

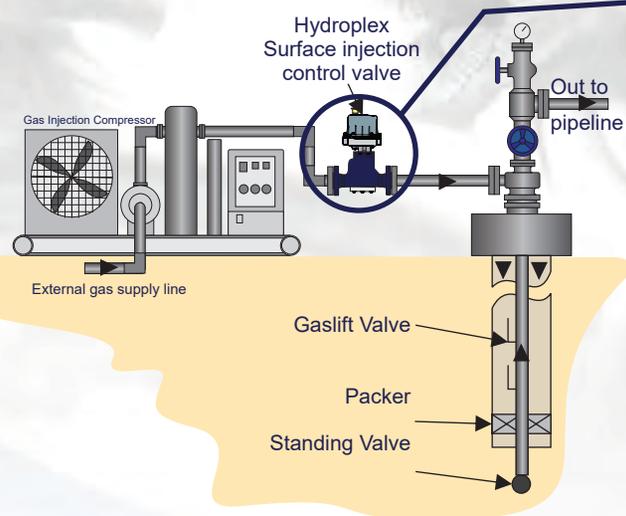
CONTINUOUS AND INTERMITTENT GAS LIFT

For wells with low reservoir pressure and low production rates, continuous or intermittent gas lift can be an option. To implement this process, high-pressure gas is injected in intermittent cycles or continuously to displace liquid slugs to the surface. This lift method is only used for tubing flow applications and can be an effective use of available produced gas.

How Gas Lift Works

Gas lift is an artificial lift method. It increases production potential of a well by injecting high pressure gas into the production tubing to raise the water or oil column. High pressure gas is injected and introduces bubbles into the liquid column. This lowers the hydrostatic pressure at the bottom of the tubing, reducing the column density. The reduced density allows the liquids to begin flowing again.

The gas is normally injected down the tubing annulus and enters the production tube through multiple gas lift valves. The liquids are then forced up and out of the well bore.

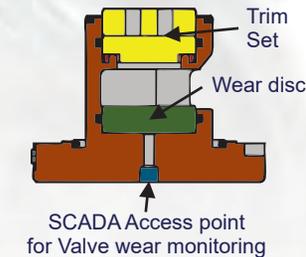


Benefits of installing a Hydroplex Valve

- **Precise Control** with “Direct Mount” Actuation, no brackets, linkage or adapters
- Superior **Resolution and Accuracy** with 90 Degree Rotary Twin Disc trim
- **High Repeatability Rate** maintains unparalleled control in applications
- **Twin Disc Design** separates control and sealing surfaces for longer useful life
- **Robust Stem and Seal** design provides for hundreds of thousands of cycles
- Solid **Tungsten Carbide Trim** minimizes seal and control surface wear
- **Longest Mean Time Between Service** with Stainless Steel internals
- **Chemical Injection Port** in the body reduces the potential for freezing
- Ease of maintenance with the **Internal Cartridge Assembly**

HYDROPLEX CSX

Cartridge Assembly



Major Components

1. Carbon Steel Body
2. Stem
3. Thrust Bearing
4. Tungsten Control Disc
5. Positive Bean (Optional)
6. Carbon Steel Cartridge
7. 1/4" Threaded Port for Pressure Sensor or Gauge
8. Wear Disc

