

EH70 Manual Override Option

Last Updated: 3/24/22, v2022.1

Manual override description:

Normally closed EH70's can be configured with an optional manual override. When looking at the override from underneath the valve, turning the hand wheel of the ACME thread device **CLOCKWISE** directly pushes the main piston to the open state. It **WILL NOT** force the valve closed.



EH70 product sizes covered:

The maximum allowable inlet pressure is derated to 1000 psi for all sizes offered. A larger lever is used on the 1" to assist with opening.

Valve size	Maximum Inlet Pressure (psi)	Handwheel
½"	1000	Standard hand wheel
¾"	1000	Standard hand wheel
1"	1000	Larger lever

Configurations covered:

Only Normally closed valves can have the manual override. The override is used to manually force valves open without power. EH70's with switches cannot have a manual override.

Why not normally open valves?

The design of the override can only force the EH70 to open. A normally open valve opens when de-energized by design, so it does not make sense to use a manual device to change the state of a valve to that which would occur without power applied.

Temperature limitations:

Temperature is limited by the grease applied to the ACME threads. The maximum temperature rating for the standard grease is 347 deg F.

What type of grease is used standard?

The ACME threads on the overrides are lubricated with Halocarbon 25-5s grease. This is a PTFE oil thickened grease that is oxygen and chlorine compatible.

Service temp: -20 to 175 C [-4 to 347 deg F]

Alternative greases must be selected for cryogenic applications

What is the part number suffix for manual override?

“-MN”