Certificate No: TO.DEB.21-2111

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 3 pages.

This is to certify that the

NON-RETURN GLOBE VALVE WITH FLANGE, CHECK VALVE WAFER, ANGLE GLOBE VALVE WITH FLANGE

With type designations

See Appendix 1

Manufactured by

GEDİK TERMO VANA SAN. TİC. A.Ş.

Is found to comply with

TL Rules, Part E, Chp 103 - Metallic Materials, Special Materials for Naval Ships Jan. 2006
TL Rules, Part E, Chp 107 - Naval Ship Tech., Ship Oper. Installations and Aux. Sys. Jan. 2016
TL Rules, Part A, Chapter 2, Material Jan. 2021
TL Rules, Part B, Chapter 4, Machinery Jan. 2021

Application	: The valves may be used for the following service; steam, hot water, sea water, air and other neutral fluids
Design	: GEDİK TERMO VANA SAN. TİC. A.Ş.
Sizes	: See Appendix 1
Address of Manufacturer	: Sakarya 2. OSB 11 No'lu yol No: 6, 54300 Hendek / Sakarya
Place and date	: İSTANBUL 13.10.2021

Subject to the conditions referred to in the following pages, this certificate is valid until 13.10.2026

Emrah SÖGÜTCÜ
New Building Division Manager

119325

Product description :

Type Designation : See Appendix 1

Materials used : To be referred to the approved drawing dated 08.10.2021.

Application/ Limitation (Approval conditions):

1- Valves to be used according to approved drawing.
2- The valve body, disc and seat should be suitable for the intended service.
3- All gasket and parts of valve not to be contain asbestos.
4- These type of valves or equipment made of material that can be ineffective with heat cannot be used in places requiring fire resistance.
5- Valves can not be used with oil and hydro carbon media term should be mentioned in limitation part because anti-static test hadn't been performed.

Documentation :

- PAE-EPAS/010626/21-2111/VA

Test carried out (and results) :

- Physical and chemical tests
- Dimension inspection
  Function test
- Hydrostatic pressure test carried according to Türk Loydu Rules.

Place of test carried out :

Gedik Termo Vana San. Tic. A.Ş. - Sakarya 2. OSB 11 No'lu yol No: 6, 54300 Hendek/ Sakarya

Marking of product:

The product to be marked same as below mentioned.

- Nominal size (DN)
- PN/Class designation
- Material identification
- Manufacturer's name or trademark

Hasan HABİBOĞLU for
Surveyor

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.

TÜRK LOYDU

APPENDIX 1

NO	PRODUCT NAME	DN	PN	MATERIAL
01	Non return globe valve with flange	40	10	AISI 316
02	Check valve wafer	50	10	CuSn10
03	Angle globe valve with flange	50 & 80	10/16	CuSn10

Hasan HABİBOĞLU
Surveyor