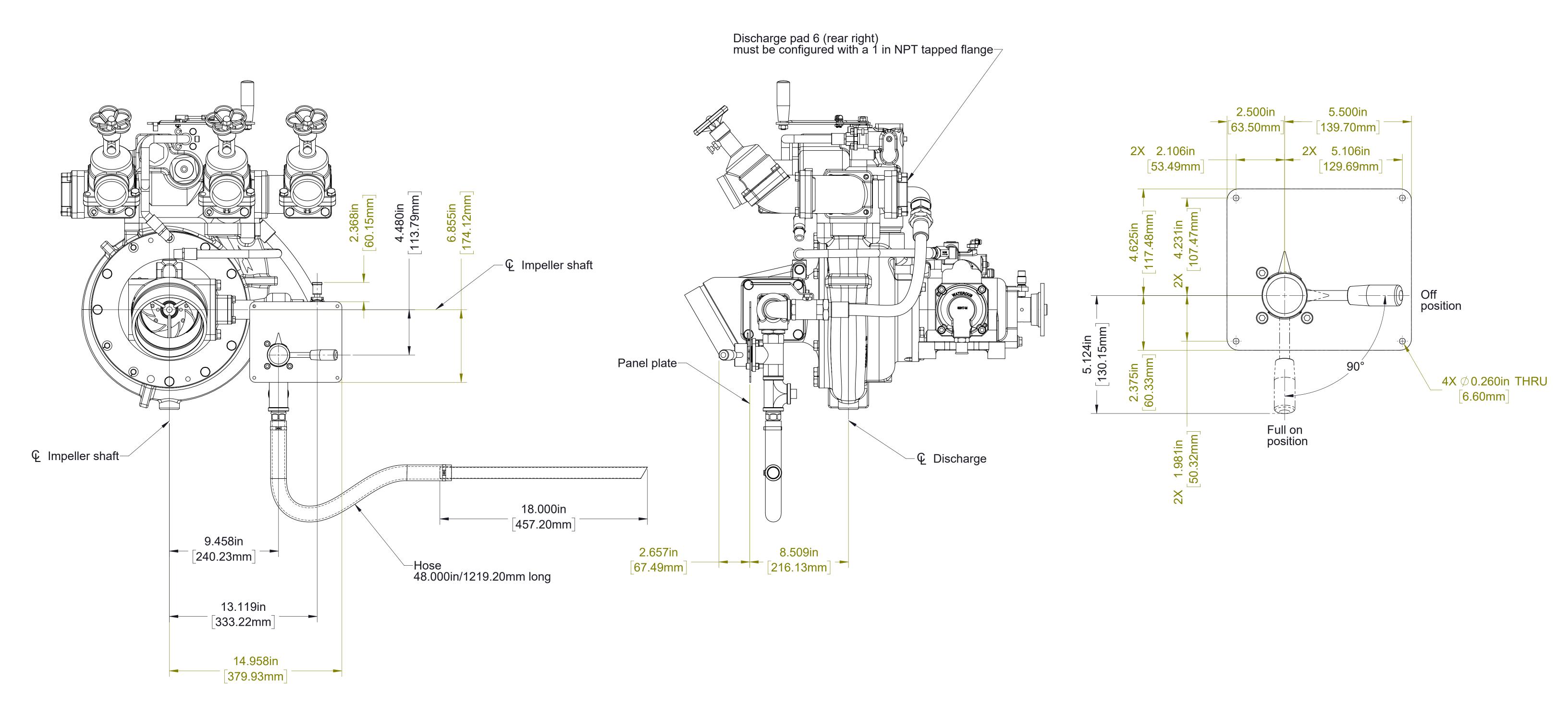


 Foam flange see foam flange detail

(For pad details, see detail A on page 8 or 9 and detail B on page 10)

