

### Applications:

- To “Regain” operational control of a non-functioning TRSV that has lost hydraulic control

### Benefits:

- Allows restored production to previously abandoned wells
- Can be utilized with any manufacturer’s TRSV
- Simple and robust design
- Utilizes the existing ESD system

### Features:

- Wireline deployable with standard installation procedures
- Designed in accordance with API-14A
- Higher flow area than equivalent WRSV

### Description:

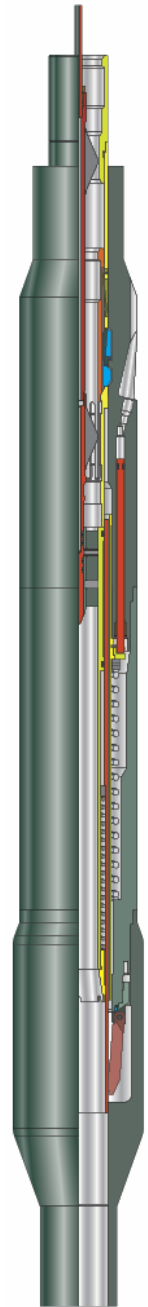
The Tejas SV-Regain™\* is a wireline deployed, completion accessory tool designed for non-functioning tubing retrievable safety valves (TRSV’s). It will allow an operator to “regain” operational control of a non-functioning TRSV and resume production operations.

Candidate TR-SV’s for the SV-Regain™ system will need to meet the following criteria:

- Lost hydraulic communication from the surface
- The flapper is viable and not locked open
- The flow tube and flapper are in the closed position
- The flow tube can be exercised into the open and closed position
- The valve components are free from scale, paraffin, and any other deposits that may foul operation

All of the criteria must be met for the SV-Regain™ to successfully “regain” the operational control of the candidate TRSV. The SV-Regain™ can be deployed into any manufacturer’s TRSV provided the basic space-out dimensions and nipple profile data can be obtained.

The SV-Regain™ re-establishes control of the candidate TRSV by taking advantage of the existing nipple profile and viable flapper. After landing and setting the SV-Regain™ into the nipple profile, a capillary string control line is run from the surface to an internal receptacle within the SV-Regain™. Once communication is established, additional applied pressure will stroke the SV-Regain™ flow tube and compress the SV-Regain™ power spring. As the flow tube is extended, the TRSV flapper is pushed open. When the applied hydraulic pressure is removed, the SV-Regain™ power spring and flow tube return to their original positions allowing the TRSV flapper to close. The SV-Regain™ in effect becomes the TRSV flapper actuator in lieu of the non-operational TRSV flow tube and power spring. Operational control of the TRSV is thus “regained” allowing for fail-safe operation of the TRSV once again.



SV Regain™  
Open Position



Q1-0099

# SV Regain™

Wireline Retrievable Completion Accessories



## Engineering Data:

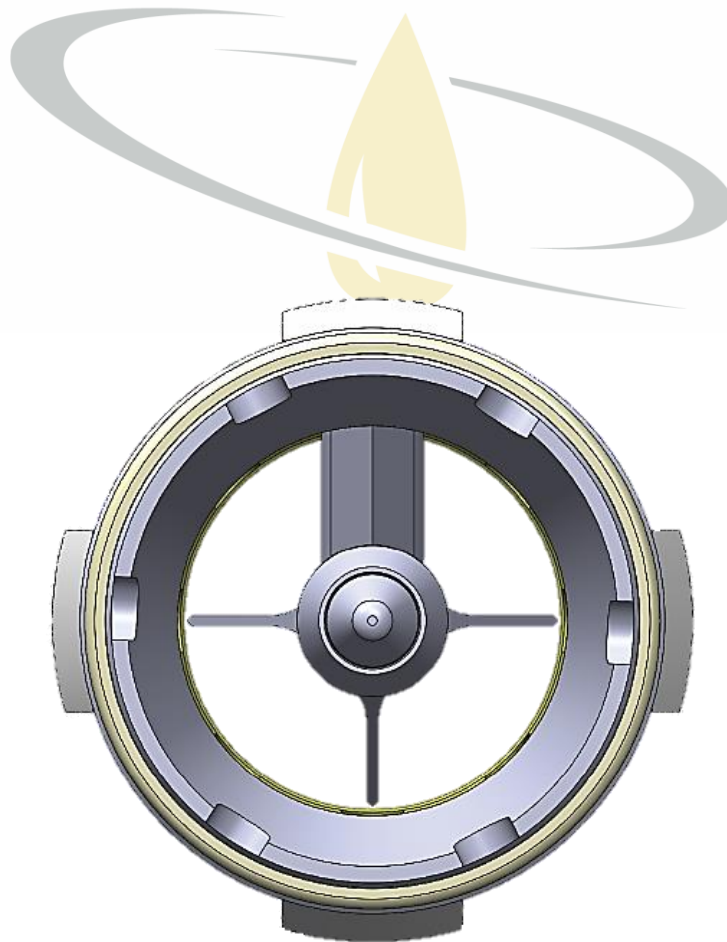
<b>Tubing Size</b> in [mm]	2.375 [60.3]	2.875 [73]	3.500 [88.9]	4.500 [114.3]
<b>Max OD</b> in [mm]	1.870 [47.5]	2.307 [58.6]	2.807 [71.3]	3.734 [94.8]
<b>Max Flow Area</b> In <sup>2</sup> [mm <sup>2</sup> ]	0.557 [372]	1.412 [910]	2.721 [1,755]	5.036 [3,250]
<b>Working Pressure</b> psi [kPa]	10,000 [68,948]	10,000 [68,948]	10,000 [68,948]	10,000 [68,948]

™ The Tejas logo is a trademark of Tejas Research a& Engineering LLC

† The engineering data provided illustrate the scope of this product offering and are not all inclusive. Additional sizes and pressure ratings are available upon request.

\* Patents Pending

Direct request for quotations to: [product.sales@tejasre.com](mailto:product.sales@tejasre.com)



The SV Regain™ has 42% more flow area than a traditional wireline insert valve