

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.



| 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 1/4, 1/4 NPT | Rc 1/2, 1/2 NPT | 3/4 NPT |
| Signal Connection | | Rc 1/4, 1/4 NPT | | 1/4 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 1/4"
 YT-305 = Stainless Steel 1/4"
 YT-320 = Aluminium 1/2"
 YT-325 = Stainless Steel 1/2"
 YT-310 = Aluminium 3/4"
 YT-315 = Stainless Steel 3/4"

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 *)

