

Volume Booster YT-300 / YT-310 / YT-305 / YT-315 / YT-320

Ordering Symbols: YT-300 / YT-310 / YT-305 / YT-315 / YT-320 ■ ■

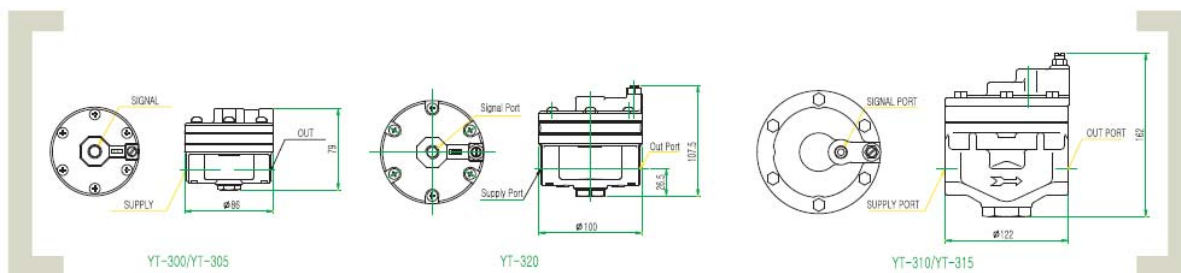
Model	Connection Type	Ambient Temp
YT-300	P PT	1 -20~70 °C
YT-310	N NPT	2 -20~120 °C
YT-305		3 -40~70 °C
YT-315		
YT-320		

*NPT Connection type is only available for YT-310, YT-305, YT-315, YT-320 model.



Specifications

Item.Type	YT-300 YT-305	YT-320	YT-310 YT-315
Max. Supply Pressure	7kgf/cm ² (100psi)		
Max. Output Pressure	7kgf/cm ² (100psi)		
In / Output Pressure Ratio	1:1		
Flow Capacity(Cv)	1.02	2.26	4.98
In / Output Connection	PT(NPT)1/4	PT(NPT)1/2	NPT 3/4
Signal Connection	PT(NPT)1/4		
Linearity	±1%(F.S.)		
Ambient Temp	-20~70 °C (-4~158°F)		
Material	YT-300, YT-310, YT-320	Aluminum Diecasting	
	YT-305, YT-315	Stainless Steel 316	
Weight	0.5kg	0.76kg	2.3kg
	1.3kg		5kg



Volume booster, YT-300, YT-310, and YT-320 series, boost the valve reaction speed by providing large air flow rate to actuator.

- It improves speed and accuracy of air pressure supplied at the rate of 1:1.
- It improves the stability with control of By=Pass.
- It is an acute reflection of the change of signal pressure.
- It has a fixed dead-band, because the booster is controlled by the seat-to-seat dimension of the supply and exhaust plugs.