

E-Z Valve

Allows rapid fail-safe closure of test string

APPLICATIONS

- Well testing
- Coiled-tubing and wireline operations
- Well-kill operations

BENEFITS

- Comply with environmental regulations and reduce environmental risk
- Increase operational safety

FEATURES

- Tested and qualified to maximum pressure
- Pressure held from above or below
- Pump-through capability to kill well
- Optional chemical injection below or at valve level
- Fail-safe closed safety position
- Modular assembly with standard and two optional installations
- Capable of cutting coiled tubing with diameter of 1 1/4 in
- Capable of cutting wireline with diameter between 7/32 in and 15/32 in

The E-Z Valve* retrievable well control tool is a surface-operated hydraulic safety valve designed for installation in the BOP stack of a jackup or land rig during well testing. The pipe rams close around a slick joint above the valve, protecting the annulus, while the tool's ball closes to secure the well at BOP level.

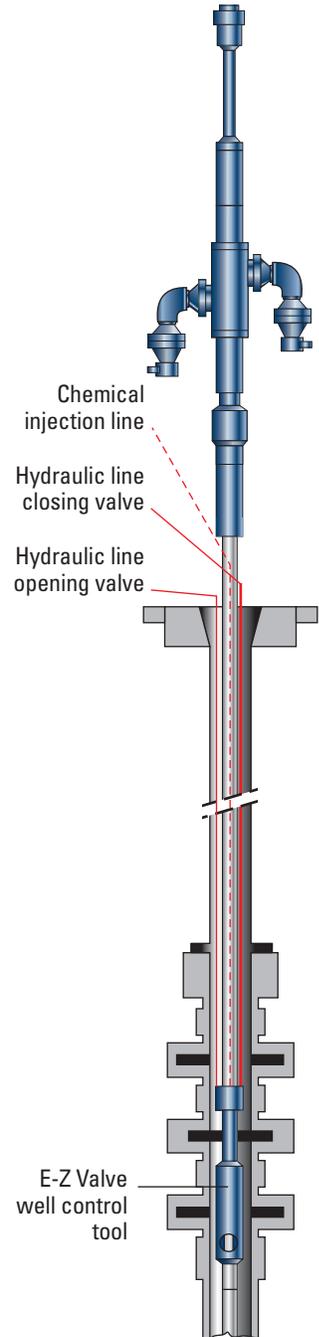
The tool's pump-through design allows killing the well while in the fail-safe closed position and while a differential pressure of 1,800 psi from above is across the ball valve.

The E-Z Valve tool is normally closed by a spring and nitrogen pressure and is opened by hydraulic pressure applied from a console on the surface. Chemicals can be injected below the ball valve. The valve is designed primarily to hold pressure up to 15,000 psi from below, but it can be pressure tested up to 7,500 psi from above. The valve can also be closed using hydraulic pressure, enabling the ball to cut wireline that is between 7/32-in and 15/32-in thick as well as coiled tubing that is 1 1/4-in-thick in an emergency.

Specifications

Model	EZV-EA
Max. OD, in [mm]	8 1/4 [210]
Tool ID, in [mm]	3 [76]
Pressure rating, psi [MPa]	15,000 [103]
Temperature rating, degF [degC]	-4 to 350 [-20 to 177]
Length, ft [m]	8.2 [2.5]
Weight, lbm [kg]	725 [329]
Service	ISO 15156, 2003 standard for H ₂ S resistance
Tensile strength min. yield, lbf [kN]	
At 0 psi	520,000 [2,312]
At 15,000 psi	255,000 [1,134]
Fail-safe position	Closed
Certifications	DNV-OS-E101 [†] , PSA [‡] , API 6A, 19th Edition, PSL 3

[†] Det Norske Veritas
[‡] Petroleum Safety Authority



BOP stack configured with an E-Z Valve well control tool.