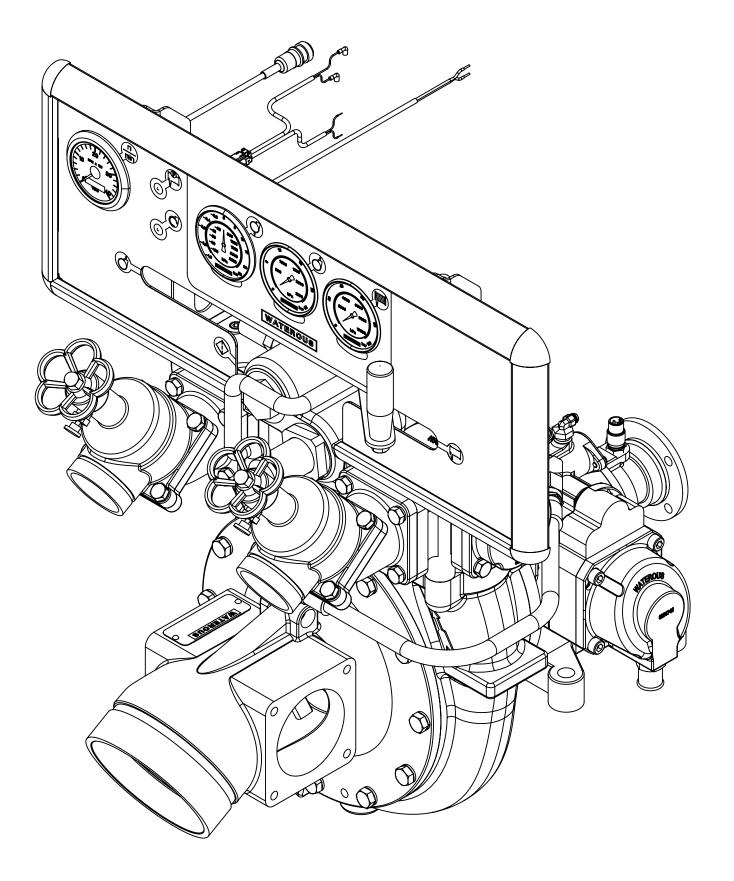
# Optional Intake Manifold

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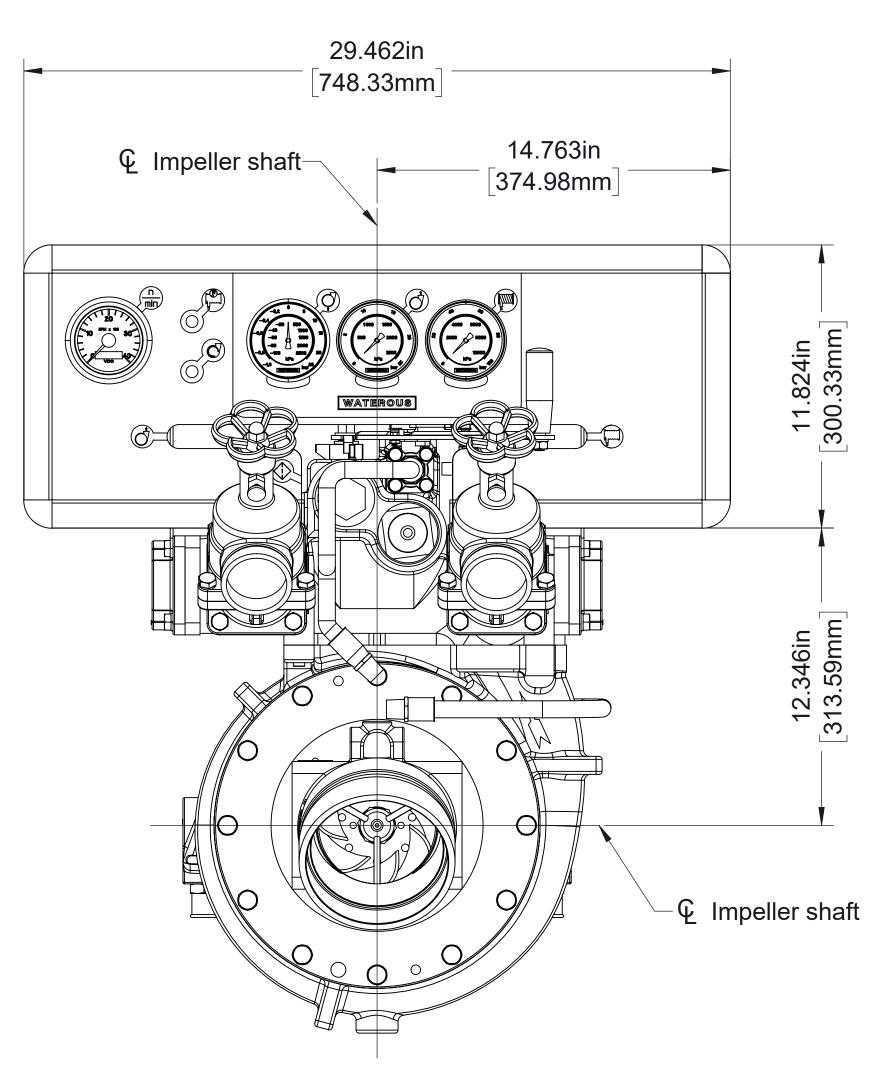


