

CHEMICAL INJECTION VALVE

DESCRIPTION

The Chemical Injection Valve (CIV) is a downhole flow control device installed in the tubing or casing string to deliver precise volumes of treatment chemicals directly into the wellbore or production stream. These chemicals—such as corrosion inhibitors, scale inhibitors, paraffin dispersants, and demulsifiers—protect downhole equipment, enhance flow assurance, and maintain long-term well integrity.

The valve operates either hydraulically from the surface or by differential pressure, enabling controlled continuous or batch chemical injection depending on operational requirements. Its robust and corrosion-resistant design ensures reliable performance in high-pressure, high-temperature (HPHT) and sour service conditions.

By ensuring accurate delivery of chemicals to the targeted zone, the CIV minimizes chemical consumption, reduces maintenance costs, and helps maximize production efficiency and equipment lifespan.

FEATURES

- Precise, targeted delivery of treatment chemicals to prevent corrosion, scaling or hydrate formation
- Improves well integrity and extends equipment service life
- Reliable operation in HPHT and sour service environments
- Configurable for continuous or intermittent chemical injection

Side Pocket Mandrel Size in - [mm]	Max Eccentric OD in - [mm]	Min ID in - [mm]	Rupture Disc Burst Pressure Psi - [Bar]	Check Valve Top Connection	Pressure Rating Psi - [Bar]
2,375 - [60,3]	3,95 - [125,73]	1,925 - [48,9]	5000 - [345]	3/8" NPT	10000 - [68,9]
2,875 - [73]	4,45 - [113,03]	2,38 - [60,45]	5000 - [345]	3/8" NPT	10000 - [68,9]
3,5 - [88,9]	5,5 - [139,7]	2,85 - [72,39]	5000 - [345]	3/8" NPT	10000 - [68,9]
4,5 - [114,3]	5,875 - [149,23]	3,75 - [95,25]	6000 - [41,37]	3/8" NPT	10000 - [68,9]
5,5 - [139,7]	8,15 - [207]	4,35 - [110,5]	6000 - [41,37]	3/8" NPT	10000 - [68,9]

