

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Pneumatic Volume Booster**with type designation(s)  
**3755**

Issued to

**SAMSON AG Mess- und Regeltechnik  
Frankfurt am Main, Germany**

is found to comply with

**DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems****Application :****Product approved by this certificate is accepted for installation on all vessels classed by DNV GL.****Temperature range: -25 to +80 [°C]****Design pressure: 10 [bar]****Sizes: n/a**Issued at **Hamburg** on **2020-07-02**This Certificate is valid until **2025-07-01**.for **DNV GL**DNV GL local station: **Augsburg**Approval Engineer: **Ana Cristina Do Carmo Insfran****Olaf Drews  
Head of Section**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Job Id: **262.1-033175-1**  
Certificate No: **TAP000023Z**

## Product description

Pneumatic Volume Booster is a component of Control Valve Accessories without and with pressure gauges, which are installed as part of the control valve.

Design pressure: max. 10 [bar]

Design temperature: -25° to +80°[C]

Materials:

Component	Material	Standard
Body	EN AC-43000KF	DIN EN 1706
	1.4404 A479 316L	DIN EN 10272 ASTM A479
Exhaust side	EN AW-5083-H112	DIN EN 755-2
	1.4404 ASTM A479 316L	DIN EN 10272 ASTM A479

## Type Approval documentation

### Application/Limitation

The Pneumatic Volume Booster type 3755 is used together with positioners to increase the positioning speed of pneumatic actuators with an effective area  $\geq 1000\text{cm}^2$  or a travel volume  $\geq 6\text{l}$ .

The Pneumatic Volume Booster for the corresponding applications and the right installation and maintenance the instructions of the manufacturer are to be observed.

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## Tests carried out

Pressure Test

## Marking of product

For traceability to this type approval the Pneumatic Volume Booster type 3755 are to be marked with:

- Manufacturers name/Product Name
- Temperature range:  $-25^{\circ}\text{C} \leq$  to  $\leq +80^{\circ}\text{C}$
- Supply max.: 10 bar
- Signal Max: 7 bar
- Output max: 7 bar
- Model No.: 3755-xxxx
- Var.-ID.: xxx
- Serial no.: xxx

## Periodical assessment

**END OF CERTIFICATE**