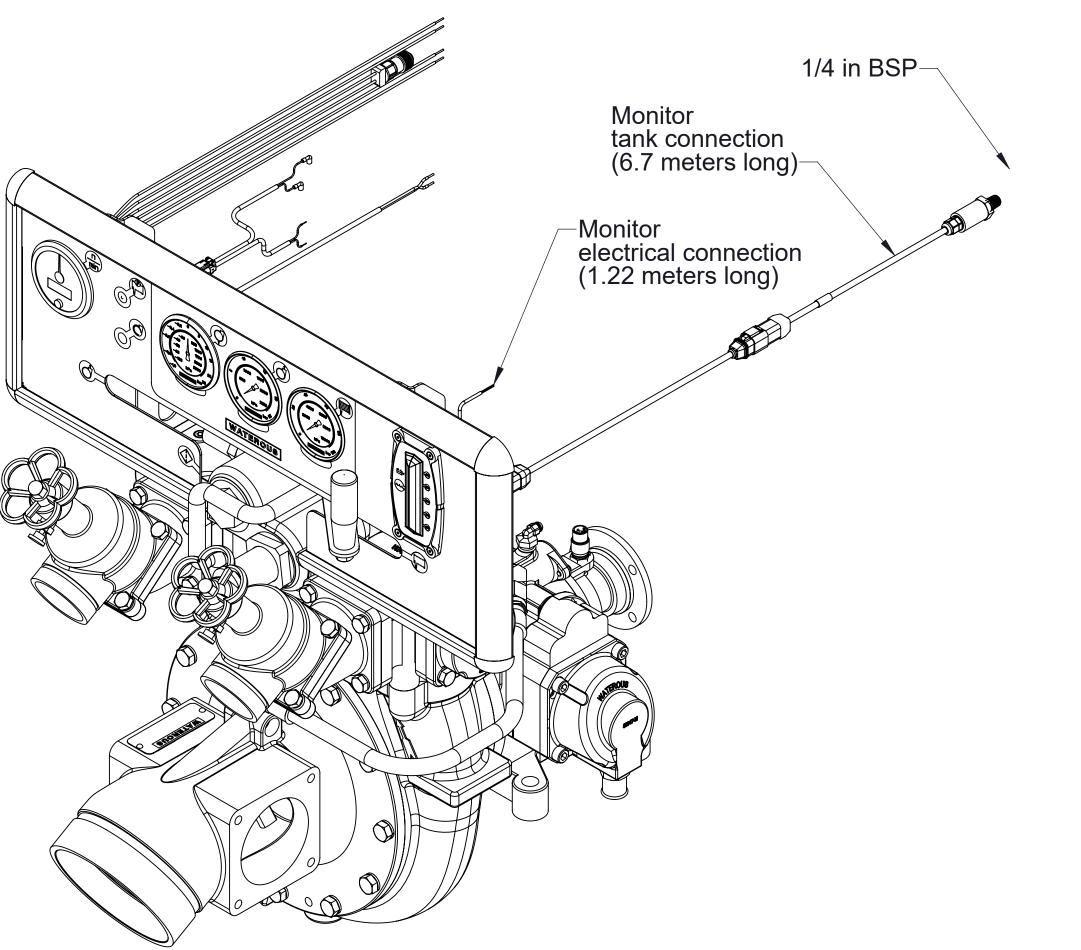
### Optional RTP Foam System Mounted on pump at factory

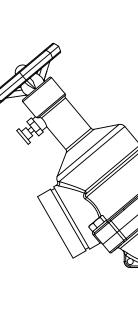
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Without Tank Level Monitors



