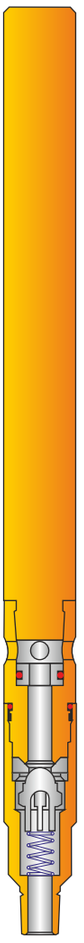
CYAN MAGENTA YELLOW BLACK

ORIFICE VALVES



OM-14R
Orifice Valve



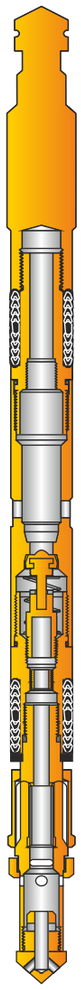
O-14
Orifice Valve

PARVEEN'S "O" Series valves are designed for circulating operations and provide means for communication between the tubing and the tubing / casing annulus.

The PARVEEN (Model PKO) retrievable single point injection gas lift orifice valves are used for continuous tubing flow gas lift 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.

BENEFITS OF DESIGN PRINCIPLE

- CV valves for each orifice size are determined with ISA procedures to provide accurate sizing for proper injection rates
- Efficiency of back check valve provides large flow capacities. Positive sealing feature of back check valve provides protection from intrusion of production fluids into casing annulus
- Various orifice materials (SS, Monel, Inconel, Tungsten Carbide) available to meet application requirements



"PKO"
Orifice Valve

ENGINEERING DATA FOR ORIFICE VALVES

Type	Assy. No.	Nominal OD	Packing OD in.		Port Size in.		Latch Or End Conn.	Running Tool	Pulling Tool	Mandrel
		in.	Upper	Lower	Min.	Max.		Type	Type	Type
OM 14R	150-04XX-XXX-01	1	1.1/32	1.1/32	1/8	3/8	BK-2, M	MR	MP	TMP
OM 14	150-04XX-XXX-00	1	-	-	1/8	3/8	-	-	-	Series 12
O14R	150-07XX-XXX-01	1.1/2	1.9/16	1.1/2	1/8	1/2	TG, RK, RM T-2	RTG, TER	PTG, TRP	TP
O14	150-07XX-XXX-00	1.1/2	-	-	1/8	1/2	-	-	-	Series 15
PKO	150-30XX-XXX-01	1	1.1/32	1.1/32	1/8	7/16	Integral Bottom	MR-01	MP	TMP, KBM, KBMG, KBG.

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