

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 by-pass control.** Improves system stability.



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| Item Type | | YT-300 YT-305 | YT-320 YT-325 | YT-310 YT-315 |
|-------------------------------|----------------------------|--|---------------------|--------------------|
| Max. Supply Pressure | | 1 MPa (10 bar) | | |
| Max. Signal / Output Pressure | | 0.7 MPa (7 bar) | | |
| 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 | | NPT1/4 |
| 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 = Aluminum 1/4"
 YT-305 = Stainless Steel 1/4"
 YT-320 = Aluminum 1/2"
 YT-325 = Stainless Steel 1/2"
 YT-310 = Aluminum 3/4"
 YT-315 = Stainless Steel 3/4"

Connection Type

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

Operating Temp.

1 = -20 to 70 °C
 2 = -20 to 120 °C
 3 = -40 to 70 °C

Dimensions: mm (Inches ")