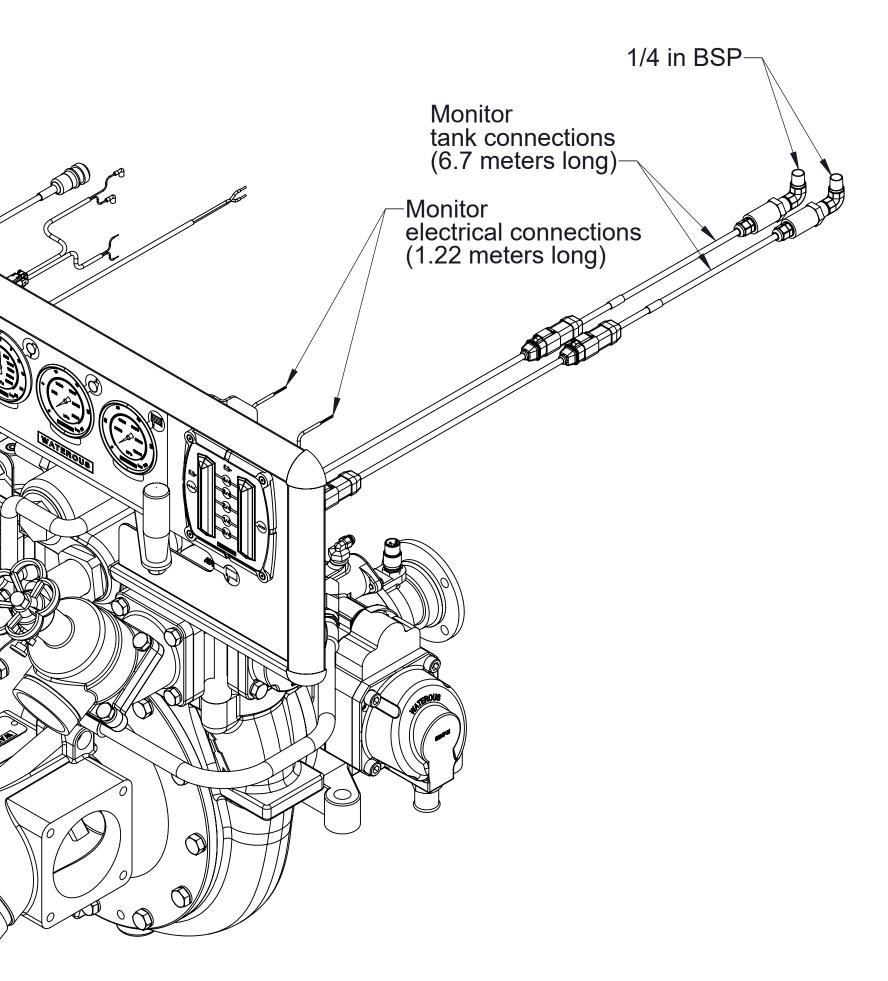




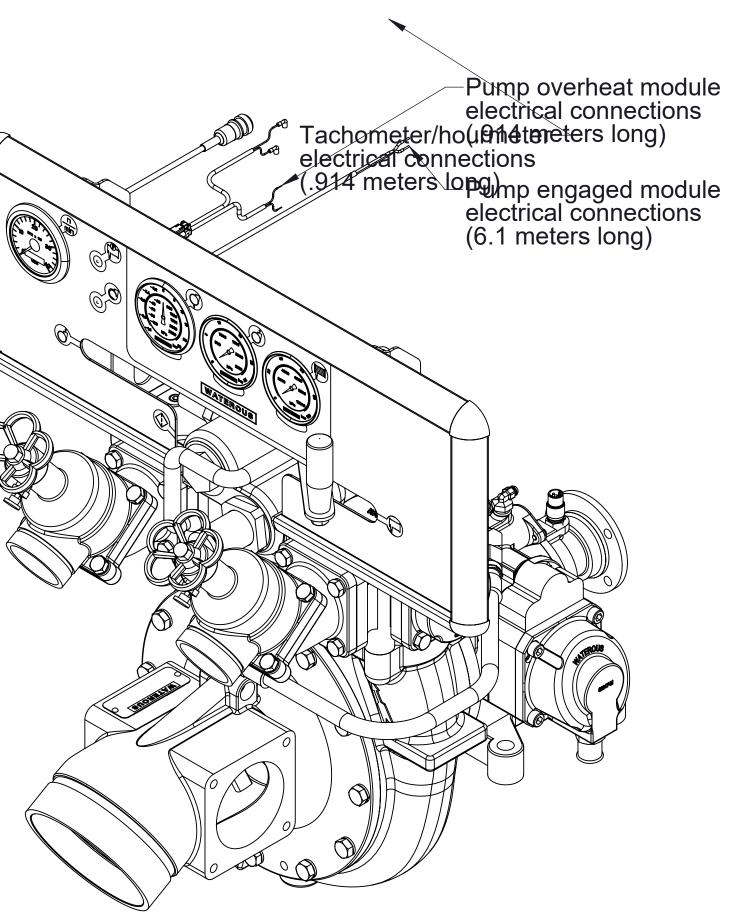
## **Available Panel Configurations**

With Water