

Process Automation

IMI STI

BW

Ultra High Capacity Booster



Breakthrough
engineering for
a better world



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.

Product 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.



Stainless steel 316 manifold mounting

Technical specifications

Housing materials
Painted RAL 7001 aluminium
Stainless steel 316

Operating temperature*
-20°C to 70°C
-40°C to 70°C
-20°C to 85°C

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

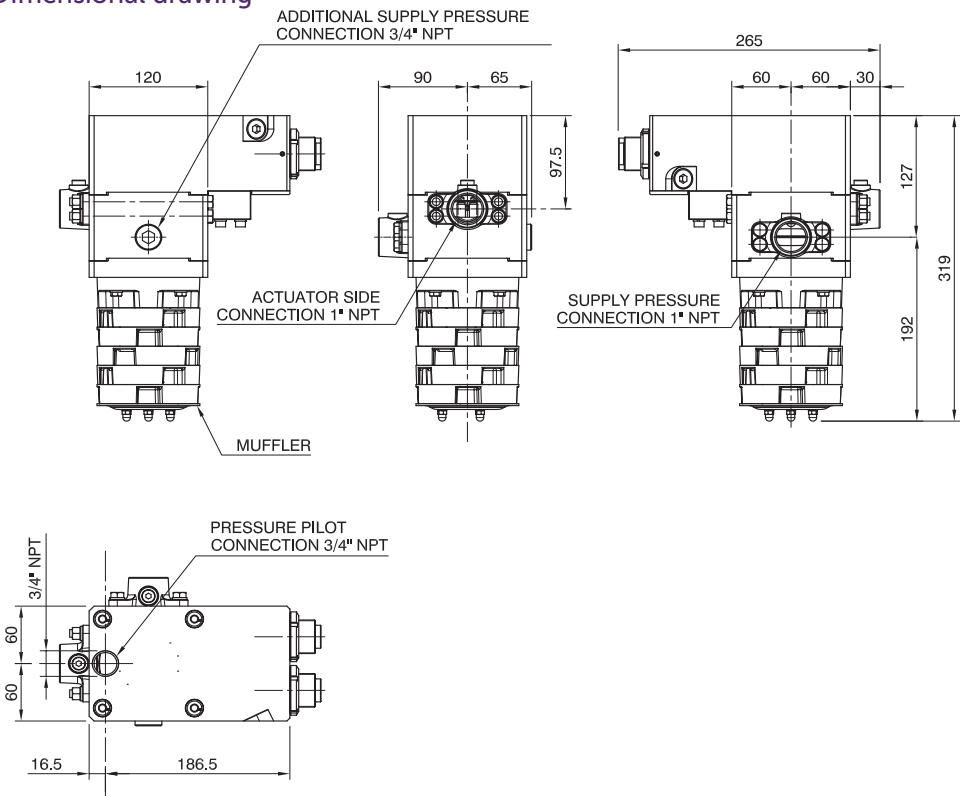
Output connections
Manifold mounting

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



Benefits

Regulation screw is not ejectable by internal air pressure. Regulation screw is accurate and lockable.

Separate and independent amplification setting for supply and exhaust, making tuning easier to perform.

Unique high value of CV in one device.

Unique metal piston design
Without deformable diaphragm.

Collectable exhaust (For silencer/protection/check valve).

Compact dimensions compared with other high CV options available.

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