

# Volume Booster

YT-300 / YT-305 / YT-310 / YT-315 / YT-320 / YT-325

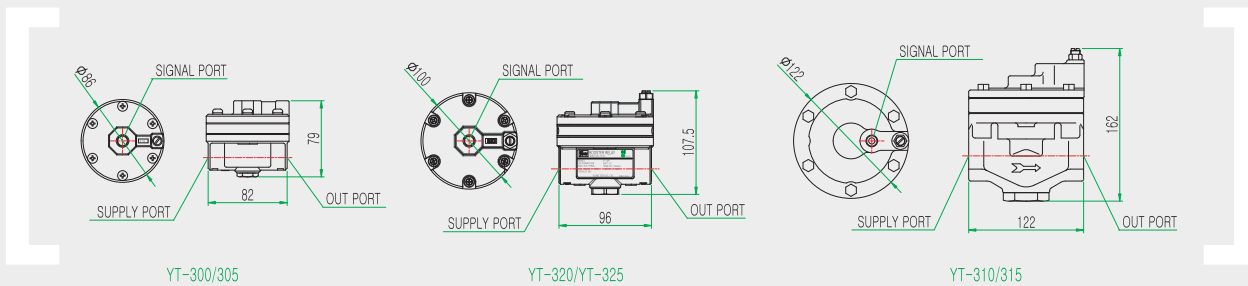
Product Number: YT-300 / YT-305 / YT-310 / YT-315 / YT-320/YT-325     (specify your requirement)

Model	Connection Type	Ambient Temp
YT-300, YT-305	<span style="border: 1px solid black; padding: 0 2px;">P</span> PT	<span style="border: 1px solid black; padding: 0 2px;">1</span> -20~70°C
YT-310, YT-315	<span style="border: 1px solid black; padding: 0 2px;">N</span> NPT	<span style="border: 1px solid black; padding: 0 2px;">2</span> -20~120°C
YT-320, YT-325		<span style="border: 1px solid black; padding: 0 2px;">3</span> -40~70°C

\* YT-305, 310, 315, YT-325 is available for NPT connection type ONLY.



Item · Type	YT-300 YT-305	YT-320 YT-325	YT-310 YT-315			
Max. Supply Pressure	10kgf/cm <sup>2</sup> (142psi)					
Max.Signal / Output Pressure	7kgf/cm <sup>2</sup> (100psi)					
In / Output Pressure Ratio	1 : 1					
Flow Capacity (Cv)	output	1.02	2.32	4.98		
	exhaust	0.86	1.78	3.85		
In / Output Connection	PT(NPT)1/4	NPT 1/2	NPT 3/4			
Signal Connection	PT (NPT) 1/4					
Linearity	±1% F.S.					
Ambient Temp.	-20°C ~ 70°C (-4 ~ 158°F)					
Material	YT-300, YT-320, YT-310			Aluminum Diecasting		
	YT-305, YT-325, YT-315			Stainless Steel 316		
Weight	YT-300	YT-320	YT-310	0.5kg(1.1lb)	0.76kg(1.7lb)	2.3kg(5.1lb)
	YT-305	YT-325	YT-315	1.3kg(2.9lb)	1.9kg(4.2lb)	5Kg(11lb)



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

- Improves speed of valve movement
- Improves stability with by-pass control
- Reacts to sudden change in supply pressure
- Fixed deadband due to the seat-to-seat type of supply and exhaust pressure