










Introducing the JSRULP Series

Our “LP” series of gas regulators (JSRLFLP, JSRLP, JSBLFLP, JSBLP) are one of Steriflow’s fastest growing product lines. They are the industry’s 1st compact regulators designed specifically for precise pressure regulation at set points between 0.5 and 5 Psi (.034 - 0.34 bar), for stainless and disposable Point of Use applications. These valves are successfully used for gas overlay pressure control on incubators, stainless process vessels, and single use bags. However, we needed a simple regulator to be able to apply at even lower inches wc/mil-libar applications.

Introducing the JSRULP, the first in a new series of Ultra Low Pressure gas blanketing regulators designed to handle pressures down into single digit inches water column and millibar pressure ranges. This valve and the two additional products that will follow this year will fortify our position as the industry leader in Pharma Gas pressure regulation.



[Click here to view the data sheet for the JSRULP](#)

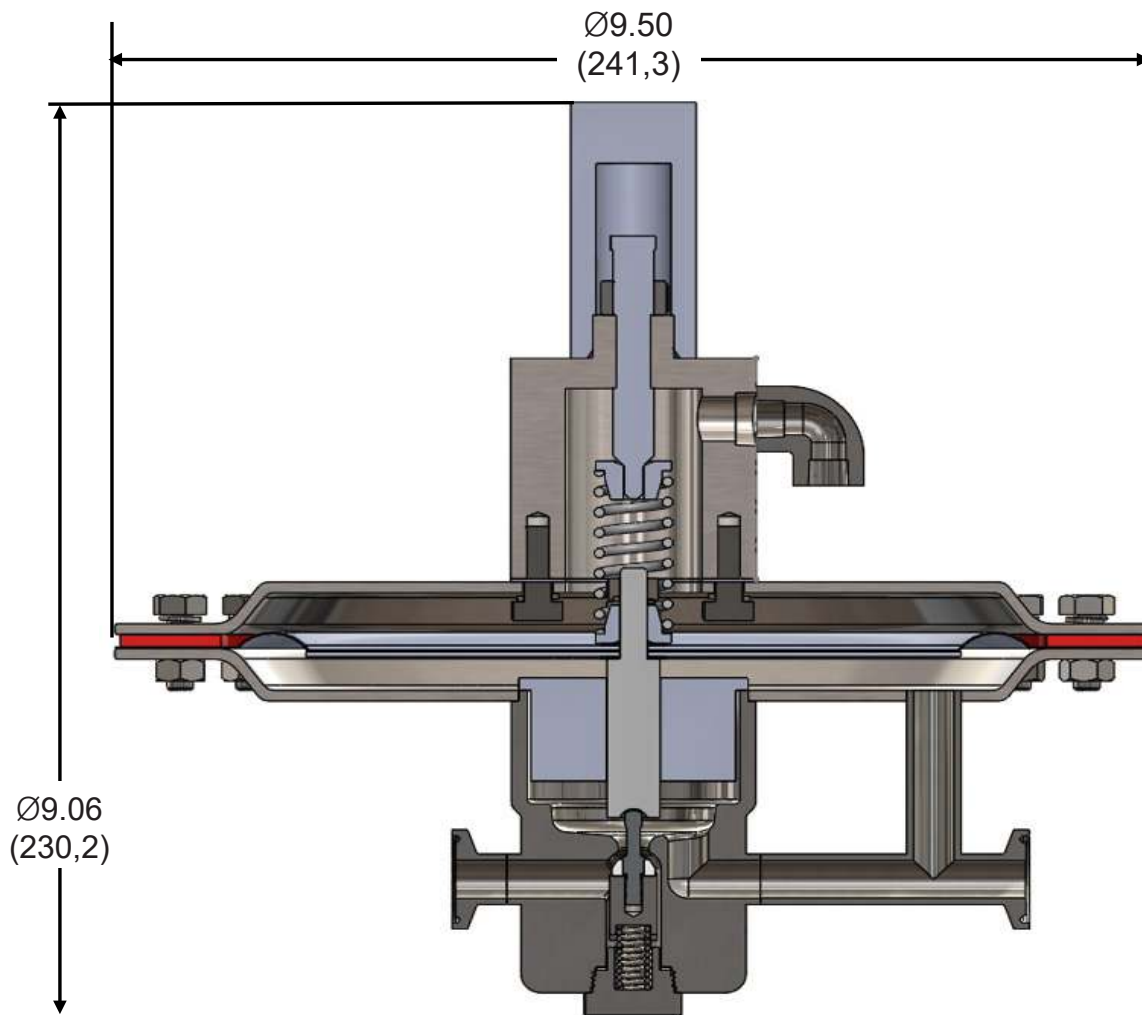
Product Range	STERIFLOW LOW PRESSURE CLEAN GAS REGULATING VALVES FOR STAINLESS OR SINGLE-USE VESSELS								
	Pressure Reducing Valves (PRV)						BPRV		
	JSRFLP	JSRLP	JSRULP NEW	MK908X	MK908	MK968	JSBLP	JSBLFLP NEW	MK958
Photos									
Available Connections	Tri-clamp and Tube Weld Ends to ASME BPE, DIN or ISO, NPT; CF for Tube Fittings								
Connection Size	1/4" (DN8) 3/8" (DN10) 1/2" (DN15)	1/2" (DN15) 3/4" (DN20)	1/2" (DN15) 3/4" (DN20)	1/2" (DN15) 3/4" (DN20)	3/4" (DN20) 1" (DN25)	3/4" (DN20) 1" (DN25) 1-1/2" (DN40) 2" (DN50)	1/2" (DN15) 3/4" (DN20)	3/8" (DN10) 1/2" (DN15) 3/4" (DN20)	3/4" (DN20) 1" (DN25)*
Cv (Kv)	0.012 (0,010) 0.03 (0,026) 0.08 (0,069) 0.20 (0,173)	0.5 (0,43) 0.8 (0,69)	0.5 (0,43) 0.8 (0,69)	0.15 (0,13) 0.2 (0,17) 0.4 (0,35)	1 (0,865) 2 (1,73) 4 (3,46) 7.5 (6,49) 10 (8,65)	See flow rate capability in Data Sheet	0.5 (0,43) 0.8 (0,69)	0.05 (0,043) 0.15 (0,13) 0.25 (0,216) 0.35 (0,303)	See flow rate capability in Data Sheet

