



Safety

	Refer to the instruction manual. Read and understand all of the safety guidelines in this manual.
	Obey all safety requirements and applicable safety laws and regulations.

Purpose

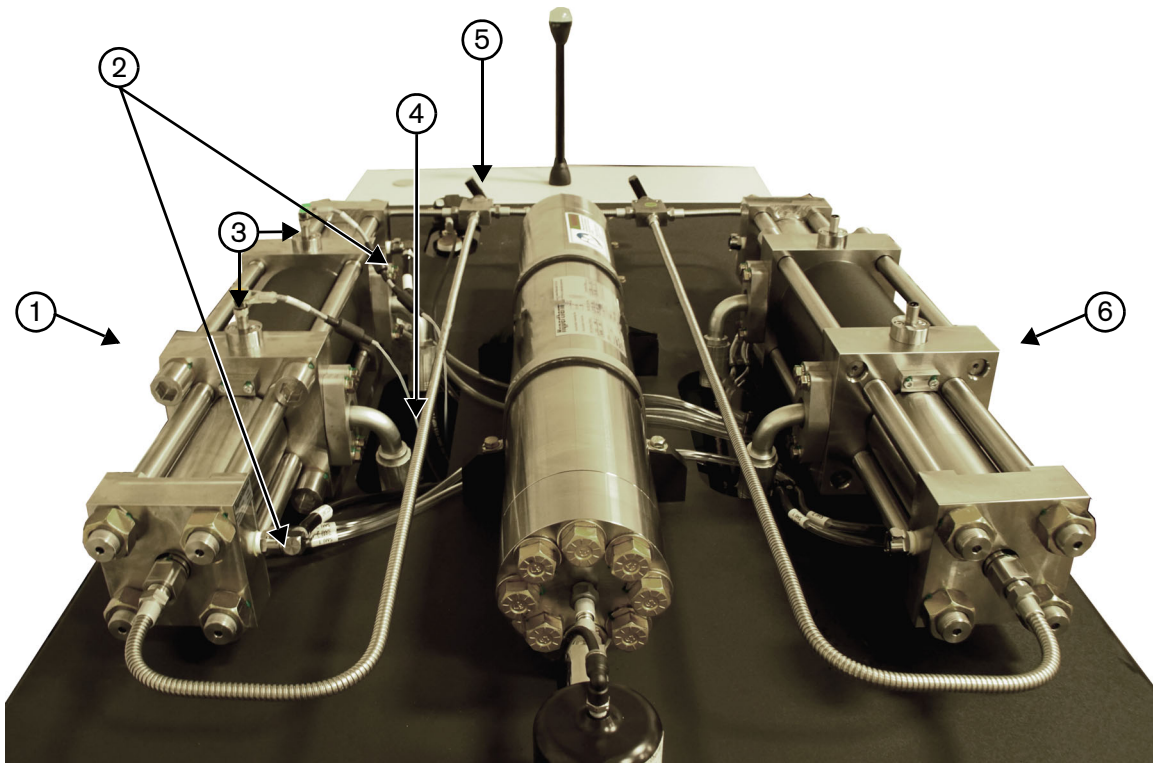
A second intensifier reduces downtime by permitting the operator to use one or the other. This guide describes how to change operation of the intensifiers on a HyPrecision Predictive pump with redundant units.



Intensifier 1 is the front unit, which is closest to the operator panel. Intensifier 2 is the rear unit.



Both intensifiers cannot run at the same time on this pump model.



1 Rear intensifier

2 Low-pressure water fitting

3 Proximity switch

4 Top deck access hole

5 High-pressure water valve handle

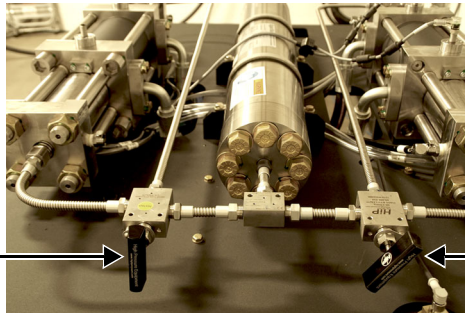
6 Front intensifier

Change the intensifier that is in operation



Use clean hands when changing high-pressure parts.

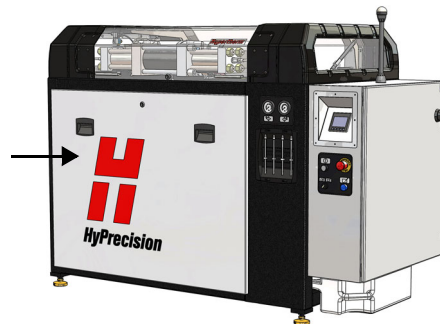
1. Turn OFF the pump.
2. Turn OFF power from the primary utility source. Use standard lock out–tag out procedures.
3. Turn OFF the water to the pump.
4. Make sure that the water pressure gauges show 0.0 bar (0 kPa / 0 psi).
5. Turn the high-pressure water valve handle to open the valve between the attenuator and the intensifier that will be operated. Close the valve between the attenuator and the intensifier that will not be operated.



