CBVE-Controller

Ball Valve Closure System for Vaporizers

The CBVE-Controller is used in conjunction with an electrically actuated ball valve to prevent liquid carryover in gas feed systems using a vaporizer.

When AC power is applied, the CBVE-Controller will open a 12VDC electrically actuated ball valve in the gas line downstream of the vaporizer. When AC power is lost, it will close the 12VDC electrically actuated ball valve.

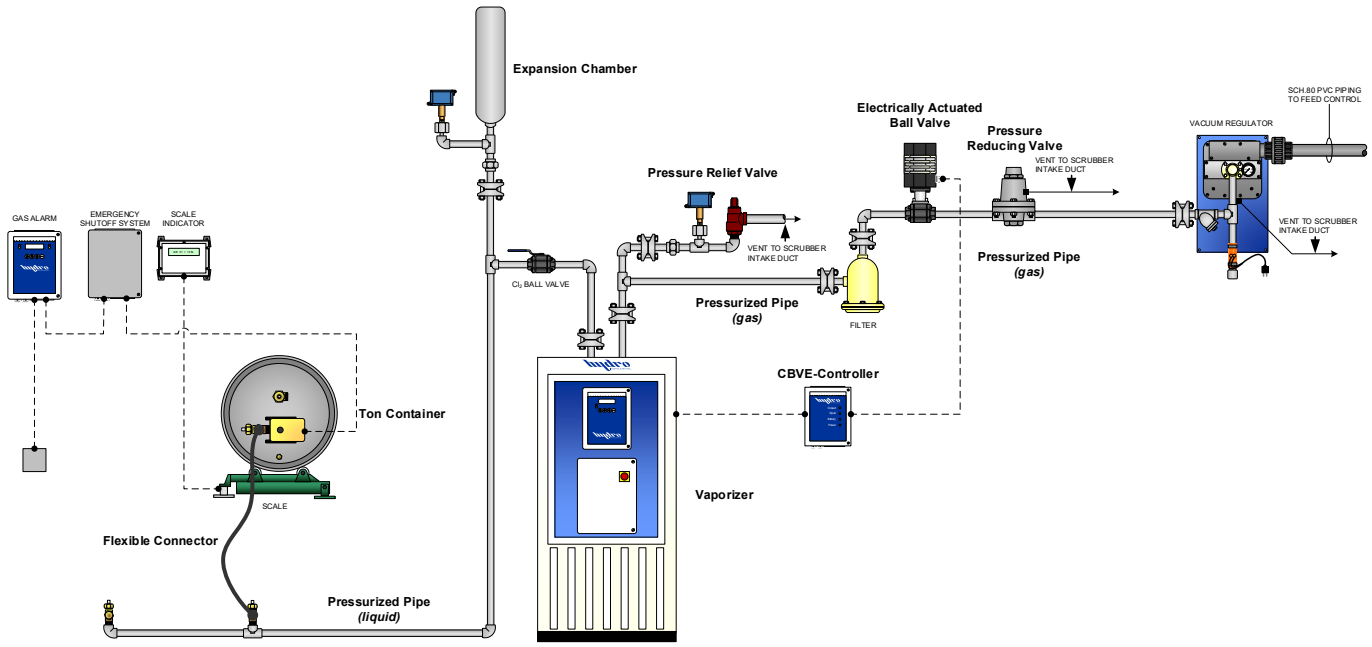
Features

- Fully compatible with all Hydro Instruments vaporizers
- Can be used with any compatible 12VDC electrically actuated ball valve
- Internal battery is used to close the 12VDC ball valve
- The CBVE-Controller is housed in a NEMA4X enclosure
- LED indicators: Valve Closed, Valve Open, Battery Power, AC Power
- 1-Year Limited Warranty

Principle of Operation

A complete setup requires one (1) CBVE-Controller, one (1) 12VDC electrically actuated ball valve, and one (1) manually operated pressure reducing valve—equipment sold individually. This setup takes the place of the commonly used all-in-one electrically actuated pressure reducing valve.

The CBVE-Controller is wired to and powered from an alarm relay in the vaporizer. Should any relevant alarm condition exist, the relay will cut AC power to the CBVE-Controller. This triggers the CBVE-Controller to use its internal battery to close the 12VDC electrically actuated ball valve, stopping chemical feed. The electrically actuated ball valve acts as a positive shutoff in the pressurized gas line downstream of the vaporizer to prevent liquid chemical from travelling to and damaging downstream equipment.



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