

Chemical Injection Metering Valve

Subsea Technologies | Chemical Injection Metering Valve

Features

- Real-time positive displacement injection feedback
- Self-regulating active valve orifice accommodates for varying pressure differentials, fluid viscosities and potential contamination
- +/-5% of set point flow rate
- Capable of flow rates ranging from five gallons per day to two gallons per minute
- Optional "Fail-Closed" configuration
- Controller programming and bi-directional flow path to mitigate contamination risks
- Automatic cleansing cycles that flush potentially clogging contaminants
- Capable of housing up to two hydraulic cores

Benefits

- Can simultaneously deliver multiple chemicals at controlled and verifiable injection rates
- Eliminates filters
- Can provide continuous chemical injection despite loss of host electrical power
- Able to handle all chemicals under a wide range of differential pressures without regard to fluid viscosity

Hunting’s chemical injection metering valve provides subsea chemical injection metering for multiple-well field developments with long offset distances from the host production facility.

This revolutionary technology provides a cost-effective and reliable solution that has redefined subsea chemical injection accuracy and performance.

System Specifications

Maximum Working Pressure	17,500 psi
Pressure Drop—Chemical to Well	10,000 psi maximum / 50 psi minimum differential pressure
System Configuration	Single or dual independent operating systems
Operating Temperature	0°F to 140°F
Electrical Power and Voltage	12 watts maximum at 24 VDC per valve
Communication	MODBUS over RS485 or CANopen over CANbus (CiA 443)
Flow Control Range	*5 to 2,880 gallons per day
Deviation from Set Point	+/-5% of set point flow rate
Chemical Cleanliness	SAE AS-4059 Class 12B-F or better
Maximum Water Depth	15,000 ft
Electrical Power Loss Configuration	Fail As-Is/Fail-Closed option
Pressure Transducers	Chemical in and out
Subsea Filters	Not required
ROV Interface	API 17H/ISO13628-8 Class 4 rotary



Field Projects	
Cascade & Chinok	Julia
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Hadrian	Perdido
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