Tank Level Monitor Only

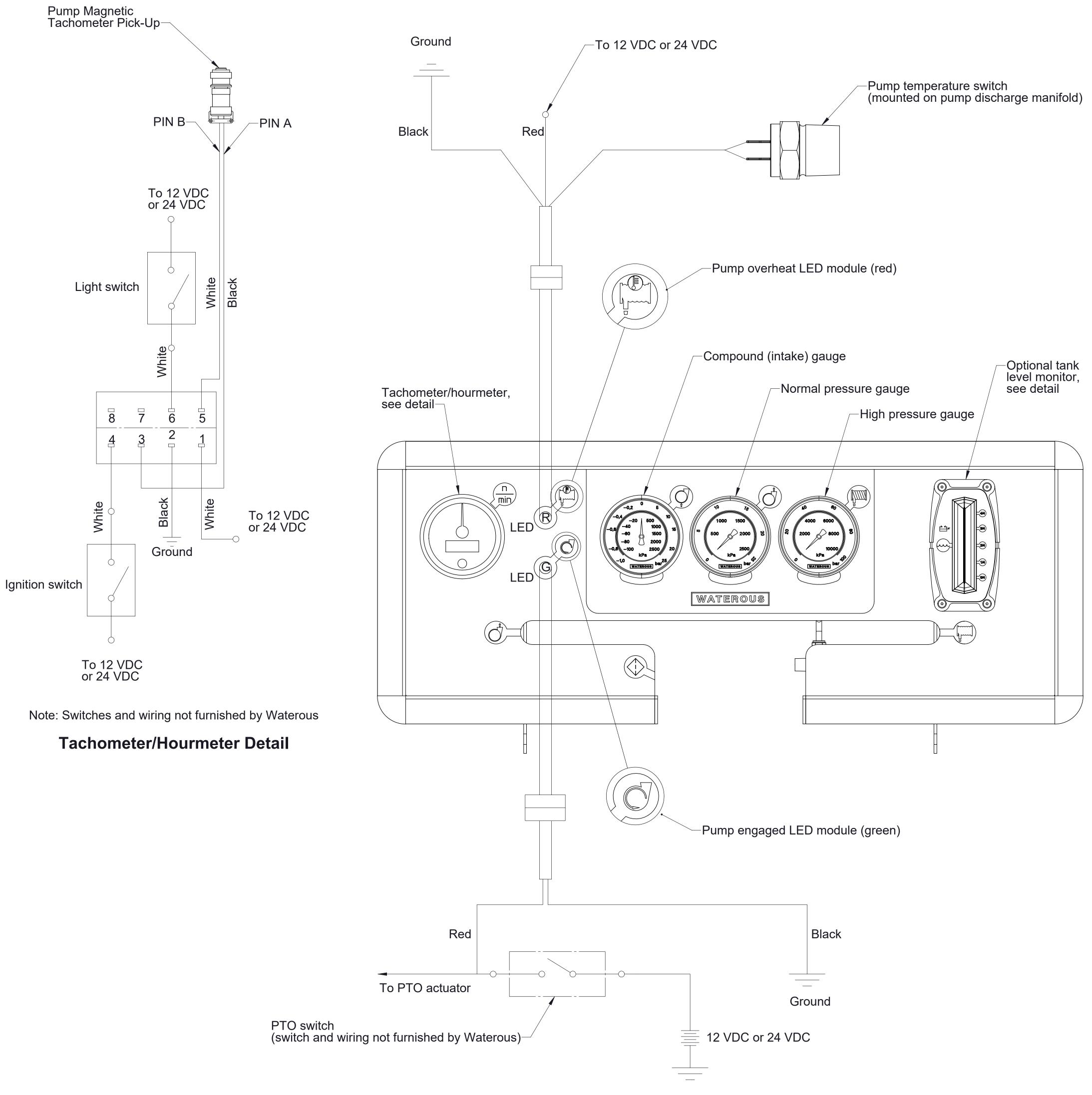
4.775in [121.29mm] -♀ Discharge E Шſ 6 **Optional Control Panels** 

