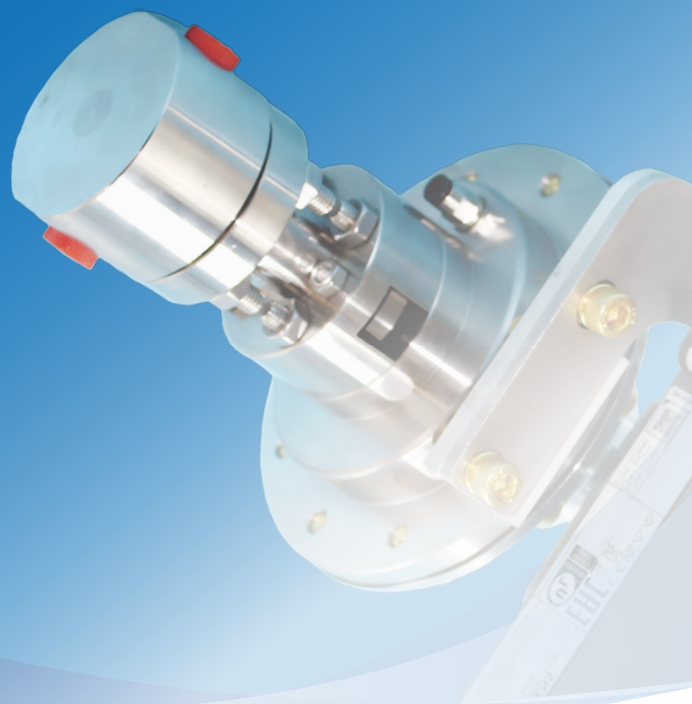




LK-600B-AC

Back Pressure Regulator



Type	LK-600B-AC
Function	Upstream /Downstream pressure control(H_2/O_2)
Medium	Hydrogen(H_2), Oxygen(O_2)
Material of valve	Stainless Steel 316/316L
Mounting standard	NPT (Standard), ANSI Class 150/300 Flange, DIN EN 1092-1 Flange, 3A Tri-clamp
Dimension of the valve	DN15-DN100, 1/4"-4"
Specials	Min CV 0.005 to Max CV 175.0

Advantages

- High precision for the back pressure control
- Ultra wide flow range, provide stable control
- Hydrogen production and reduce the cost
- Standard onsite air supply needed(0-4bar)
- 1200:1 Ultra-high flow rate adjustable ratio
- Customized CV value to meet customer needs

Applications

- Fuel cell stack test station- H_2 /Air back pressure control
- Fuel cell system test station- H_2 /Air back pressure control
- PEM hydrogen production testing platform- H_2/O_2 back pressure control
- SOEC hydrogen production testing platform- H_2/O_2 back pressure control
- ALK hydrogen production testing platform- H_2/O_2 back pressure control

Back Pressure Regulator

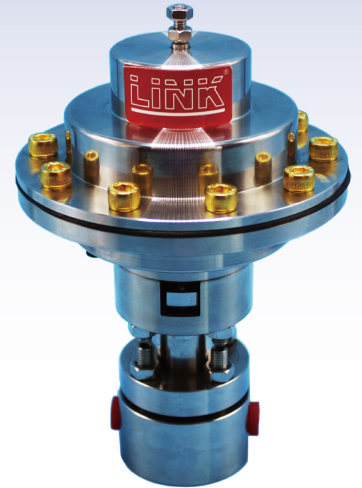
LK-600MIN Miniature Series Micro-flow Control Valve



Internal Thread Connections / Full Stainless Steel Construction / Spring Return Diaphragm Actuator

Technical Features

- ✓ Ultra-compact dimensions facilitate installation in laboratory and test bench environments.
- ✓ Stainless steel module provides unmatched corrosion resistance.
- ✓ Innovative top-mounted feedback design ensures feedback components remain isolated from the pipeline.
- ✓ Integral threaded connections with optional flanged, weld-in, compression fittings, and special configurations.
- ✓ Fully forged valve body withstands higher pressure ratings while eliminating casting defects.
- ✓ High-strength Grade 12.9 alloy bolts with titanium coating for enhanced corrosion resistance.
- ✓ Multiple remote control options (IP 4-20mA signal direct control / local explosion-proof position control / remote position control).
- ✓ Stricter leakage ratings CLASS V & VI compliance.
- ✓ Standard pressure rating CLASS 600 (equivalent to PN 10.0MPa).
- ✓ Standard materials: valve body and actuator constructed from 316 stainless steel.



Product Features

- ✓ Material: 316SS
- ✓ Pressure MAX: 10MPa
- ✓ Pipe Size: 1/4NPT; 3/8NPT; 1/2NPT
- ✓ Rating CV:
 - 1/4NPT: <0.0001-0.01> <0.01-0.2>
 - 3/8NPT: <0.1-1.0>
 - 1/2NPT: <0.5-2.5>



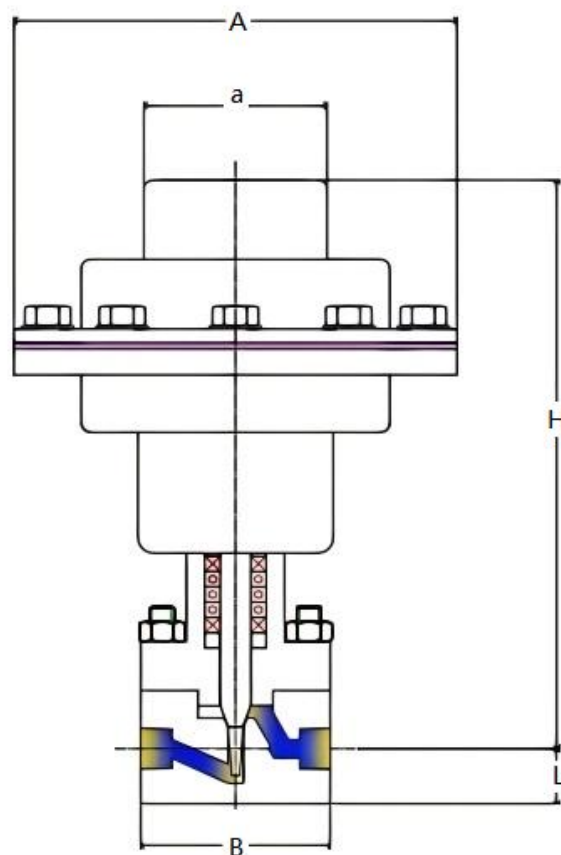
Micro-flow Control Valve

Get more information on

<https://www.linkflowcontrol.com>

Product Features

- ✓ Material: 316SS
- ✓ Pressure MAX: 10MPa
- ✓ Pipe Size: 1/4NPT; 3/8NPT; 1/2NPT
- ✓ Rating CV:
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 - 3/8NPT: <0.1-1.0>
 - 1/2NPT: <0.5-2.5>



Connection std // **LK-600MIN-NPT**

PORT SIZE	L	B	H	a	A
NPT1/4"	18	62	185	60	145
NPT3/8"	18	62	185	60	145
NPT1/2"	30	80	225	95	200

More than 50 Years of valve design and application experience