



BV | Big volume booster



Product description

The Big Volume Booster (model **BV**) is designed to meet high speed control applications. It produces a high volume boosting action and contains an integral stabilizing by-pass valve, adjusted by a screwdriver turning the adjustment screw in the body. By opening this valve it is possible to improve the stability of the positioner – volume booster – actuator circuit. BV was specifically designed to be piloted by a high CV positioner (such as our FT Positioner).

Advantages

- **Safety - more sensibility - more accuracy**
Regulation screw is not ejectable by internal air pressure.
Regulation screw is accurate and lockable.
- **Big CV**
Unique high value of CV in one device.
- **Unique metal piston design**
Without deformable diaphragm.
- **Collectable exhaust**
Collectable exhaust (For silencer/protection/check valve).
- **Compact design**
Compact dimensions compared with other high CV options available.

Key features

Suitable for

- Standard, Offshore, Sandstorm, copper free ambient condition
- Single and double acting actuators
- Low and high ambient temperature

Exclusive manifold mounting system. It is a special **STI** application to connect our accessories. Fittings or nipples are not necessary as the connection is achieved using machined connection faces with sealing o'ring. This system saves time for assembly, reduces cost on items such as fittings, reducing inventory and the shortened dimensions save space.

Technical specifications



ALUMINUM
Manifold mounting

Housing materials

- Painted RAL 7001 aluminum
- Stainless steel 316

CV max

- Inlet = 8
- Outlet = 8

Operating temperature*

- -20°C / +70°C
- -40°C / +70°C available on request
- -20°C / +85°C available on request

Operating pressure

- P min = 2,5 bar
- P max = 7 bar
- Design pressure = 10 bar



STAINLESS
STEEL 316
Manifold mounting

Feeding connections

- Manifold mounting and 1" NPT

Output connections

- Manifold mounting

Pilot signal connection

- 1/2" NPT

Weight

- Aluminum = 5 kg
- Stainless steel 316 = 12,5 kg

(*) Lower or higher temperature available on request.

Dimensional drawing