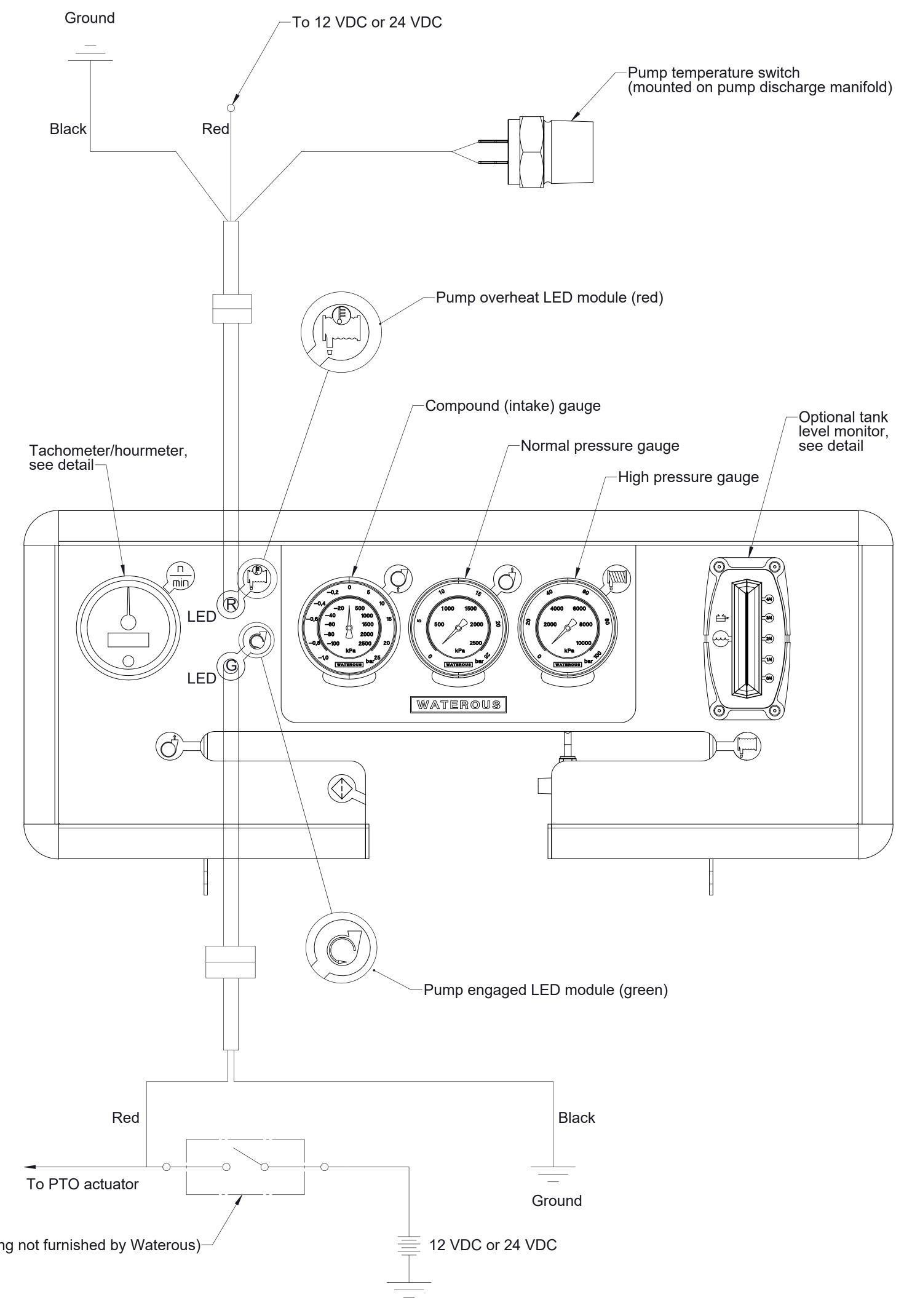


With Water Tank and Foam Tank Level Monitors

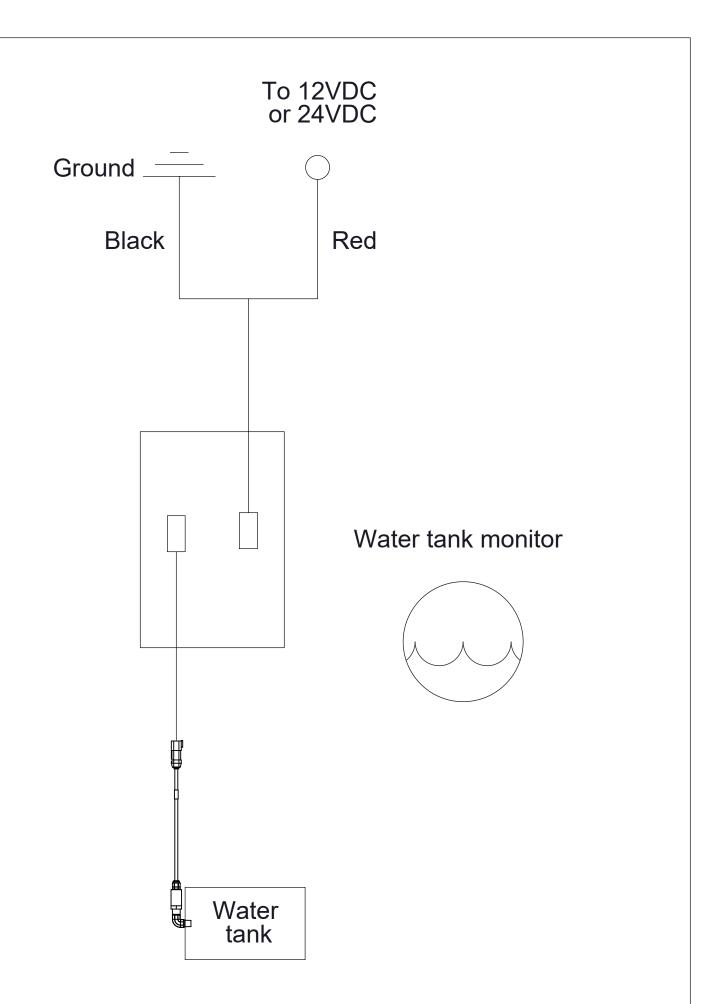


