

Annular Safety Valve (Gas Storage)



METAL TO METAL SEALING

HIGH VOLUME OPERATIONS

BI-DIRECTIONAL SEALING

Description

The gas storage Annular Safety Valve (ASV) is designed for conventional gas and hydrogen storage wells as well as traditional gas lift and gas producer wells. The ASV was developed from the patented DTI Slim Pump Safety Valve and offers a range of valuable features and benefits.

The ASV facilitates bi-directional sealing and unloading at full working pressure allowing for both injection and production.

A large flow area also supports high volume operations.

The ASV incorporates a control line pass-thru and is deployed into a nipple profile of a Tubing Retrievable Surface Controlled Sub Surface Safety Valve (TRSCSSSV). This enables hydraulic communication to facilitate surface control of the ASV and the TRSCSSSV separately. It is surface testable and allows quick reinstatement in the event of failure.

Features & Benefits

- Bi-directional sealing at full working pressure. Well pressure or surface test pressure boosts valve shut
- A large annular flow area facilitates fast, high-volume injection and production operations.
- Metal to metal valve seat and poppet design for reliability
- Hybrid high-performance elastomer and non-elastomeric packing seals for reliability.
- Control line bypass to allow one nipple to operate both the ASV and a TRSCSSSV
- Valve does not need to be equalised to be functioned open
- Once deployed, the Gas Storage Annular Safety Valve is failsafe shut, and is unaffected by well pressure or tubing pressure.
- Large annular flow area for high gas and fluid flow rates.

Part Number	Running OD	Flow Area	Yield	Temp. Rating
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Annular Safety Valves are 5000 psi API 14A V3 rated

SP-ASV625AC4021K	6.240"	5.0 in ²	200,000 lbs	90 C
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We offer optional equipment, alternative sizes, pressure ratings, materials and thread connections. **Please contact us for more information.**

