

Attenuator guard

for HyPrecision 60S and 75S pumps without redundant intensifiers



Installation guide

809630 | Revision 1 | English

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English Original Instructions

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Section 1 Product description

This guard is designed to be used on a 2-liter Hypertherm or AccuStream attenuator.

The attenuator guard is intended to keep personnel safe from studs or end caps, which can become projectiles if the attenuator fails.

Specifications

2-liter attenuator	181.44 kg (400 lb)
Attenuator guard	99.06 cm × 22.2 cm × 18.26 cm (39 in × 8-3/4 in × 7-3/16 in)
	25.85 kg (57 lb)

Section 2 Installation

Hypertherm products are designed and manufactured with a commitment to continuous quality control and safety. Contact a Hypertherm Technical Service Associate for information and support regarding the installation and repair of

These installation instructions are for HyPrecision 60S and 75S pumps without redundant intensifiers.

For HyPrecision 100D pumps, 150D pumps, and 60S and 75S pumps with redundant intensifiers, refer to 809640 Attenuator guard installation guide for HyPrecision 100D, 150D, and 60S and 75S pumps with redundant intensifiers.

Safety

this equipment.

	Refer to the instruction manual. Read and understand all of the safety guidelines in this manual.
<u>^</u>	Dangerous voltage To reduce the risk of serious injuries or death, wear approved protection and follow safety
DANGER	recommendations when working with electricity.
VARNING	Personal protective equipment is recommended. Failure to wear personal protective equipment can result in injuries or death.
WARNING	A person who works on deenergized machinery may be seriously injured or killed if the machinery is reenergized without permission.
	All workers must respect lock-out and tag-out devices. Only the person who applies a hazardous energy control device should remove it.
	All workers in an area where energy-control procedures are used must receive training regarding the energy-control procedure and the prohibition against removing a lock out-tag out device.
	Keep the work area clean and free of fluid spills.

Unpack the guard

Make sure that these items are included:

- Attenuator guard
- Attenuator guard strap kit

The attenuator guard strap kit contains:

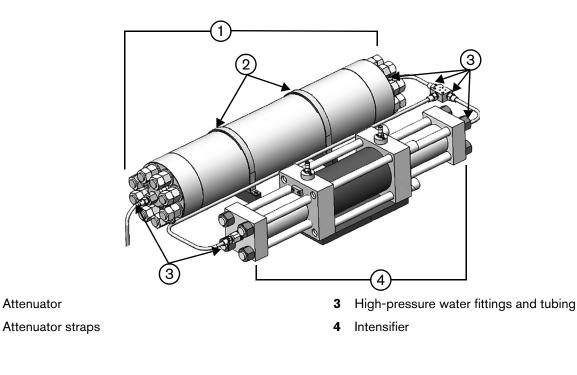
- 2 guard straps
- 4 adhesive-backed rubber pads
- □ 3/8-inch wrench
- Attenuator guard installation guide

Make sure that the equipment was not damaged during shipping. If the equipment is damaged, a claim must be filed with the carrier. Report shortages or damages to the OEM or to Hypertherm Waterjet within 10 days of receipt of the equipment.

Install the guard



Disconnect and lock out or tag out the electrical main and relieve all water and hydraulic pressure from the pump before installing this equipment.



Required parts, tools, and materials

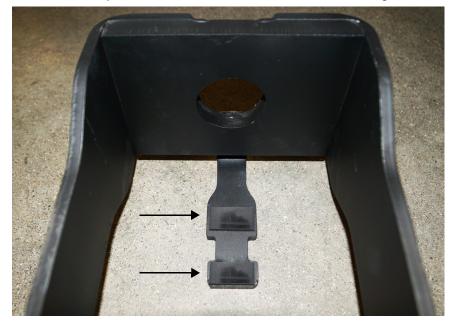
Attenuator guard strap kit (included with the guard)

High-pressure antiseize lubricant such as Blue Goop or AccuGoop

13/16-inch open-ended wrench

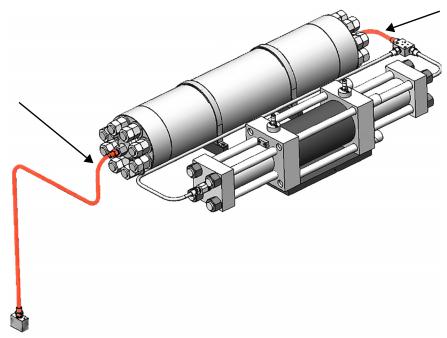
1

2



1. Put the adhesive-backed rubber pads on the tabs on both ends of the attenuator guard.

2. Disconnect the high-pressure tubing from both ends of the attenuator. The tubing and connections are indicated in red.



3. Use 2 people to put the guard over the attenuator.



Install the guard straps

1. Push the end of the guard strap between the guard and the attenuator and up the other side between the guard and the attenuator.



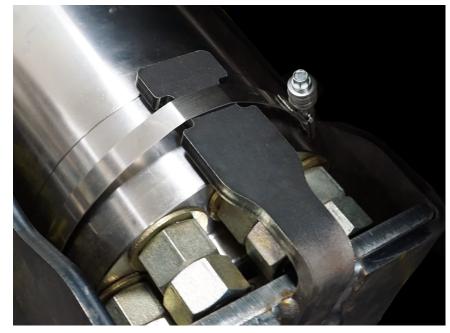
Guard strap



2. Put the end of the guard strap into the end of the bolt drive.

Bolt drive

- 3. Turn the bolt on the guard strap to tighten it.
- 4. Put the guard strap over the tab on the attenuator guard.



5. Tighten the bolt.



- 6. Connect the high-pressure tubing to the attenuator. Torque the connectors to 68 N·m (50 lbf·ft).
 - Put high-pressure antiseize lubricant on the threads of the high-pressure connectors.
- 7. Turn ON the pump in cooling mode. Monitor for leaks. Identify the source of a leak and repair the problem.

WARNING	Use a piece of cardboard or other solid material to find leaks when the pump is operating. Do not use hands, cloth, paper, or towels.
WARNING	Do not repair a leak with high-pressure water in the system. Discharge all high-pressure water before working on this equipment.

Parts lists

Genuine Hypertherm parts are the factory-recommended replacement parts for this pump. The Hypertherm warranty might not cover damage caused by using nongenuine Hypertherm parts.

To order parts, contact the original equipment manufacturer (OEM) or Hypertherm Inc. with the part numbers and quantities.

Hypertherm Waterjet 305 2nd Ave NW, Suite 115 New Brighton, MN 55112 USA +1 866-566-7099 +1 651-294-8620 fax

Quantity refers to the number of units included with each part number.

16320 2-liter attenuator guard assembly kit

Part number	Description	Quantity
16308	Guard strap	2
16309	Adhesive-backed rubber pad	4
16322	3/8-inch wrench	1
809630	Attenuator guard installation guide for HyPrecision 60S and 75S pumps without redundant intensifiers	1

Other parts

Lubricants

Part number	Description
11111	Blue Goop high-pressure antiseize lubricant
11448	AccuGoop food-grade high-pressure antiseize lubricant

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