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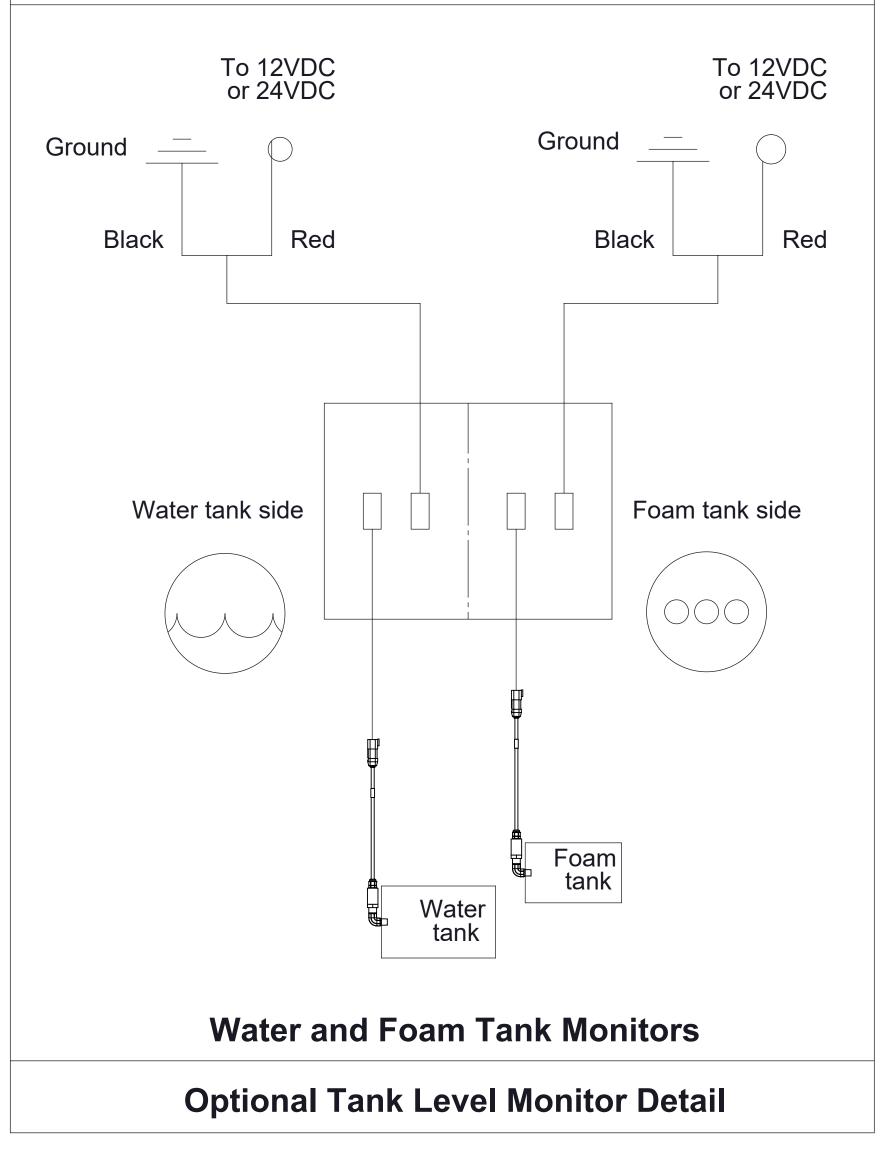




