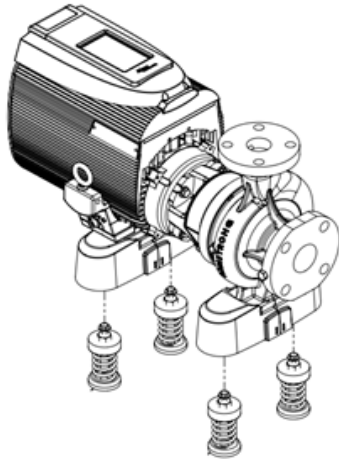


DESIGN ENVELOPE 4200H & 4280 SPRING ISOLATOR | INSTALLATION AND OPERATING INSTRUCTIONS

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CAUTION



Always disconnect power supply from motor before beginning service work.

NOTE: That the springs are temporarily secured to the pumping unit by 4 sets of packaging sleeves. These must be removed once the pumps are positioned in place.

LEVELING

It is recommended that the Design Envelope 4200H and 4280 pumping units 1-10hp pumps be leveled for general pump operation. Note that these pumps are equipped with support blocks to help pre-level the assembly and provide stability during installation to the piping system.

Once water is added to the piping system, the pumps must be levelled to the final operating weight. Start by removing the shrouds from the front and back of the pump **FIG 1.2.1**. Lift the shrouds up to detach from pump, then remove the two shroud halves apart.

Turn the rubber knobs and continue even adjustment of all mounts until all springs are loaded and mountings are back to Free and Operating Height. It is important that the mounts are all adjusted evenly by working in a clockwise or counter-clockwise pattern as the springs are adjusted. Tighten cap screws to secure equipment.

Turn the knob clockwise to increase the free & operating height, or counter-clockwise to decrease the height. The free & operating heights by pump model are listed in the below table

DE 4200H/4280, SPRING TYPE	FREE & OPERATING HEIGHT
Standard Spring Isolators	3.75" (95 mm)
Seismic Mount	5.00" (127 mm)

Ensure that the support blocks are removed once the springs are all levelled. The support blocks must be removed for proper vibration isolation (See **FIG 1.2.1A**).

The shrouds can then be re-assembled to the pump by fastening the 2 halves together around the pump foot and motor foot. Push the shroud assembly down and ensure the shroud pins click into the locator holes in the castings.

FIG 1.2.1

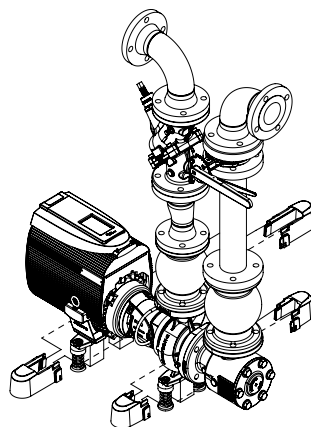
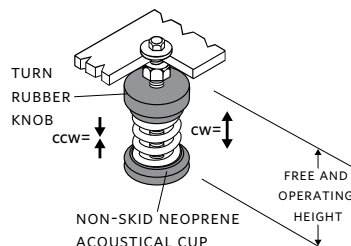
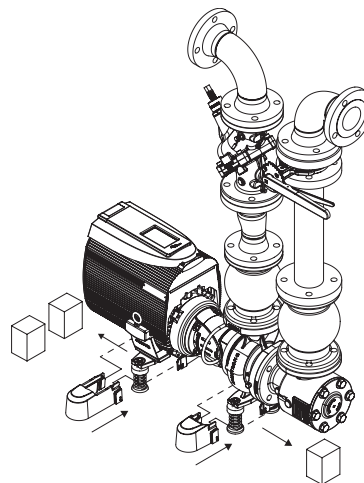


FIG 1.2.1A



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