



# BW | Ultra high capacity booster



## Product description

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.

## 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.
- **Independent calibration for charge and exhaust**  
Separate and independent amplification setting for supply and exhaust, making tuning easier to perform.
- **Unique metal piston design**  
Without deformable diaphragm.
- **Collectable exhaust**  
(For silencer/protection/check valve).
- **Compact design**  
Compact dimensions when compared with other big 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



STAINLESS  
STEEL 316  
Manifold mounting

### Housing materials

- Painted RAL 7001 aluminum
- Stainless steel 316

### Operating temperature\*

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

### Pilot signal connection

- 1/2" NPT

### Exhaust port

- Manifold exhaust interface
- STI dedicated exhaust protection system model SL

### Weight

- Aluminum = 7,3 kg
- Stainless steel 316 = 20 kg

### CV max

- Inlet = 16
- Outlet = 20

### Feeding connections

- 2 connections  
= 1" NPT + 3/4" NPT
- Manifold mounting and 1" NPT

### Output connections

- Manifold mounting

### Operating pressure

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

(\*) Lower or higher temperature available on request.

## Dimensional drawing

