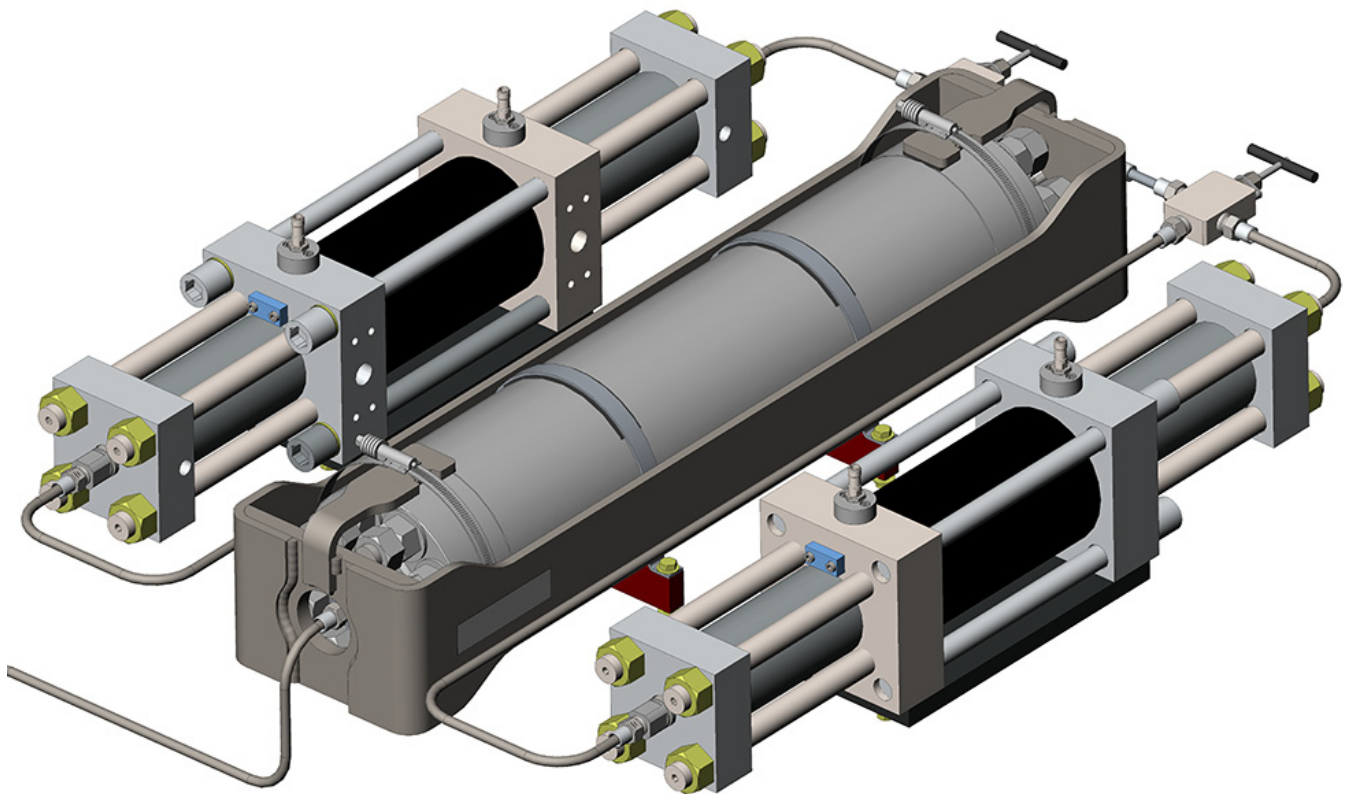




Redundant intensifiers

for HyPrecision pumps with redundant intensifiers



Operation guide

810280 | Revision 0 | English

Redundant intensifiers

Operation guide

810280
Revision 0

English
Original Instructions

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Information and hazard symbols

Some symbols in this table could be relevant to other products.

 DANGER	This symbol identifies an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
 DANGER	Dangerous voltage To reduce the risk of serious injuries or death, wear approved protection and follow safety recommendations when working with electricity.
 WARNING	This symbol identifies a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
 WARNING	Do not operate this equipment without the guard installed.
 WARNING	Risk of explosion
 CAUTION	This symbol identifies a potentially hazardous situation, which, if not avoided, could result in minor or moderate injury, or property damage.
	Refer to the instruction manual. Read and understand all of the safety guidelines in this manual.
	This symbol identifies a mandatory action.
	This symbol identifies a prohibited action.
	This symbol identifies tools or materials that are required or recommended for a procedure.
	This symbol identifies a note or helpful information.

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.
	<p>Make sure that the valve lock kit is installed before doing this procedure. Refer to Field Service Bulletin 810270 Valve lock kit for more information.</p> <ol style="list-style-type: none">1. Go to www.hypertherm.com/docs.2. Select Waterjet Family in the Product/Product type dropdown list.3. Select Manuals/Service Information in the Category dropdown list.4. Select Field Service Bulletin (FSB) in the Subcategory dropdown list. <p>The navigation instructions can change without notice.</p>

Purpose

This guide describes how to change operation of the intensifiers on a system with redundant units.



