

BW: Ultra High Capacity Booster

The Ultra High Capacity Booster (model BW) is designed to meet high volume boosting requirements. The volume booster contains two activation regulators, one for supply amplification adjustment and the other for exhaust amplification adjustment.

Key features

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.

- > Suitable for:
 - Standard, offshore, sandstorm and copper-free ambient conditions.
 - Single and double acting actuators.
 - Low and high ambient temperature.

Benefits

- > **Safety**
Regulation screw is not ejectable by internal air pressure. Regulation screw is accurate and lockable
- > **Independent calibration for charge and exhaust**
Separate and independent amplification setting for supply and exhaust, making tuning easier to perform
- > **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

Compact design



Aluminium manifold mounting



Stainless steel 316 manifold mounting

Technical specification

Housing materials

Painted RAL 7001 aluminium
Stainless steel 316

Operating temperature*

-20°C to 70°C (-4°F to 158°F)
-40°C to 70°C (-40°F to 158°F)
-20°C to 85°C (-4°F to 185°F)

Pilot signal connection

1/2" NPT

Exhaust port

Manifold exhaust interface
STI dedicated exhaust protection system
model SL

Operating pressure

P min = 2.5 bar
P max = 7 bar
Design pressure = 10 bar

CV max

Inlet = 16
Outlet = 20

Output connections

Manifold mounting

Feeding connections

2 connections (1" NPT + 3/4" NPT)
Manifold mounting and 1" NPT

Weight

Aluminium = 5kg
Stainless steel 316 = 12.5kg

* Lower or higher temperature
available on request

Dimensional drawing