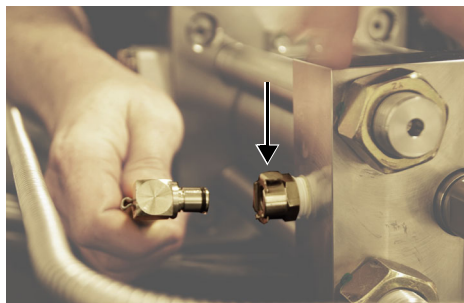
1 Front intensifier valve handle

2 Rear intensifier valve handle

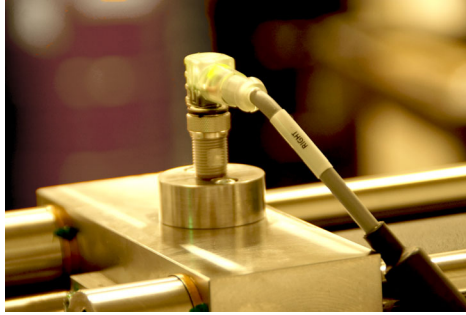
6. Remove the front panel.



7. Push the button on the quick-disconnect fitting to remove the low-pressure water tubing. Disconnect both tubes.



8. Remove the proximity switch wires from the intensifier.



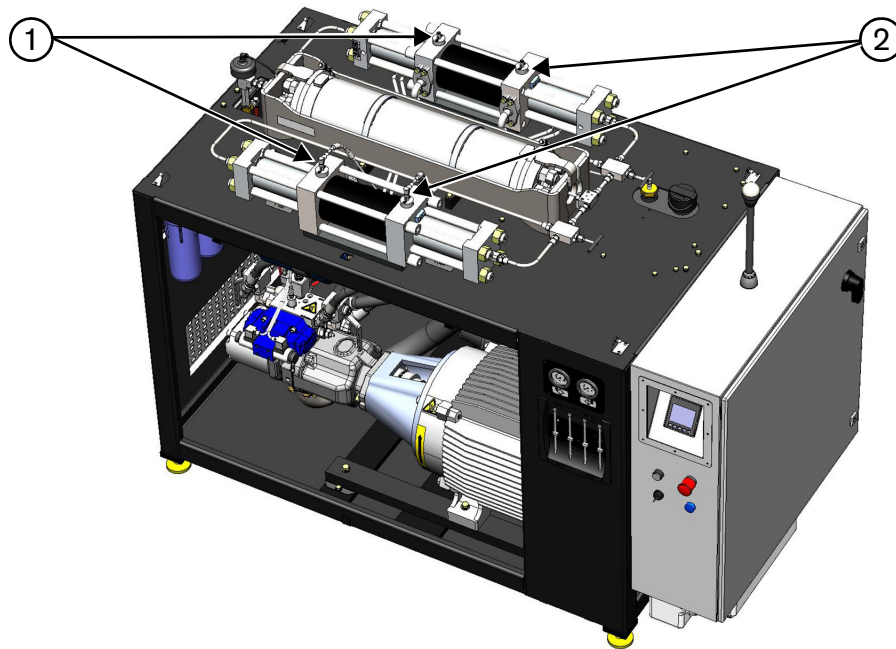
9. Push the low-pressure tubes and the proximity switch wires down into the nearest top deck access hole.

10. Push the low-pressure tubes and the proximity switch wires up through the other top deck access hole.

11. Connect the low-pressure water tubes.

12. Connect the proximity switch wires.

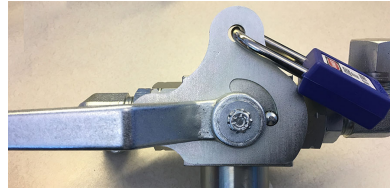
	The wires are marked LEFT and RIGHT. Make sure that the wires are connected to the correct switches.
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1 Left proximity switch

2 Right proximity switch

13. If there are locks on the hydraulic valve handle locking plates, remove the locks.



14. Turn the hydraulic valve handles on the pump manifold 90° to send hydraulic fluid to the intensifier that will be operated.




When the hydraulic valve handle is in this position, hydraulic fluid goes to the front intensifier.



When the hydraulic valve handle is in this position, hydraulic fluid goes to the rear intensifier.

15. Put a lock through the holes of the hydraulic valve locking plates. Do this for both valves.

The pump is ready for operation.

 <p>WARNING</p>	<p>Make sure that the hydraulic valve handles and the high-pressure water valve handles are fully closed before removing an intensifier from the pump.</p>
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Troubleshooting

The intensifier cannot stroke if the high-pressure water valve handles, low-pressure water tubing, proximity switch wires, or hydraulic valve handles are not changed correctly.