

APPLICATION FOR API 14A VALIDATION TEST

CONTACT INFORMATION	Application Date: _____
Manufacturer: _____	Revision No.: _____
Representative: _____	Test Agency: Southwest Research Institute®
Address: _____	Address: 6220 Culebra Road
_____	San Antonio, TX 78238
Contact(s): _____	(210) 522-5480
P.O. # or W.O. #: _____	

VALVE INFORMATION

Model: _____		Serial Number: _____	
Nominal Tubing Size: _____		Rated Working Pressure: _____ psi	
Valve Type: Select an Option for Valve Type 1 and Select an Option for Valve Type 2			
Test Section Length (including end connections): _____ inches			
Retest: Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, previous SwRI Test Number: _____			
Minimum specified ID: _____ inches			
Maximum specified OD: _____ inches			
Drift Bar – Unique ID: _____	OD: _____ inches	Length: _____ inches	
Drift Sleeve – Unique ID: _____	ID: _____ inches	Length: _____ inches	
<u>For SCSSV Only:</u>			
Maximum hydraulic control line pressure: _____ psi		Select an Option for Pressure Detail	
Manufacturer's maximum recommended unequalized opening pressure (from operating manual): _____ psi			
Self-Equalizing:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Tubing pressure insensitive:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Balance Line Valve:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Dual Control Line Valve:	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
<u>For SSCSV Only:</u>			
Velocity Type:	Water Closing Rate: _____ B/D	Gas Closing Rate: _____ MMscfd	
Tubing Pressure:	Closing Pressure: _____ psig		
<u>For SSISV Only:</u>			
Velocity Type:	Min Water Injection Rate: _____ B/D	Gas Injection Rate: _____ MMscfd	
	Max Water Injection Rate: _____ B/D	Opening Differential Pressure: _____ psi	
	Estimated Differential Pressure at Max Water Injection Rate: _____ psi		
Tubing Pressure:	Operating Pressure: _____ psig	Max Water Injection Rate: _____ B/D	

Statement Regarding Pressure Integrity of Test Article:

The manufacturer certifies that all of the test items supplied for this testing are rated for the test pressures and have been hydrostatically tested according to the requirements of API 14A; this is 150% of working pressure for items that have a working pressure less than or equal to 10,000 psig and 5,000 psig above working pressure for test items that have a working pressure greater than 10,000 psig.

The test article and all associated hardware supplied to SwRI complies with this statement:
If the test article does not comply with the above statement, the manufacturer must attach to this application an engineering justification for the pressure integrity of the test article.

REQUIRED FUNCTIONAL TEST PRIOR TO VALIDATION TEST:

A functional test shall be performed and passed prior to submittal of the safety valve for validation testing. The safety valve submitted for validation complies with this statement.
By checking this box, the manufacturer confirms that the functional test has been completed.

SwRI request that the valve manufacturer provides a summary of the functional test data and/or the valve operation manual prior to the start of testing.

HYDRAULIC REPEATABILITY REQUESTS FOR SCSSVs:

For SCSSVs, SwRI will adjust the metering of the control line fluid to provide a readable hydraulic control line pressure trace. A conscious effort will be made to comply with special requests that specify hydraulic control line opening and closing rates on the test application when SwRI considers the requested rates to provide an adequate control line pressure trace. This metering process will consist of adjusting the open and/or close rate throughout testing; it is possible that not all hydraulic cycle rates meet the special request.

ISO 17025 DECISION RULE FOR PASS-FAIL CRITERIA:

The measurement uncertainty is reported in the test report for informational purposes only. Determination of pass-fail status will be completed using measured values of failure criteria in comparison to limits specified in the test procedure. The measurement uncertainty is not added to or subtracted from measurements of failure criteria in assessing pass-fail status. By submitting this application, the manufacturer accepts this decision rule.

PROCEDURE REQUIRED FOR VALIDATION TEST:

ISO 10432 / API Specification 14A: 13th Edition V2-R V3-R

If testing to V2-R, when should the V3-R drift be performed?

In the event of a V2-R failure:

Are non-specified equipment or procedures required for testing? Yes No

(If yes, specify requirements in the section below.)

Non-specified equipment or procedures: