

APPROVAL CERTIFICATE

DNV·GL

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the DNV GL Approval System.

Certificate No. **94 891 - 10 HH**

Company **Festo AG & Co. KG**
Ruiter Straße 82
73734 Esslingen, GERMANY

Product **PNEUMATIC COMPONENTS**
FUNCTION FITTINGS

Type **NON-RETURN VALVE HGL-..., COMBINED THROTTLE AND NON-RETURN VALVES GRLA-..., CRGRLA-...**

Technical Data / Application

TECHNICAL DATA			
Type	HGL	GRLA	CRGRLA
Connection	M5 to G3/8	M5 to G3/4	M5 to G1/2
Housing	die-cast Zn	die-cast Zn	X2CrNiMo 17-12-2
Housing-RS-B	-	PBT	-
Seals	NBR	NBR	NBR, FPM, PVC
Pressure range [bar]	0.2 to 10	0.2 to 10	0.2 to 10
Temperatur range [°C]	-10 to 60	-10 to 60	-10 to 60

RANGE OF APPLICATION

The above mentioned cylinders are approved for compressed air systems belonging to pipe class III under consideration of the GL Rules for Classification and Construction I. Ship Technology, Part 1, Chapter 2, Section 11 as applicable.

- The selection of the valves for the corresponding service and the right installation are to be in accordance with the instructions of the manufacturer.

Approval Standard **• GL- Rules I-1-2 Machinery Installation, Section 11: 2009, VI-7-8 Test Requirements for Components and Systems of Mechanical Engineering: 2013.**

Documents **• Valves Test Report No.: FN 942020, dated: 1994-02**
• Technical Data and Specifications according to Catalogue FESTO: www.festo.com/cat (catalogue in various languages is constantly updated)
• ISO 9001:2008, dated: 2013-11-13
• DNVGL-Ref-No.: 15-003948

Remarks **• None**

Valid until **2020-07-07**

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File No. **XI.B.07**

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