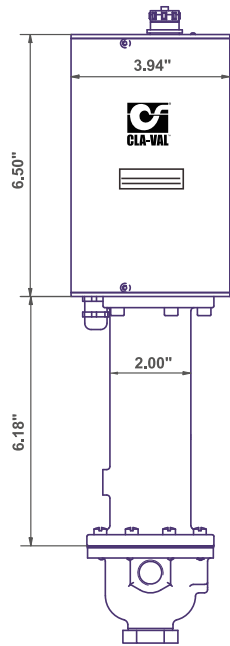




— MODEL — **CDHS-34**

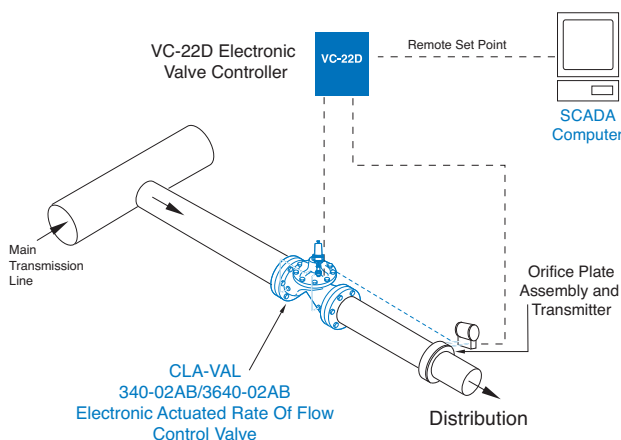
# Electronic Actuated Rate of Flow Pilot Control



- Simplified Remote Valve Set-Point Control
- 12-24VDC Input Power
- Isolated Input
- Reverse Polarity Protection
- Reliable Hydraulic Operation
- IP-68 Submersible
- Use with the VC-22D Electronic Controller

The Cla-Val Model CDHS-34 Electronic Actuated Differential Pressure Pilot Control provides remote set-point adjustment and accurate differential pressure control for rate of flow control on Cla-Val 340 Series Control Valves. Remote set-point command signals can be from any SCADA-type control system using analog 4-20 mA signal or by contact closure for cc/ccw rotation. A precision orifice plate installed with valve creates differential pressure used for rate of flow control by the CDHS-34. Operating on 12 to 24 VDC and consuming very little power, it is an ideal control system for remote valve sites that may even be solar powered. Existing manually-set Cla-Val 40 Series Rate-of-Flow control valves can be retrofitted with CDHS-34 to add remote set-point control. Verification of differential pressure and corresponding flow rate may be sent to SCADA system from customer supplied differential pressure sensor attached to orifice plate.

The CDHS-34 consists of a hydraulic pilot and integral controller that accepts a 4-20 mA remote set-point and positions the pilot to maintain a maximum pressure differential at orifice plate and corresponding flow rate within preset limits. Pressure differential settings are linear between these settings. Special USB connector cable and free downloadable software can be used to change built-in electronic range limits for differential pressure and corresponding flow rate. Continuous internal monitoring of actuator position results in smooth transitions between pilot set-points with no backlash or dithering. When power or control input fail, the CDHS-34 pilot remains in automatic hydraulic control assuring system stability under all conditions.



## Typical Applications

The CDHS-34 Is installed on Cla-Val 340 Series valves that maintain flow rate and require this flow to be changed from a remote location. It is also an effective solution for lowering costs associated with "confined space" requirements by eliminating the need for entry in valve structure for set-point adjustment. Additional pilot controls, hydraulic and/or electronic, are also available to perform multiple functions to fit exact system requirements.