

Neoprene dampers

Installation and operating instructions



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Other languages
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English (US)

Installation and operating instructions 4

Original installation and operating instructions

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1. General information



Read this document before you install the product. Installation and operation must comply with local regulations and accepted codes of good practice.

1.1 Hazard statements

The symbols and hazard statements below may appear in Grundfos installation and operating instructions, safety instructions and service instructions.



DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious personal injury.



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious personal injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate personal injury.

The hazard statements are structured in the following way:



SIGNAL WORD

Description of the hazard

Consequence of ignoring the warning

- Action to avoid the hazard.

1.2 Notes

The symbols and notes below may appear in Grundfos installation and operating instructions, safety instructions and service instructions.



Observe these instructions for explosion-proof products.



A blue or gray circle with a white graphical symbol indicates that an action must be taken.



A red or gray circle with a diagonal bar, possibly with a black graphical symbol, indicates that an action must not be taken or must be stopped.



If these instructions are not observed, it may result in malfunction or damage to the equipment.



Tips and advice that make the work easier.

2. Product description



TM086344

Neoprene damper

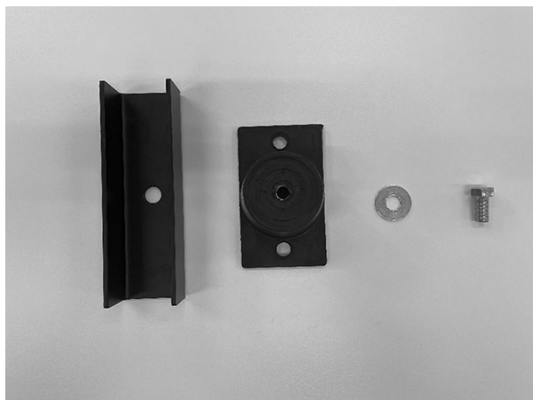
The neoprene dampers can be installed on the GRUNDFOS DELTA HCU pump skid to reduce the vibration transmitted to the building.

3. Mechanical installation



This installation guide only applies to the optional neoprene dampers supplied with the GRUNDFOS DELTA HCU system.

1. Each pump in the system is supplied with one pair of dampers, a bolt, a washer and a base frame bracket.



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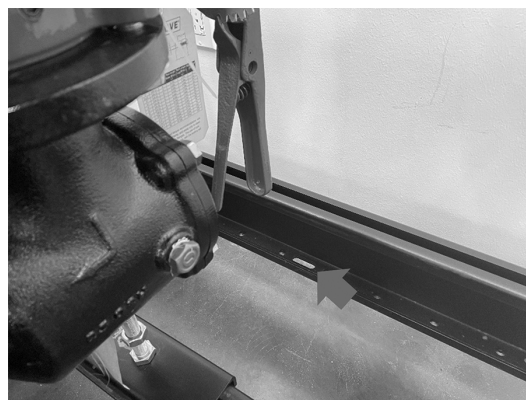


TM086772

2. Both dampers need to be installed in the slotted holes of the outermost beams. One damper is on the motor side of each pump and the other damper is on the opposite side of the motor end.



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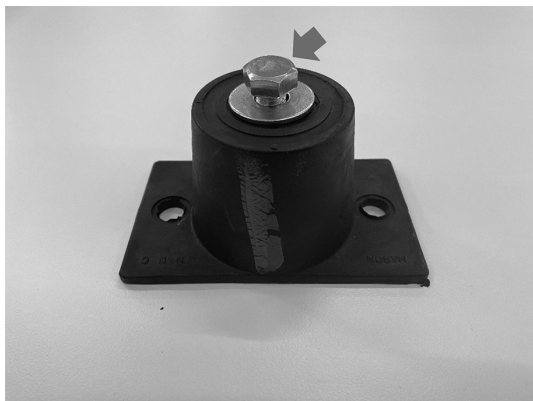
TM086774

3. Place the system on blocks that can handle the weight of the system.



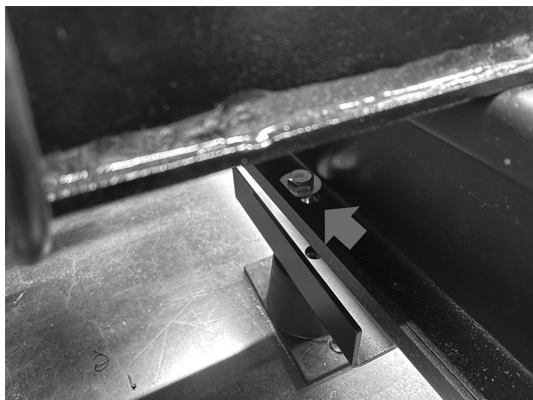
TM086775

4. Remove the bolt from the damper, if installed.



TM086776

5. Place the bolt through the slotted hole with the washer between the bolt head and the base frame beam.



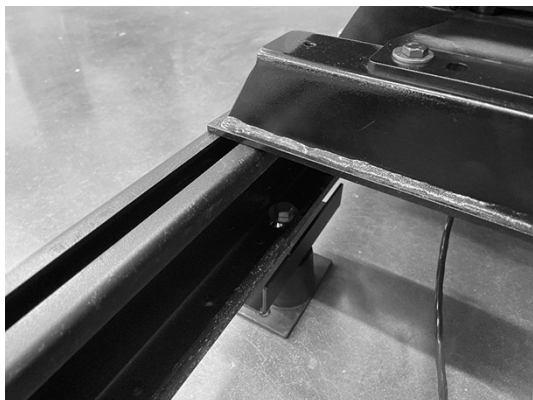
TM086777

6. Place the base frame bracket on the top of the damper and make sure the holes are concentric.



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7. Slide the combined damper and base frame bracket under the base frame beam.



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8. Lift the combined damper and base frame bracket and tighten it to the bolt in the slotted hole.



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9. Move the damper along the slot until the damper is centered with the pump shaft centerline.



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10. Tighten the bolt to lock the damper to the base frame. See the recommended torque values below:

- dry bolt: 75 ft-lbs
- lubricated bolt: 45 ft-lbs.

11. Remove the blocks under the system and place the system on the foundation.

12. Each damper has two holes that can be bolted to the foundation. These holes can accommodate bolts with a maximum diameter of 0.5 inch. In most applications, anchoring the dampers to the floor is not required. However, if there are any seismic requirements or if the system is located outdoors, the dampers need to be bolted to the foundation.

4. Disposing of the product

This product or parts of it must be disposed of in an environmentally sound way.

1. Use the public or private waste collection service.
2. If this is not possible, contact the nearest Grundfos company or service workshop.

See also end-of-life information at www.grundfos.com/product-recycling.

5. Document quality feedback

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