



All Metal Right Angled Leak Valves (LVM Series)

Leak valves are used for repeatable precise control the flow of gas into a vacuum system from an external source. This range of Leak valve is the preferred choice for system builders who need a cost effective fine and ultra-fine gas inlet control.



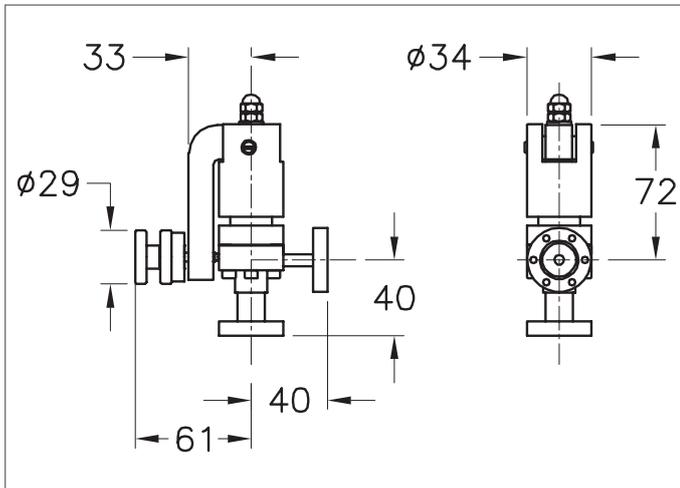
Product Overview

- Inlet pressure up to 10 bar to give high stability control
- Fine control mechanism with minimum backlash
- Adjustable graduated index ring
- Wide dynamic range
- Available with range of mounting flanges
- User serviceable
- 304L Stainless steel body and molly sealing pad
- Operating pressure range from 10^{-11} mbar
- Bakeable to 450°C
- Motorised options available

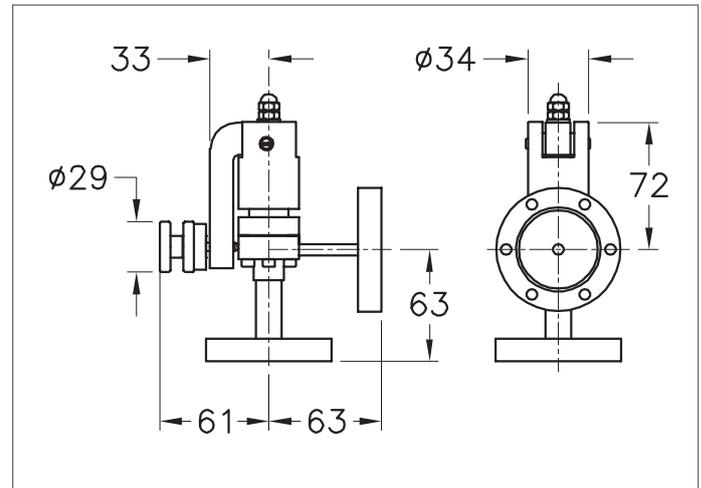
The LVM range offers excellent response and repeatability over a wide dynamic range. The design virtually eliminates hysteresis and has low internal volume to allow rapid clean up. The ultra fine control actuator fitted to the LVM valve enhances the performance to provide high sensitivity.



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ZLVM940 and ZLVM940R



ZLVM263 and ZLVM263R

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DN Type	Axial/Radial flange	Tube OD Inlet mm	Tube OD Outlet mm	Max Inlet Pressure	Max Operating Range	Min Operating Range	Open Conductance l.s ⁻¹	Leak Rate Closed mbar.l.s ⁻¹	Bakeout Temp Open	Bakeout Temp Closed	Order Code
DN19	Fixed 34	6.4	14	10 bar	100 mbar	1x10 ⁻¹¹ mbar	0.1	1x10 ⁻¹²	450°C*	250°C*	ZLVM940
DN19	Rotatable 34	6.4	14	10 bar	100 mbar	1x10 ⁻¹¹ mbar	0.1	1x10 ⁻¹²	450°C*	250°C*	ZLVM940R
DN34	Fixed 70	6.4	14	10 bar	100 mbar	1x10 ⁻¹¹ mbar	0.1	1x10 ⁻¹²	450°C*	250°C*	ZLVM263
DN34	Rotatable 70	6.4	14	10 bar	100 mbar	1x10 ⁻¹¹ mbar	0.1	1x10 ⁻¹²	450°C*	250°C*	ZLVM263R

*When both ports of the valve are under vacuum