Features

- Simple, proven, rugged design
 - The seat and lower piston arrangement are identical to the proven JSRLP design
 - The body/lower diaphragm case and sensing tube are all welded
- Installation savings! Integral sensing tube. You don't have to run a tubed sensing line to a separate vessel connection.
- Very low Lock-up, and Droop
- Low set point coverage: 3-18" wc (0.11-0.65 psi, 7.47-44.79 mbar) spring range allows us to cover pressure set points well below the JSRLP.
- Five pages of test curves. You can see the valve's performance in your specific application, or one close to it. No other manufacturer publishes such detailed information.
- All wetted materials are certified, traceable 316L
- Elastomers and fluoroplastics are all FDA, USP Class VI
 - Dependable Jorlon™ Diaphragm
 - Soft seat material is EPDM.

Design

The JSRULP design is simplicity itself. Based on the proven, reliable JSRLP platform, this simple, compact blanketing valve has only a 9.5" (241,3 mm) diaphragm case and a similar overall height. That's a very small space envelop for a low pressure blanketing regulator. And it has an integral sensing tube, so there is no need to run a sensing tube from the bottom of the valve actuator to a separate connection on the vessel!



The JSRULP has very low set point capability, and impressive performance. Set points are between 3-18" wc [(0.11-0.65 psi), (7.47-44.79 mbar)]. Engineering also produced this compact valve with droop < 4 in wc (10 mbar), and maximum Lockup < .4 in wc (.1 mbar) across the valves complete operating flow range. Even though most pharma operating gas flow are very stable, this still gives Steriflow an edge of the competition, and a great selling point.

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