

DUMP VALVE

APPLICATIONS:

- Steam injection wells
- Oversized tubing pumps

BENEFITS:

- Access the downhole formation without unseating the pump
- Easy and reusable to drain the production tubing prior to any well intervention

FEATURES:

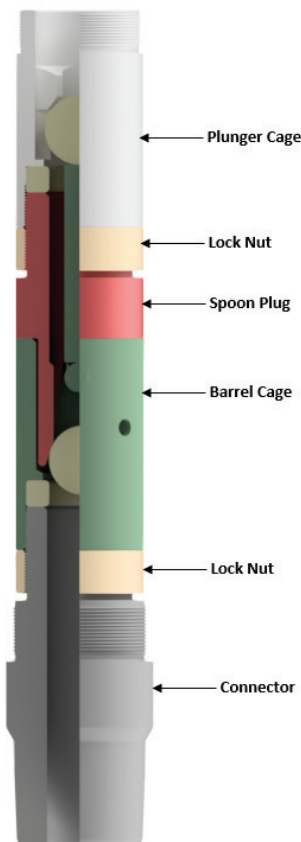
- Simple activation by tagging the traveling and standing valves
- Fits any insert or tubing pump design with a single traveling valve (TV) and a single standing valve (SV).

Enhanced from conventional dump valve models prevalent in the industry, the LUFKIN Dump Valve has undergone continuous development to reduce the chance of unscrewing valve connection in the event of any pump tagging. This valve serves as an alternative solution for tubing drainage during pump removal and maintenance. When integrated into a rod pump assembly, it allows for remote opening and closing from the surface. Additionally, it can be utilized in conjunction with various tubing drains or burst joints in the tubing string, offering an alternative method for draining the production tubing prior to pump extraction.

In thermal production, this tool serves as an alternative for producers engaged in Cyclic Steam Stimulation (CSS) applications. It offers the flexibility to introduce steam through the pump without re-clamping the polished rods like on a conventional insert pump. The valve can be operated from surface by lowering the plunger closer to the standing valve for steam flowing the well. Subsequently, it can be closed again to resume pumping operations.

This drainage accessory employs probes to dislodge the valve balls from the valve seats in both the Traveling Valve and the Standing Valve when the pump is positioned at the bottom of the stroke. By opening both valves, this facilitates the flow of fluid from the tubing through the pump, allowing it to drain into the tubing/casing annulus.

The LUFKIN Dump Valve is designed for use with single traveling valve and standing valve pump designs only.



DUMP VALVE PARTS LIST

Dump Valve Size	Spoon Plug	Barrel Cage	Connector	Lock Nut	Plunger Cage Box Thread (in)	Ball Diameter (in)		Connector Pin Thread (in)	
						Plunger Cage	Barrel Cage	Upper	Lower
2-3/4"	DV11*	DV12*	DV14*	DV15*	2.1095-11.5	1.5	1.5	2.8750-10	2.875 - 8RD EUE
3-1/4"	DV21*	DV22*	DV24*	DV25*	2.8000-11.5	2	2	3.3825-11.5	2.875 - 8RD EUE
3-3/4"	DV31*	DV32*	DV34*	DV35*	3.1715-11.5	2	2	3.8750-10	3.5 - 8RD EUE
4-1/4"	DV71*	DV72*	DV74*	DV75*	3.3825-11.5	2.5	2.5	4.3330-16	3.5 - 8RD EUE
4-3/4"	DV41*	DV42*	DV44*	DV45*	4.0000-10	3.25	3.25	4.8750-10	4.5 - 8RD EUE
5-1/2"	DV51*	DV52*	DV54*	DV55*	4.5000-8	3.75	3.75	5.6250-12	4.5 - 8RD EUE
5-3/4"	DV61*	DV62*	DV64*	DV65*	5.0000-11.5	4	4	5.8750-10	4.5 - 8RD EUE

* Select Material
0 - 8620
2 - 316 SS

