DNV·GL

Certificate No:
TAP0000289

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Pressure Regulator

with type designation(s)
JRGURED 1300-1363

Issued to
Georg Fischer JRG AG
Sissach, BL, Switzerland

is found to comply with
DNV GL rules for classification – Ships Pt.4 Ch.6 Piping systems
DNV GL class programme DNVGL-CP-0186 – Type approval – Valves

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Temperature range:	**up to 70°C**
Max. working press.:	**10bar**
Sizes:	**DN15 up to DN65**

Issued at **Hamburg** on **2020-12-17**

This Certificate is valid until **2025-12-16**.

for **DNV GL**

DNV GL local station: **Augsburg**

Approval Engineer: **Hagen Markus**

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.

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Product description

Pressure reducing valve of type JRGURED pressure reducing valve and JRGURED Combi house water station in combination with fine filter for drinking water installation.

Reference, product brochure "JRGURED – Pressure reducing valve".

Materials	
Body / Housing	Gunmetal, Cu Sn5 Zn5 Pb2-C (CC499K)
Spring	Spring steel 1.1200
Membrane / O-Rings	EPDM
Filter element	Stainless steel / Plastic
Filter housing	Gunmetal, Cu Sn5 Zn5 Pb2-C (CC499K), Polyamide PA
Gasket	AFM 34/2
Design parameter	
Nominal pressure	PN10
Temperature range	Types
up to 30	1300, 1303, 1350, 1353
up to 70°C	1310, 1320, 1330, 1360

1300 to 1330 - JRGURED pressure reducing valve

Catalog no.	Design	DN	Drawings
1300	Plastic-cup, set pressure 4bar, EPDM, with unions and outer thread on both sides	15 to 65	JRG-049059, JRG-070339
1303	Plastic-cup, set pressure 4bar, EPDM, with outer thread on both sides		JRG-070465, JRG-070391
1310	Gunmetal cup, set pressure 4bar, EPDM, with unions and outer thread on both sides		JRG-070605, JRG-070647
1320	Gunmetal cup, set pressure 2bar, EPDM, with unions and outer thread on both sides		JRG-070662, JRG-070683
1330	Gunmetal cup, set pressure 6bar, EPDM, with unions and outer thread on both sides		JRG-070688, JRG-070737

1350 to 1360 - JRGURED Combi house water station

Catalog no.	Design	DN	Drawings
1350	Plastic filter cup, 4bar, EPDM, with unions and outer thread on both sides	25 to 50	JRG-084337, JRG-084318
1353	Plastic filter cup, 4bar, EPDM, with outer thread on both sides		JRG-084406, JRG-084363
1360	Gunmetal filter cup, with unions and outer thread on both sides		JRG-084482, JRG-084429

Application/Limitation

Hot and cold potable water, technical water and water heating systems.

For installation, operation and maintenance the instruction manuals "JRGURED" are to be observed.

Type Approval documentation

Tests carried out

Tightness test, Pressure and Burst pressure test witnessed by DNVGL surveyor.
Product test according to SVGW ZW 111 and 109, DIN EN 1567, DIN EN 13443-1

Production testing

Each product will be tested according to JRG Directives and Working sheets.
Appropriate Test Report according to EN 10204-2.2 will be issued on request.

Marking of product

For traceability of the product to this type approval certificate each packaging unit and the product is to be marked at least with the scope specified in below table.

Scope	**Example**	
	Packaging unit	**Product**
	Pressure reducing valve	Pressure reducing valve
Manufacturers mark	+GF+ JRGURED	JRG
Valve type	1330.020	JRGURED
Nominal diameter	DN20	2 1/2
Flow direction	n.a.	Arrow
Set pressure	4bar	n.a.
Housing material/rubber seal	CC499K/EPDM	
Batch No	091120	

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

End of certificate