

# Volume Booster

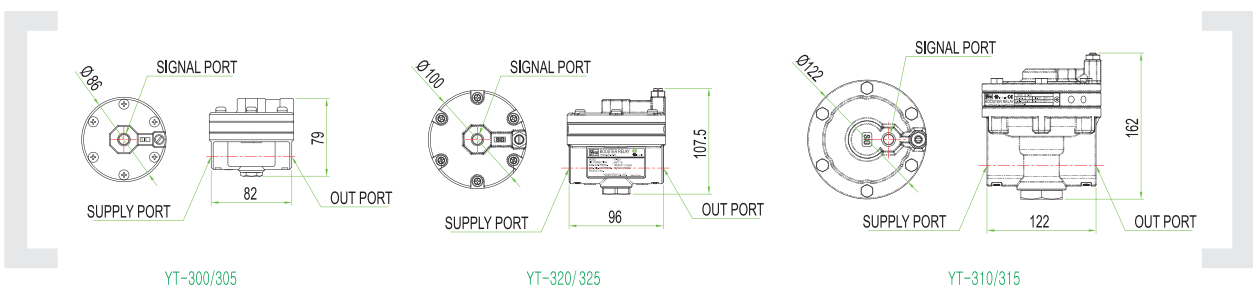
YT-300 / YT-305 / YT-310 / YT-315 / YT-320 / YT-325

Model	Connection Type *1	Operating Temp
YT-300, YT-305	<b>P</b> PT	<b>1</b> -20~70°C
YT-310, YT-315	<b>N</b> NPT	<b>2</b> -20~120°C
YT-320, YT-325		<b>3</b> -40~70°C

\*1 YT-305, 310, 315, 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	1MPa (10bar)					
Max.Signal/Output Pressure	0.7MPa (7bar)					
Signal/Output Pressure Ratio	1 : 1					
Flow Capacity (Cv)	exhaust	1.32	2.08	5.24		
	output	1.19	2.72	4.91		
Supply/Output Connection	PT(NPT)1/4	PT(NPT)1/2	NPT 3/4			
Signal Connection	PT (NPT) 1/4		NPT 1/4			
Linearity	±1% F.S.					
Operating Temp	-20°C ~ 70°C (-4 ~ 158°F) (Standard type)					
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