

Well Flow Management

Well Testing | Well control

Surface Safety Valve

The Surface Safety Valve or SSV, 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, overpressure or failure of any of the downstream well test equipment.

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

The surface safety valve is normally equipped with hammer unions, but can be fitted with hub connections or API 6A flanges.

Applications

- Onshore and offshore oil and gas well testing and clean-up operations
- Surface pressure barrier in addition to the primary or master valve on a Surface test tree

Features and benefits

- Can be used as part of a standalone ESD system
- Provides immediate well isolation in event of downstream equipment failure
- Prevent overpressure to downstream equipment
- Failsafe remote activation
- Reduces the exposure to personnel in the event of an emergency





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Technical specifications					
Nominal ID inches	4 - 1/16	5 - 1/8	3 - 1/16	3 - 1/16	3 - 1/16
Working pressure psi (bar)	5,000 (345)	5,000 (345)	10,000 (690)	15,000 (1,034)	15,000 (1,034)
Temperature rating °F (°C)	-20 to 250 (-29 to 121)	-20 to 250 (-29 to 121)	-20 to 250 (-29 to 121)	-20 to 250 (-29 to 121)	-50 to 400 (-45 to 204)
Weight lbs (kgs)	1,200 (545)	1,200 (545)	900 (408)	1,000 (454)	1,200 (545)
Dimensions (L x W x H) ft. (m)	2.1 x 1.2 x 3.6 (0.6 x 0.4 x 1.1)	2.1 x 1.2 x 3.6 (0.6 x 0.4 x 1.1)	1.6 x 1.1 x 3.9 (0.5 x 0.3 x 1.2)	1.6 x 1.1 x 3.9 (0.5 x 0.3 x 1.2)	4.3 x 2 x 5.1 (1.3 x 0.6 x 1.6)

Note: Designed and manufactured to API 6A and NACE MR-01-75 (H2S)

Other sizes, configurations and pressure ratings are available to meet most applications, for more information contact your local Expro representative or email welltesting@expro.com