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

Change the intensifier that is in operation

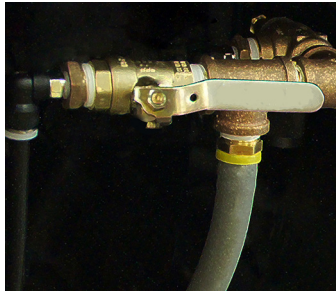


Required parts, tools, and materials

Two locks

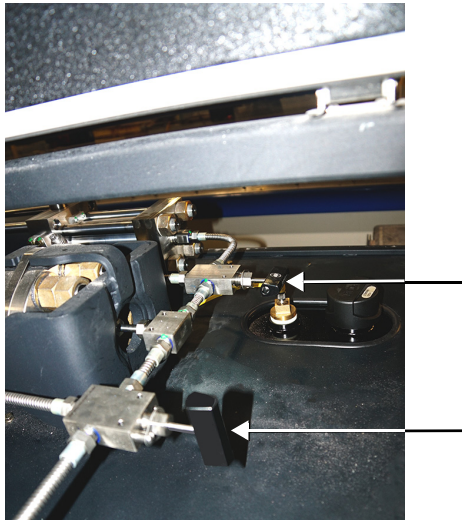
Do this task when the pump is not running.

1. Turn OFF the pump.
2. Open the water valve to drain the water from the system. Make sure that the water pressure gauges show 0.0 bar or 0 kPa (0 psi).

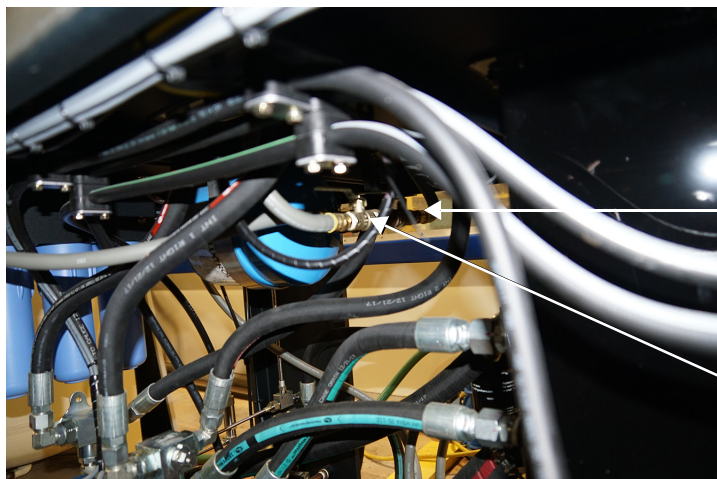


Water valve in the open position

3. 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.



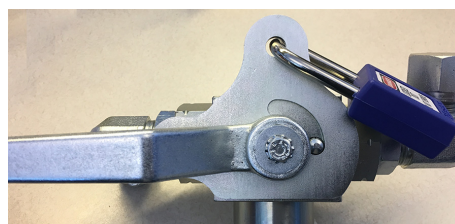
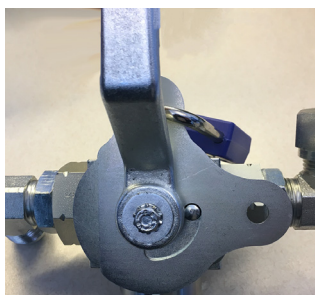
-
4. Turn the low-pressure water valve handles below the top deck to open the valve supplying the intensifier that will be operated. Close the valve supplying the intensifier that will not be operated.



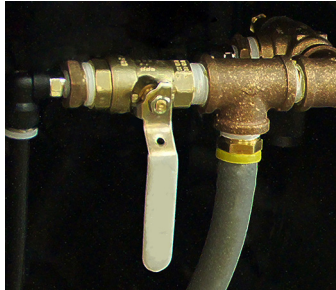
5. If there are locks on the locking plates, remove the locks.
6. Turn the hydraulic valve handles on the pump manifold 90° to send hydraulic fluid to the intensifier that will be operated.



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



8. Close the water valve.



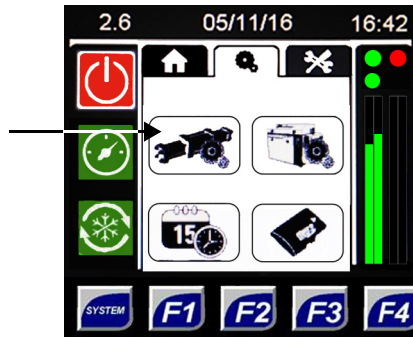
Water valve in the closed position

9. Touch the tab on the operator interface for the Settings screen.



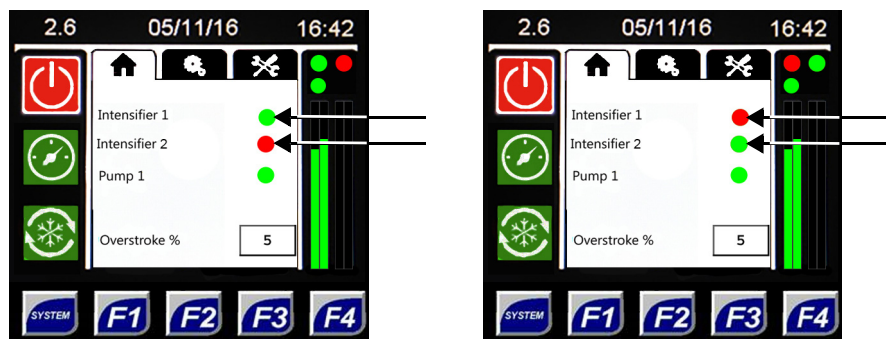
The Settings screen opens.

10. Touch the symbol for intensifier settings.



The intensifier settings screen opens.

11. Touch the dots on the screen to turn the intensifiers on and off.



Green shows enabled status. Red shows disabled status.

The pump is ready for operation.