



Attenuator guard

for 60-hp and 75-hp pumps with single intensifiers



Installation guide

809630 | Revision 1 | English

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809630
Revision 1

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.

Section 3

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 4

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 this equipment.

These installation instructions are for 2-liter attenuators installed on:

- HyPrecision models 60S and 75S with single intensifiers
- AccuStream models AS-6060 and AS-6075 with single intensifiers

For other models, refer to 809640 *Attenuator guard installation guide for 100-hp, 125-hp, and 150-hp pumps and 60-hp and 75-hp pumps with redundant intensifiers*.

Safety

	Refer to the instruction manual. Read and understand all of the safety guidelines in this manual.
 DANGER	Dangerous voltage To reduce the risk of serious injuries or death, wear approved protection and follow safety recommendations when working with electricity.
 WARNING	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

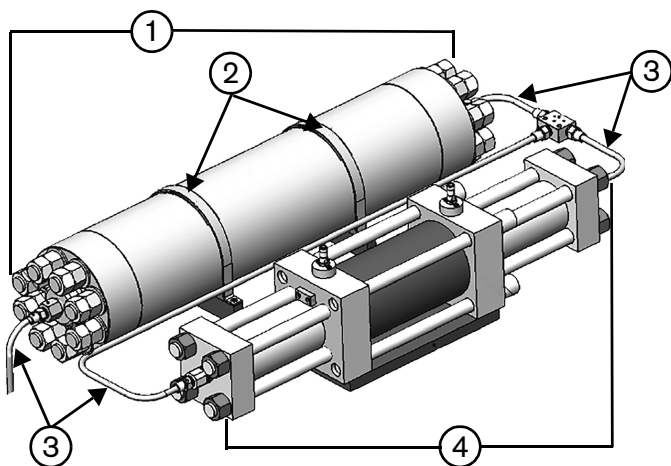
The attenuator guard strap kit contains:

- ❑ 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 attenuator guard

 WARNING	Disconnect and lock out or tag out the electrical main and relieve all water and hydraulic pressure from the pump before installing this equipment.
 WARNING	This installation procedure requires 2 people for some tasks.



- 1 Attenuator
- 2 Attenuator straps

- 3 High-pressure tubing
- 4 Intensifier



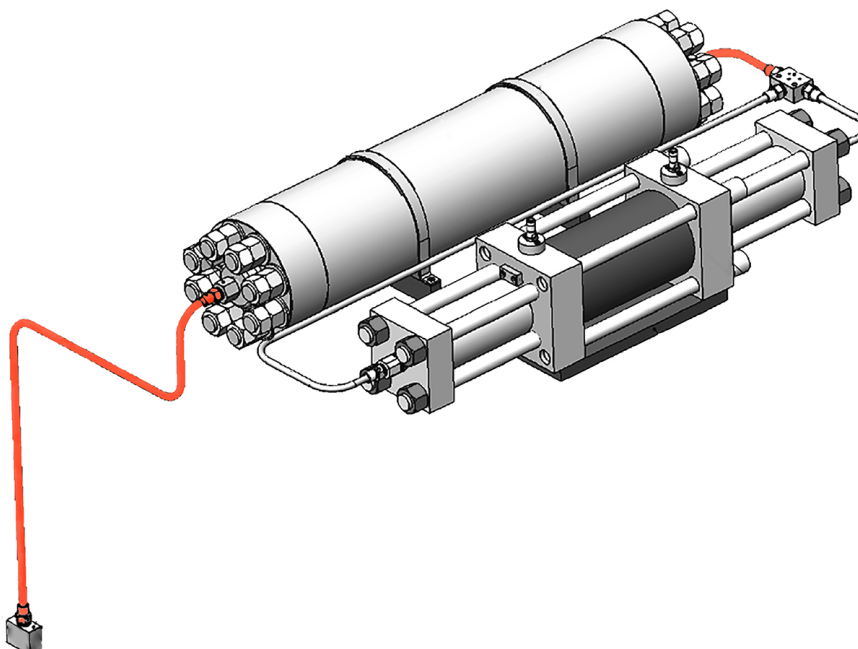
Required parts, tools, and materials

Attenuator guard strap kit (included with the guard)

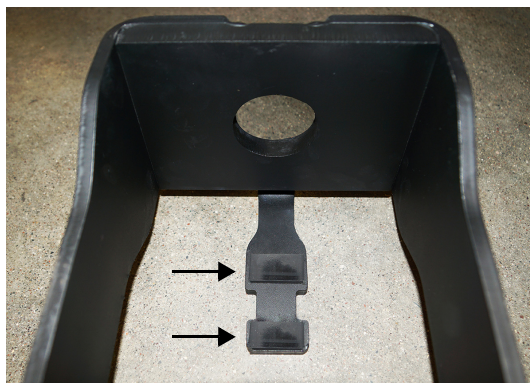
High-pressure antiseize lubricant such as Blue Goop or AccuGoop

13/16-inch open-ended wrench

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



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



3. Use an assistant to help put the guard over the attenuator.



Installation

4. Put the guard straps inside the guard and around the attenuator.




5. Put the ends of the guard straps into the bolt drives.





6. Put the guard straps over the tabs on the top of the attenuator guard.



7. Turn the bolt drives clockwise to tighten the guard straps.
8. 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.

9. 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.

Section 5

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.

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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
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Parts lists

Other parts

Lubricants

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