

VOLUME BOOSTERS MODEL PHVB BROCHURE



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Volume Booster

VOLUME BOOSTERS are normally used to reproduce pneumatic signals in 1:1 ratio whenever input isolation or increased flow capacity is required. These high capacity Volume Booster, with a fixed minimum deadband, are designed to substantially improve the stroking speed of large actuators. Actuators retain their normal slow and stable responses as long as their signal fluctuations remain within the deadband limits that are determined by adjustment of the equalizing / bypass valve within the Booster.

Specifications :

Supply / Output connection : 1/4", 1/2" or 3/4" NPT (F)

Signal Connection : 1/4" NPT (F)

Maximum Supply Pressure : 10 Kg/cm²

Pressure Ratio : 1 : 1

Application : To reduce the response time, particularly of large actuator.

Features:

- Quick response with increased actuator stroking speeds
- Maintains correct actuator positioning at high stroking speeds
- Adjustable by pass valve provides good operational sensitivity
- High stability which allow normal slow actuator response to slow signal changes
- Capable of using high pressure plant air supply
- Different Booster sizes available to suit wide range of actuator sizes
- Main internal air supply valve with Soft seat insert for tight shut off
- Highly corrosion resistant with external stainless steel retaining screws and internal wear parts
- Stainless Steel and Aluminium construction available



Manderlay House
Manderlay Gardens
Emley
West Yorkshire
HD8 9TY

Email: enquiries@part-hunter.co.uk