

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

Design features

- **Large flow capacity.** Specifically designed to be used in conjunction with valve positioners.
- **Optimal sensitivity.** Reacts to sudden change in supply pressure.
- **Fixed deadband.** Provides accurate and stable final positioning of the valve.
- **Internal bypass control.** Improves system stability.



YT-300

YT-325

YT-315



Item Type		YT-300 YT-305	YT-320 YT-325	YT-310 YT-315
Max. Supply Pressure		1 MPa = 10 bar = 145 psi		
Max. Signal / Output Pressure		0.7 MPa = 7 bar = 102 psi		
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		Rc ¼, ¼ NPT	Rc ½, ½ NPT	¾ NPT
Signal Connection		Rc ¼, ¼ NPT		¼ NPT
Linearity		±1% F.S.		
Operating Temp.		-20 to +70 °C (-4 to +158 °F) (Standard type)		
Material	YT-300, YT-320, YT-310	Aluminium Diecasting		
	YT-305, YT-325, YT-315	Stainless Steel 316		
Weight	YT-300 YT-320 YT-310	0.5 kg (1.1 lb)	0.76 kg (1.7 lb)	2.3 kg (5.1 lb)
	YT-305 YT-325 YT-315	1.3 kg (2.9 lb)	1.9 kg (4.2 lb)	5 kg (11 lb)

Product Code

YT-300 - N - 1

Model

YT-300 = Aluminium ¼"
 YT-305 = Stainless Steel ¼"
 YT-320 = Aluminium ½"
 YT-325 = Stainless Steel ½"
 YT-310 = Aluminium ¾"
 YT-315 = Stainless Steel ¾"

Connection Type

(YT-305/325/310/315 are only available in NPT connection)
 P = Rc
 N = NPT

Operating Temp.

1 = -20 to +70 °C (-4 to +158 °F) (N/A for EAC)
 2 = -20 to +120 °C (-4 to +248 °F) (N/A for EAC)
 3 = -40 to +70 °C (-40 to +158 °F)
 4 = -60 to +70 °C (-76 to +158 °F) (EAC only)

Dimensions: mm (Inches ")

