



Tubing Fluid Dump Valve

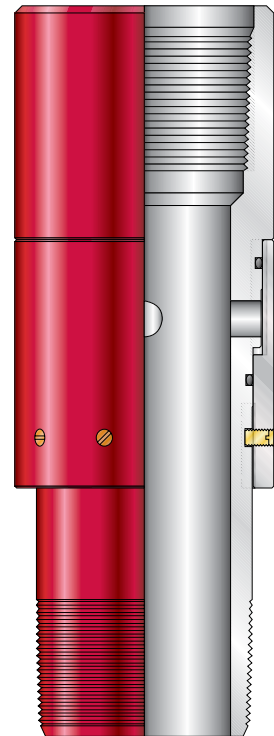
Weatherford's tubing fluid dump valve provides communication between the tubing and annulus to drain the annulus when the string is pulled out of the hole. The valve has an outside piston held in place with shear screws. Differential pressure in the annulus acts against the piston until the force shears the screws and pushes the piston down to expose the drain ports. After the valve opens, production fluid drains from the annulus.

Applications

- Rod-pump installations
- Retrievable and service completions

Features, Advantages and Benefits

- The shear pins enable the shear valve to be changed easily in the field to compensate for varying well conditions.
- The valve is activated by easy, conventional differential pressure, avoiding mechanical manipulation of the tubing string to open the valve.
- The sleeve completely uncovers drain ports in the body, eliminating fluid-cut valve damage.
- The valve drains fluid in the tubing to reduce hydrostatic pressure that can break the sucker-rod string, enabling safe retrieval of the standing valve and pump and avoiding costly repairs.





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Specifications

Tubing (in./mm)	Valve				
	Maximum OD (in./mm)	Minimum ID (in./mm)	Standard Thread Connection (in.)	Shear Screws	Product
2-3/8 60.3	3.063 77.80	1.938 49.23	2-3/8 EU ¹ 8 RD ²	10 at 600 psi (4,137 kPa) each	508-20-000
2-7/8 73.0	3.688 93.68	2.500 63.50	2-7/8 EU 8 RD		508-25-000
3-1/2 88.9	4.500 114.30	3.000 76.20	3-1/2 EU 8 RD		508-35-000

¹External upset

²Round