

# 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



Aluminium manifold mounting

## 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**  
(Silencer/protection/check valve).  
Suitable for SL exhaust protection system
- > **Compact design**  
Compact dimensions compared with other high CV options available



Stainless steel 316 manifold mounting

## Technical specification

### Housing materials

Painted RAL 7001 aluminium  
Stainless steel 316

### Operating temperature\*

-20°C to 70°C  
-40°C to 70°C available on request  
-20°C to 85°C available on request

### Pilot signal connection

1/2" NPT

### 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

