

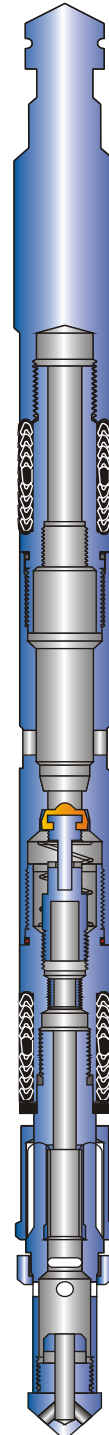
PKO GAS LIFT ORIFICE VALVE

DESCRIPTION

The PARVEEN (Model PKO) retrievable single point injection gas lift orifice valves are used for continuous tubing flow gaslift installations. It is used to control the flow of gas between the casing annulus and the tubing at valve depth. The valve has a check dart controlled by a spring which does not allow the back flow of gas or well fluids. If the injection gas pressure in casing & tubing annulus at valve depth falls below the fluid tubing pressure, the fluid from tubing will try to flow back through the valve. Reverse flow through the valve is prevented by a check dart in the valve body. The check dart is closed by pressure from the tubing and will not allow passage of fluid until casing pressure is greater or equal than tubing pressure. This valve is available from 1/8" to 3/8" port sizes in 1/16" increments.

The valve can be installed in Parveen TM series Side Pocket Mandrel & have an integral bottom latch which locks the valve in the side pocket mandrel. After locating the valve in the side pocket mandrel, downward jarring is required which causes the collet dogs of the latch to engage the lock in the recess provided at the bottom of the Side Pocket. Upward jarring is required to pull the valve. Upward jarring shears the brass shear pin securing the shear ring to the latch body. During upward pulling of the valve in the side pocket the shoulder on the latch body moves out from behind the collet dogs. The collet fingers are deflected inward and disengage from the locking recess of the mandrel pocket. Then the valve is removed from the well.

Injection gas enters thru the external ports of the orifice valve from annulus between casing & tubing. 2 sets of packing located at the top & bottom of external ports on the valve seals across the ports in side pocket mandrel. The injection gas travels through the choke, past the reverse flow check valve and finally into the production conduit.



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ORIFICE VALVE**

ENGINEERING DATA FOR PKO GAS LIFT ORIFICE VALVES.								
Type	Assly Number.	Nominal O.D. (Inch)	Latch	Running Tool		Pulling Tool		Mandrel Series.
				Type	Assly No.	Type	Assly No.	
PKO	130-30 XX-XXX -01	1	Integral Bottom	MR-01	10336-01	MP	11361	TMP, KBM, KBMG, KBG.