GE VERNOVA HITACHI

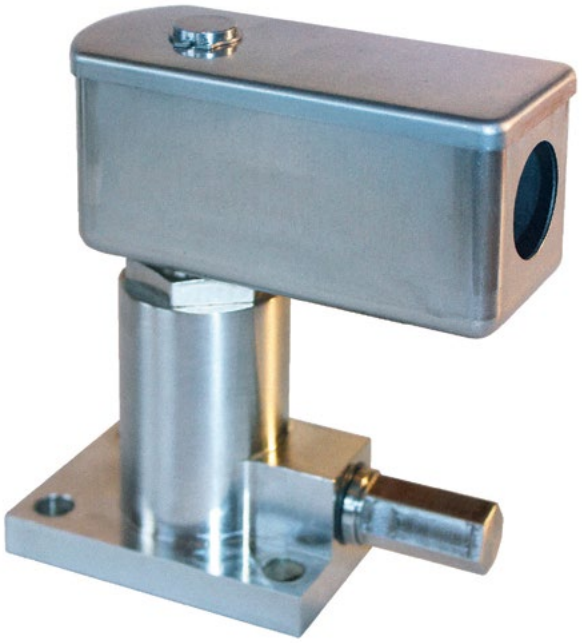
FACT SHEET

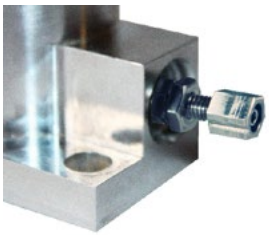
DIRECTIONAL CONTROL VALVE (DCV)

General description:

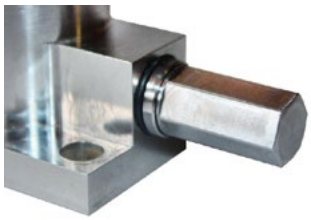
The GE Vernova Hitachi Nuclear Energy (GVH) Directional Control Valve (DCV) is designed for use in BWR Hydraulic Control Units (HCU). The DCVs supply the associated control rod drive mechanism with driving water at the proper flow and pressure to permit full or partial rod insertion or withdrawal.

The DCVs are normally closed (de-energized) and open to insert or withdraw the associated control rod. This valve is designed as a direct replacement of the current generation of DCVs.





Flow control device



Flow control device with cover in place

Features and benefits:

- Enhanced flow control valve that provides for easier adjustment and identification of valve position
- Specifically designed to support a seamlesstransition/work in parallel with models currentlyinstalled
- Designed to mount in the same manner andlocation as existing DCVs and tested for differentmounting orientations
- Tested at an integrated facility using a Control RodDrive Mechanism (CRDM)
- Designed to minimize potential of “sticking” or “double notching”
- Stainless steel coil enclosure eliminates a concernrelated to the introduction of painted surfaces into the primary containment of BWR/6 plants Voltage solution

Learn more at gevernova.com/nuclear

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