



PROPORTIONAL RESPONSE GAS LIFT VALVES

L SERIES VALVES

PARVEEN L Series Valves are temperature independent, wireline-retrievable, spring-loaded throttling type valves designed for continuous flow gas lift applications. These valves are designed to help adjust the required gas injection rate in response to changes in the tubing pressure at the valve, injecting more gas for a heavy gradient fluid than for a light gradient fluid. This proportional response allows the injection of the optimum volume of gas to maintain the desired fluid lifting capabilities of the installation.

BENEFITS OF DESIGN PRINCIPLE

- Predictable proportional response operating characteristics of this design, permit the optimum volume of gas to pass from the annulus to the tubing in response to fluctuations in production pressure.
- Hydrostatic and vibration protection for the Monel bellows assembly increases valve service life.
- Tungsten carbide ball and seat are designed to minimize erosion and maintain positive closure of the valve.
- Large diameter back check valve is designed with resilient seals to provide protection from intrusion of production fluids into annulus.
- Utilizes full operating gas pressure to the bottom valve.

STANDARD SERIES MODELS

LM-16R : 1-inch diameter wireline-retrievable valve for installation in a TMP Mandrel with BK-2 or M Latch.

L-12R : 1 ½ - inch diameter wireline-retrievable valve for installation in a TP Mandrel with a TG, RK, RM or T2 Latch.

LN SERIES VALVES

PARVEEN LN Series Valves are wireline-retrievable throttling type valves designed for high gas volume and high pressure continuous flow installations. A specialized bellows design allows for very high valve set pressures and improved throttling characteristics. The proportional response capabilities, determined by dynamic flow tests of these valves, enable design engineers to calculate accurately the gas injection volumes to be achieved throughout the anticipated range of operating conditions of the well.

BENEFITS OF DESIGN PRINCIPLE

- Predictable proportional response operating characteristics of this design, permit the optimum volume of gas to pass from the annulus to the tubing in response to fluctuations in production pressure.
- Hydrostatic and vibration protection for the Monel bellows assembly increases valve service life.
- Valve closing pressures can be set to 2500 psi.
- LN- 21R valve can inject maximum gas volumes of over 10 mmcf/d.
- Tungsten carbide ball and seat are designed to minimize erosion and maintain positive closure of the valve.
- Large diameter back check valve is designed with resilient seals to provide protection from intrusion of production fluids into annulus.

STANDARD SERIES MODELS

LN-21R: 1 ½ inch wireline-retrievable, proportional response valve for a TP Mandrel with a TG, RK, RM or T2 Latch.

LNM-31R: 1 inch wireline-retrievable, proportional response valve for a TMP Mandrel with a BK-2 or M Latch.