

Hydrostatic Bearing Oil Chillers

M Franz, Oct 5, 2018

In the event that the one of the green indicators fails to illuminate when the chillers are set to "AUTO", the mushroom switch is pulled and the circulating pump is running, there is another way to verify operation. Under the Omron temperature controller on the right, front of the chillers-control cabinet, there is a multi-position, rotary selector. Above this selector is a digital, LED amperes display. This display will show the ampere draw of the motor selected with the rotary switch. The two first most counterclockwise positions of the selector should show the ampere draw of whichever chiller is running at the time. Since the chillers alternate at every startup, checking both of the positions should reveal current draw for one of the motors, verifying operation. Normal current operating range is 6.3 - 7.2 amperes, depending on oil temperature, ambient air temperature, and whether or not the operating chiller's condenser fan is running at the time.

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