



## RETRIEVABLE PRODUCTION - PRESSURE OPERATED GAS LIFT VALVES

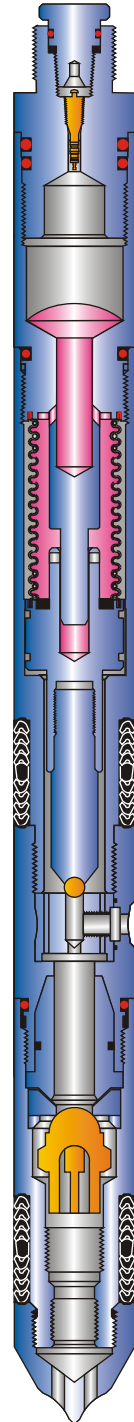
### DESCRIPTION

Parveen wireline retrievable production pressure operated GLV's are used for continuous flow gas lift production. A nitrogen charged multiply monel bellow provides the force necessary to maintain valve in a normally closed position. This valve contains an integral reverse flow check valve.

Port sizes available are 3/16", 1/4" & 5/16"

### OPERATION

Production fluid enters the valve and acts on the effective bellow area. The production pressure necessary to compress the bellow is controlled by precharged nitrogen pressure. When production pressure overcomes the precharged nitrogen pressure in the bellow, the bellow is compressed and lifts the stem tip off the seat. Injection gas flows through the seat, past the reverse flow check valve and into the production conduit.



ENGINEERING DATA FOR RETRIEVABLE PRODUCTION-PRESSURE VALVE .								
Type	Assly Number.	Nominal O.D. (Inch)	Latch	Running Tool		Pulling Tool		Mandrel Series.
				Type	Assly No.	Type	Assly No.	
PR 5	160-40 XX-XXX -01	1.1/2	R, RA, RK.	RTG, TER	16927 11730	PTG, TRP	17048 11390	MM, MMA, MMG.

**PR-5  
GAS LIFT VALVE**

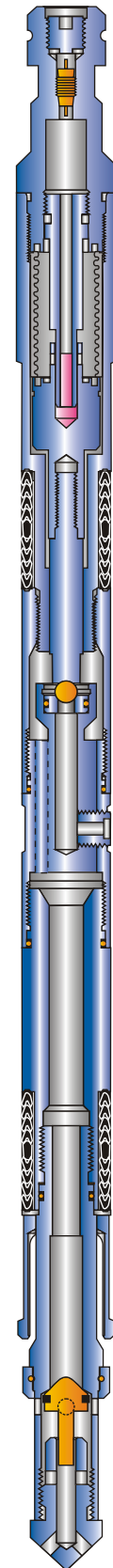


## RETRIEVABLE PRODUCTION - PRESSURE OPERATED GAS LIFT VALVES

### DESCRIPTION

PARVEEN 1" ODPBK-2 is retrievable, production pressure operated Gas Lift Valves which is used in continuous flow gas lift installations. The PBK-2 valve is bellows actuated with nitrogen gas which normally keep the valve in closed position. This valve is having integral reverse flow check valve crossover seat & floating seat. Port sizes available are 1/8", 3/16" and 1/4". Optional choke is also available with this type of valve which can be easily fitted to the external surface of the valve and can be easily removed. The valve can be installed in Parveen TMP 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, downward jarring is required which causes the collet dogs of the latch to engage the locking 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 will be free in the pocket of the mandrel and can be removed.

Production pressure enters through the valve nose and passed upward through cross over seat. The production pressure acts on the effective bellows area. As production pressure overcomes the pre-charged nitrogen pressure in the bellows, the bellows compressed and lifts the stem off the seat. The injection gas then flows through the seat, past the reverse flow check valve and into the production conduit. If the injection gas pressure in the casing & tubing annulus at valve depth falls below the valve set pressure, the valve is closed. Reverse flow through the valve is prevented by a check dart in the valve body.



**PBK-2  
GAS LIFT VALVE**

ENGINEERING DATA FOR RETRIEVABLE PRODUCTION-PRESSURE OPERATED VALVES.								
Type	Assly Number.	Nominal O.D. (Inch)	Latch	Running Tool		Pulling Tool		Mandrel Series.
				Type	Assly No.	Type	Assly No.	
PBK-2	160-40 XX-XXX -01	1	Integral Bottom	MR-01	10336-01	MP	11361	TMP, KBM, KBMG, KBG.