

Description

Volume Booster is one-to-one Signal to output supply Air, when used with a positioner/actuator, it is a control device to increase the stroking speed of control valves.

Features



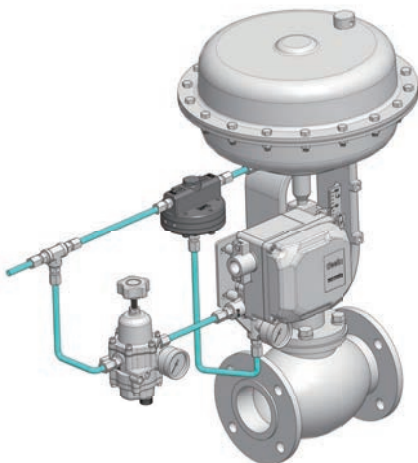
Alu. Alloy Body



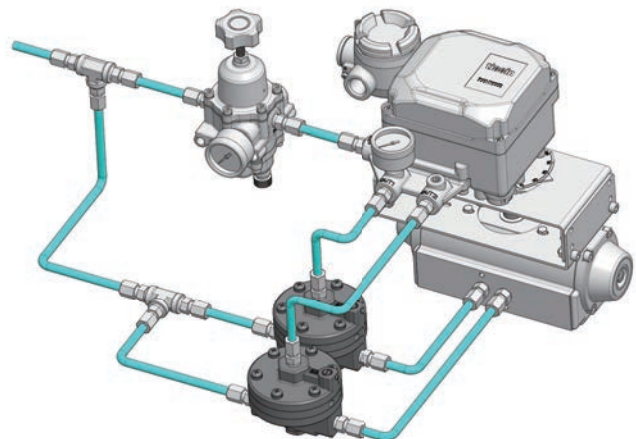
316SS Body

- + Precise and fast response
- + Soft seats provide tight shut off
- + Adjustable Sensitivity
- + Options available (High and Low temperature)
- + Speed up valve regulation

Installation examples



Single actuator

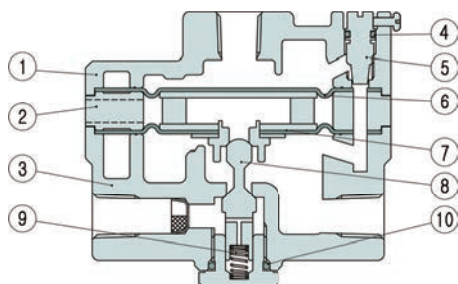


Double actuator

Specifications

Model		VBL / VBS-02	VBL / VBS-04	VBL / VBS-06	VBL / VBS-08
Material: Alu.Alloy					
Material: 316SS					
Max supply pressure		1MPa	1MPa	1MPa	1MPa
Signal and output pressure		0.14~0.7MPa	0.14~0.7MPa	0.14~0.7MPa	0.14~0.7MPa
Signal to output ratio		1:1	1:1	1:1	1:1
Linearity		1%	1%	1%	1%
Flow capacity (CV)	Exhaust	1.3	2.1	5.2	6.02
	Output	1.2	2.7	4.9	5.5
Signal port		NPT1/4, PT1/4	NPT1/4, PT1/4	NPT1/4, PT1/4	NPT1/4, PT1/4
Supply / Output port		NPT1/4, PT1/4	NPT1/2, PT1/2	NPT3/4, PT3/4	NPT1, PT1
Ambient temperature	Standard type	-20°C~70°C	-20°C~70°C	-20°C~70°C	-20°C~70°C
	High Temp.	-20°C~120°C	-20°C~120°C	-20°C~120°C	-20°C~120°C
	Low Temp.	-60°C~70°C	-60°C~70°C	-60°C~70°C	-60°C~70°C
Material		Aluminum die cast or 316SS	Aluminum die cast or 316SS	Aluminum die cast or 316SS	Aluminum die cast or 316SS

Materials of construction



No.	Title	Material	No.	Title	Material
1	Cover	ALDC12 or 316SS	6	Diaphragm upper	NBR
2	Ring exhaust	ALDC12 or 316SS	7	Ass'y diaphragm	AL/NBR
3	Body	ALDC12 or 316SS	8	Poppet	STS
4	O-ring	NBR	9	Spring seat	STS
5	Adjust screw	STS	10	O-ring	NBR

Product code

Model	VB - L - 02 - N - HT			
Material	L: Alu.Alloy S: 316SS			
Supply / Output port	02:1/4" 04:1/2" 06:3/4" 08:1"			
Air connection type	NPT PT		N P	
Ambient temperature	-20°C~70°C -20°C~120°C -40°C~70°C -60°C~70°C		Blank HT LT LLT	