



Description

The surface safety valve (SSV) is a hydraulically actuated fail-safe gate valve that is used to quickly shut in the well or the flow line in the event of overpressure, failure, leak in the equipment, or any other emergency requiring an immediate shut-in.

The SSV is remotely operated by an Emergency Shut Down device (ESD), which can be triggered manually, or by multi pull button stations, or automatically by pressure pilot switches,

The SSV uses a proven metal-to-metal, double-sealing design gate valve for harsh environment operations and complies with all applicable environmental requirements,

All SSV models have interchangeable crossover connections and are protected by a compact lifting frame.

Eunisell offers two types of SSV's:

3 1/8" 5K Model Bonnet.

3 1/16" 10K Model Safoo.

Features and Benefits

- ✓ Additional surface barrier.
- ✓ Provide an immediate flow line closure in case of equipment failure,
- ✓ Prevent overpressure conditions, using Hi Lo pilot system (additional item)
- ✓ Reliable shut-in during harsh environment operations.
- ✓ Comply with environmental regulations and reduce environmental risk.
- ✓ Reduce personnel exposure in emergencies.

Specification

	3 1/8" 5K Model	3 1/16" 10K Model
Code of construction	API 6A	API 6A
Service	H2S as per NACE MR01-75	H2S as per NACE MR01-75
Fluid class	DD	DD
Working pressure	5k psi	10k psi
Working temperature	-20°F to +250°F	-20°F to +250°F
Nominal ID	3 1/8"	3 1/16"
Valve action	Fail-close	Fail-close
Hyd. operating pressure	Up to 3,000 psi	Up to 3,000 psi
Closure time'-1	< 15 Second (1/2" Hose)	<15 Second (1/2" Hose)
Connections'2'		
• Inlet	3" wing union fig. 1002 female	3" wing union fig. 1502 female
• Outlet	3" wing union fig. 1002 male	3" wing union fig. 1502 male