



TS100



TS120



TS110

Volume Booster TS100 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.

J Flow Controls **TS100 Series** Volume Booster

FEATURES & BENEFITS

- Precise and fast response
- Soft seats provide tight shutoff
- Adjustable sensitivity
- Options available (high and low temperature)
- Small size and lightweight

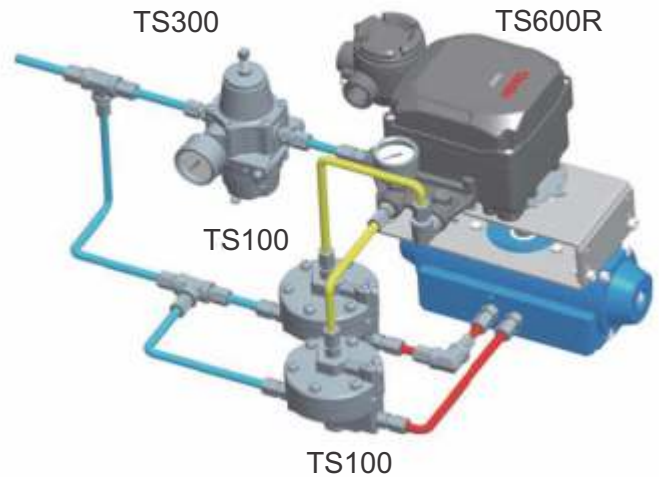
MODEL



INSTALLATION EXAMPLES



Single Actuator



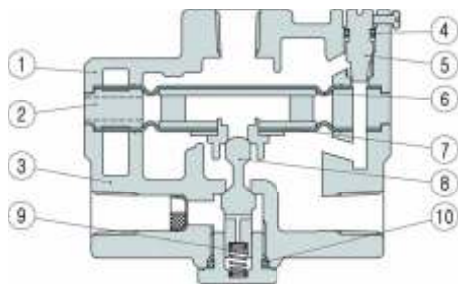
Double Actuator

TS100 Series Volume Booster

Specifications

Model		TS100	TS110	TS120
				
Max supply pressure		1MPa	1MPa	1MPa
Signal and output pressure		0.14~0.7MPa	0.14~0.7MPa	0.14~0.7MPa
Signal to output ratio		1:1	1:1	1:1
Linearity		1%	1%	1%
Flow capacity (CV)	Output	1.3	2.1	5.2
	Exhaust	1.2	2.7	4.9
Signal port		NPT1/4, PT1/4	NPT1/4, PT1/4	NPT1/4
Supply / Output port		NPT1/4, PT1/4	NPT1/2, PT1/2	NPT3/4
Ambient temperature	Standard type	-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
	Low Temp.	-40°C~70°C	-40°C~70°C	-40°C~70°C
Material		Aluminum die cast	Aluminum die cast	Aluminum die cast
Weight		0.55kg	0.75kg	1.9kg

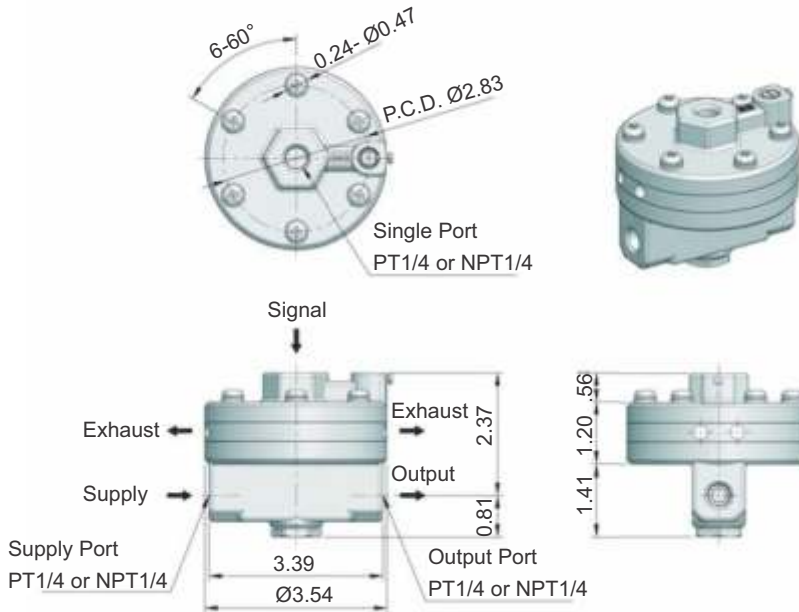
Materials of construction



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

Ts100 Series Volume Booster

DIMENSIONS



Product number

Model				
Supply / Output port	1/4"	TS100		
	1/2"	TS110		
	3/4"	TS120		
Air connection type	NPT		N	
	PT		P	
Ambient temperature	-20°C~70°C			S
	-20°C~120°C			H
	-40°C~70°C			L
	-60°C~70°C			U



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