Surface Safety Valve (SSV)

Description

Surface Safety Valve (SSV) is a pneumatic or hydraulically actuated fail-safe close gate valve used for well testing or production of oil and gas wells with high flow rates, high pressures, or the presence of H2S. The SSV is used to shut off flow from the well in the event of overpressure, failure, a leak in downstream equipment, or any other well emergency requiring an inmediate shut down.

An Emergency Shut Down Device (ESD) or manual shut down button is used to remotely operate the SSV, which can be triggered automatically by high or low pressure pilot actuators, high or low pressure pilot actuators, high or low liquid level, erosion, or manually. If an emergency occurs, this feature reduces the possibility of personnel injuries. Our Surface Safety Valves are available in diferent sizes and working pressures and designed in compliance with API and NACE code.

Applications

- Well Testing
- Well Clean-ups
- DST (Drill Steam Testing)

Features

- Available 5,000 psi, 10,00 psi, and 15,000 psi
- Hydraulic or pneumatic actuator
- Flanged or hammer union connection
- Supporting frame and lifting eyes for ease transportation

Operating Specification

SIZE	**2-1/16 in.**	**2-9/16 in.**	**3-1/8 in.**	**3-1/16 in.**	**3-1/16 in.**	**3-1/16 in.**	**4-1/16 in.**	**4-1/16 in.**
WORKING PRESSURE	5,000 psi	10,000 psi	15,000 psi	10,000 psi	15,000 psi	20,000 psi	10,000 psi	15,000 psi
VALVE	Gate	Gate	Gate	Gate	Gate	Gate	Gate	Gate
ACTUATOR	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Hydraulic	Hydraulic	Pneumatic
SERVICE	Sour	Sour	Sour	Sour	Sour	Sour	Sour	Sour