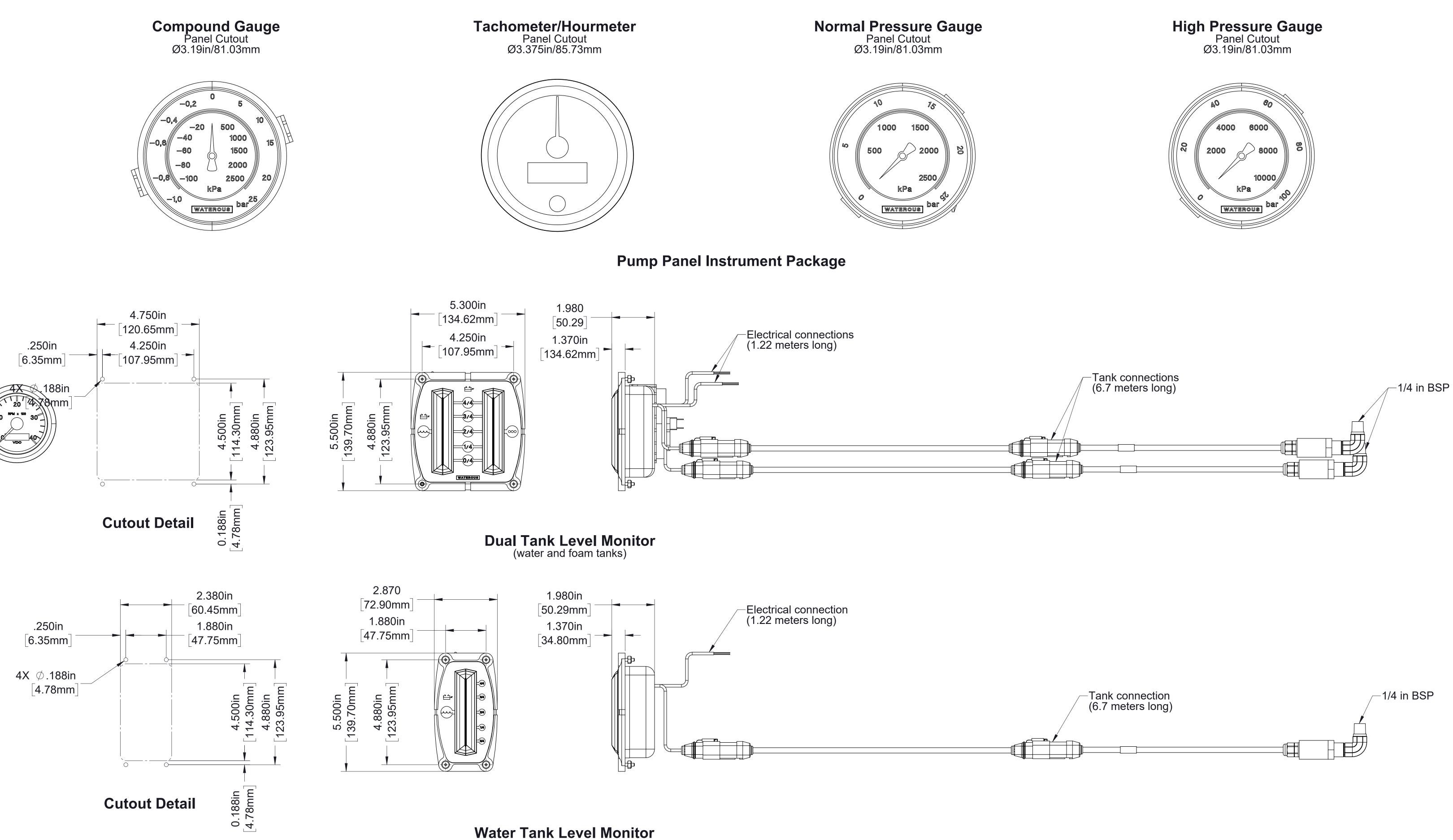
### **Optional Control Panel Wiring Schematic**

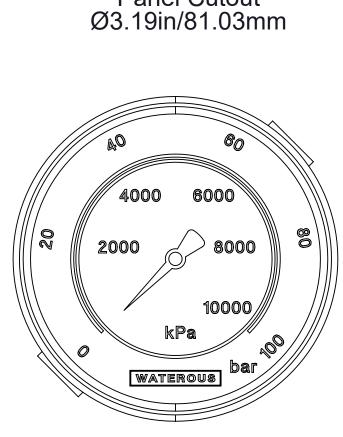






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