

## Surface Safety Valve

The surface safety valve is used to provide fast response valve closure for isolating the well in the event of an emergency

Expro surface safety valves are hydraulically actuated failsafe gate valves designed to close upon loss of control line pressure. The valve is used to quickly shut in the well in the event of a leak to, overpressure or failure of any of the downstream welltest equipment.

The valve is used in conjunction with an emergency shut down system (ESD) and normally installed upstream of the choke manifold. The valve is remotely operated either manually by push button or automatically triggered by high/low pressure pilots.

When a remote station is activated the emergency shut down panel acts as a receiver for the air signal. The unit translates this signal into a hydraulic response which bleeds the control line pressure off of the actuator and closes the fail closed valve.

### Applications:

Onshore and offshore oil and gas well testing and clean up Operations  
HPHT

### Features & Benefits:

Can be used as a stand alone ESD system  
Provides immediate well isolation in event of downstream equipment failure  
Can prevent overpressure to downstream equipment



### Technical Specifications:

Nominal Diameter Inches	Working Pressure psi (bar)	Temperature Rating °F (°C)	Weight lbs (kgs)	Dimensions h x l x w Ft (m)	Design Code and Service
4 1/16"	5000 (345)	-20 – 250 (-29 - 121)	1200 (545)	3.6 x 2.1 x 1.2 (1.1 x 0.6 x 0.4)	API 6A, NACE MR-01-75
5 1/8"	5000 (345)	-20 – 250 (-29 - 121)	1200 (545)	3.6 x 2.1 x 1.2 (1.1 x 0.6 x 0.4)	API 6A, NACE MR-01-75
3 1/16"	10,000 (690)	-20 – 250 (-29 - 121)	900 (408)	3.9 x 1.6 x 1.1 (1.2 x 0.5 x 0.3)	API 6A, NACE MR-01-75
3 1/16"	15,000 (1034)	-20 – 250 (-29 - 121)	1000 (454)	3.9 x 1.6 x 1.1 (1.2 x 0.5 x 0.3)	API 6A, NACE MR-01-75
3 1/16"	15,000 (1034)	-50 – 400 (-45 - 204)	1200 (545)	5.1 x 4.3 x 2 (1.6 x 1.3 x 0.6)	API 6A, NACE MR-01-75

NOTE: The above referred design codes are for guideline purposes only. Other sizes, configurations, and pressure ratings are available to meet most applications. For specific information and any additional codes applicable to comply with region specific standards please consult your local Expro representative.