Certificate No:
TAP00002CH

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Regulator

with type designation(s)
3610507XXX; 3610510XXX; 3610519010; 3610607XXX, 3610628XXX; 3610628700; 3610710XXX; 3610711200, 3610719000; 3610790500; 3610810XXX; 3610831XXX, 3611510XXX; 3730080000

Issued to
Aventics GmbH
Laatzen, Niedersachsen, **Germany**

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems

Application :

Products approved by this certificate are accepted for installation on all vessels classed by DNV.
Type:
3610507XXX; 3610510XXX; 3610519010; 3610607XXX
3610628XXX; 3610628700; 3610710XXX; 3610711200
3610719000; 3610790500; 3610810XXX; 3610831XXX
3611510XXX; 3730080000

Issued at **Hamburg** on **2021-07-06**
This Certificate is valid until **2026-07-05**.
DNV local station: **Essen**

Approval Engineer: **Christian Kaemmer**

for **DNV**

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 AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") 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.

Product description

Pressure Regulator, equipped with lever, roller lever, steering wheel or push-rod with drill hole.
For compressed air.

Technical data:

Type No:	Material No:	Range of Adjustment [bar]	Max. Parallel Displace-ment [bar]	Operating Force [N]	Operation by	Operating Pressure [bar]	Nominal Diameter
3610507XXX	3610507000 3610507100 3610507200 3610507300 3610507400 3610507500 3610507600 3610507700	0,1 – 1,1 0,1 - 2,6 0,1 – 3,6 0,1 –4,1 0,1 –4,6 0,1 –5,1 0,1 –7,1 0,1 -10,1	1,3 1,4 1,4 1,4 1,4 1,4 0,8 ---	65 110 140 160 180 190 250 350	push-rod with drill hole	10 bar 10 bar 10 bar 10 bar 10 bar 10 bar 10 bar 12 bar	DN7
3610510XXX	3610510000 3610510100 3610510200 3610510300 3610510400 3610510500 3610510600	0,1 – 1,1 0,1 – 2,6 0,1 – 3,6 0,1 – 4,1 0,1 – 4,6 0,1 – 5,1 0,1 – 7,1	1,3 1,4 1,4 1,4 1,4 1,4 0,8	65 110 140 160 180 190 250	push-rod with drill hole	10 bar	DN7
3610519010	3610519010	0,1 – 7,1	- - -	250	push-rod with drill hole	10 bar	DN7
3610607XXX	3610607000 3610607100 3610607200 3610607300 3610607400 3610607500 3610607600 3610607700	0,1 – 1,1 0,1 – 2,6 0,1 – 3,6 0,1 – 4,1 0,1 – 4,6 0,1 – 5,1 0,1 –7,1 0,1 – 10,1	1,3 1,4 1,4 1,4 1,4 1,4 0,8 --	- - -	Steering wheel	10 bar 10 bar 10 bar 10 bar 10 bar 10 bar 10 bar 12 bar	DN7
3610628XXX	3610628000 3610628100 3610628200 3610628300 3610628400 3610628500 3610628600 3610628030 3610628130 3610628230 3610628330 3610628430 3610628530 3610628630	0,1 – 1,1 0,1 – 2,6 0,1 – 3,6 0,1 – 4,1 0,1 – 4,6 0,1 – 5,1 0,1 –7,1 0,1 – 1,1 0,1 – 2,6 0,1 – 3,6 0,1 – 4,1 0,1 – 4,6 0,1 – 5,1 0,1 –7,1	1,3 1,4 1,4 1,4 1,4 1,4 0,8 1,3 1,4 1,4 1,4 1,4 1,4 0,8	- - -	Lever	10 bar	DN7
3610628700	3610628700	0,1 – 10,1	- - -	- - -	Lever	20 bar	DN7

3610710XXX	3610710000 3610710100 3610710400 3610710500 3610710600	0,1 – 1,1 0,1 – 2,6 0,1 – 4,6 0,1 – 5,1 0,1 - 7,1	1,3 1,4 1,4 1,4 0,8	- - -	Push-rod with drill hole	10 bar	- - -
3610711200	3610711200	0,1 – 3,6	1,4	- - -	Push-rod with drill hole	10 bar	DN3
3610719000	3610719000	1,1 – 7,1	0,8	- - -	Push-rod with drill hole	10 bar	- - -
3610790500	3610790500	0,1 – 5,1	1,4	- - -	Steering wheel	10 bar	DN3
3610810XXX	3610810000 3610810100 3610810200 3610810300 3610810400 3610810500 3610810600	0,1 – 1,1 0,1 –2,6 0,1 –3,6 0,1 –4,1 0,1 –4,6 0,1 –5,1 0,1 -7,1	1,3 1,4 1,4 1,4 1,4 1,4 0,8	- - -	Steering wheel	10 bar	DN7
3610831XXX	3610831200 3610831400 3610831500	0,1 – 3,6 0,1 – 4,6 0,1 – 5,1	1,4	- - -	Lever	10 bar	DN3
3611510XXX	3611510100 3611510500 3611510600	0,1 – 2,6 0,1 – 5,1 0,1 – 7,1	1,4 1,4 0,8	- - -	Push-rod with drill hole	10 bar	DN2
3730080000	3730080000	0,2 – 4,7	1,3	- - -	Roller lever	12 bar	- - -

Material of housings: Zinc die-casting.

Production place

- Emerson Automation Solutions, Bánki donát utca3, Eger 3300, Hungary

Responsibility

Aventics GmbH, Laatzen takes the responsibility that the design and production of the pressure regulators are in compliance with Rules, Standards and/or Regulations listed on page 1 of this certificate.

Application/Limitation

Type Approved for the use in compressed air systems, lubricated or non-lubricated.

Type Approval documentation

Production testing

All products shall be subject to a function & performance test.

Tests carried out

Function check, Visual Inspection.

Marking of product

For traceability to this Type Approval, the products are to be marked with:

Manufacturer's trade-mark “AVENTICS”
Material Number

Manufacturing site
Manufacturing Date
Country of Origin

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNVGL-CP-0338, Sec.4.

To check the validity of this certificate, please look it up in https://approvalfinder.dnvgl.com