Certificate No.: 2404011525103938

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

Valves

TL Project No	**24-0916**
Manufacturer	**GEDİK TERMO VANA SAN. VE TİC. A.Ş.**
Address	**2. OSB No:8-985 Ada 4. Parsel Hendek/SAKARYA**
Product Type	**Globe Valves, Angle Globe Valves, Non Return Globe Valves, Check Valves with Control, Angle Check Calves with Control , Fire Valves Type C, Fire Valves Type D, Wafer Type Butterfly Valves, Lug Type Butterfly Valves, Dual Check Valves, Threaded Type Globe Valves, 2P Threaded Type Globe Valves, 3P Threaded Type Globe Valves, 2P Ball Valves, 3P Ball Valves**
Reference Rule	**TL Rules, Part E, Chapter 103 - Metallic Materials, Special Materials for Naval Ships , 22.01.2006** **TL Rules, Part E, Chapter 107 - Naval Ship Technology, Ship Operation Installations and Auxiliary System, 01.01.2016** **TL Rules, Part A, Chapter 2, Material , 01.01.2021** **TL Rules, Part B, Chapter 4, Machinery, 01.01.2021**
Expire Date of Previous Certificate	**-**
Place and Dates	**ISTANBUL / 08.04.2024**

Subject to the conditions referred to in the following pages, this certificate is valid until 25.12.2026.

This certificate supersedes 220730115922797 numbered and 01.08.2022 date certificate.

Emrah Söğütçü

New Building Division Manager

130995

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 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 revelant international instruments that apply to it.

Product : Valves

Approval No / Date : - PAE-EPAS/011944/21-2831/VA dated 25.02.2022
- PAE-EPAS/011980/21-2831/VA dated 01.03.2022
- PAE-EPAS/012066/21-2831/VA dated 09.03.2022
- PAE-EPAS/012100/21-2831/VA dated 11.03.2022
- PAE-EPAS/012354/21-2831/VA dated 11.04.2022
- PAE-EPAS/012360/21-2831/VA dated 11.04.2022
- PAE-EPAS/012432/21-2831/VA dated 19.04.2022
- PAE-EPAS/012498/21-2831/VA dated 22.04.2022
- PAE-EPAS/012583/21-2831/VA dated 05.05.2022
- PAE-EPAS/012756/21-2831/OE dated 26.05.2022
- PAE-EPAS/012820/21-2831/VA dated 03.06.2022
- PAE-EPAS/012927/21-2831/VA dated 15.06.2022

Performed Tests : Following tests were carried out with satisfactory results.
- Physical and chemical tests
- Dimension inspection
- Function test
- Hydrostatic pressure test carried according to Türk Loydu Rules.
- Visual inspection

Test Place : 2. OSB No:8-985 Ada 4. Parsel Hendek/SAKARYA

Last Inspection Date : 01.08.2022

Surveyor Remarks : -

	Type of Product	Product Description	Body Material	Seat Material	Nominal Diameter	Nominal Pressure
1	Globe Valves	VG Globe Valves	CuSn10	CuSn10	DN20 - DN32	PN 25
2	Globe Valves	VG Globe Valves	CuSn10	CuSn10	DN40 - DN150	PN 10
3	Globe Valves	DIN Globe Valves (Reduced End)	CuSn10	CuSn10	DN32 - DN125	PN 10
4	Angle Globe Valves	VG Angle Globe Valves	CuSn10	CuSn10	DN20 - DN32	PN 25
5	Angle Globe Valves	VG Angle Globe Valves	CuSn10	CuSn10	DN40 - DN150	PN 10
6	Non Return Globe Valves	VG Non Return Globe Valves	CuSn10	CuSn10	DN40 - DN200	PN 10
7	Non Return Globe Valves	VG Non Return Globe Valves	CuSn10	CuSn10	DN200	PN 4
8	Non Return Globe Valves	VG Non Return Globe Valves (Reduced End)	CuSn10	CuSn10	DN32 - DN200	PN 10

Surveyor Name : Caner COŞKUN

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9	Check Valves with Control	VG Check Valves with Control	CuSn10	CuSn10	DN20 - DN200	PN 10
10	Check Valves with Control	VG Check Valves with Control	CuSn10	CuSn10	DN20 - DN32	PN 25
11	Check Valves with Control	DIN Check Valves with Control (Reduced End)	CuSn10	CuSn10	DN32 - DN125	PN 10
12	Angle Check Calves with Control	VG Angle Check Calves with Control	CuSn10	CuSn10	DN25 - DN200	PN 10
13	Angle Check Calves with Control	VG Angle Check Calves with Control	CuSn10	CuSn10	DN20 - DN32	PN 25
14	Fire Valves Type C	VG Fire Valves Type C	CuSn10	CuSn10	DN50	PN 10
15	Fire Valves Type C	Flange VG Fire Valves Type C	CuSn10	CuSn10	DN65	PN 10
16	Fire Valves Type D	VG Fire Valves Type D	CuSn10	CuSn10	DN50	PN 10
17	Fire Valves Type D	Flange VG Fire Valves Type D	CuSn10	CuSn10	DN65	PN 10
18	Wafer Type Butterfly Valves	DIN Wafer Type Butterfly Valves	CuSn10	CuSn10	DN40 - DN300	PN 16
19	Lug Type Butterfly Valves	DIN Lug Type Butterfly Valves	CuSn10	CuSn10	DN40 - DN300	PN 16
20	Dual Check Valves	DIN - Flange VG Dual Check Valves	CuSn10	CuSn10	DN50 - DN150	PN 16
21	Threaded Type Globe Valves	VG Threaded Type Globe Valves	CuSn10	CuSn10	DN10 - DN32	PN 16
22	2P Threaded Type Globe Valves	DIN 2P Threaded Type Globe Valves	AISI 316L	AISI 316L	DN10 - DN65	PN 63
23	3P Threaded Type Globe Valves	DIN 3P Threaded Type Globe Valves	AISI 316L	AISI 316L	DN15 - DN100	PN 40
24	2P Ball Valves	DIN 2P Ball Valves	CuSn10	CuSn10	DN80 - DN100	PN 16

Surveyor Name : Caner COŞKUN

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25	2P Ball Valves	VG 2P Ball Valves	CuSn10	CuSn10	DN80 - DN100	PN 16
26	3P Ball Valves	VG 3P Ball Valves	CuSn10	CuSn10	DN20 - DN100	PN 16

Approval Conditions : -Valves to be used according to approved drawing.
-The valve body, disc and seat should be suitable for the intended service.
-All gasket and parts of valves not to be contain asbestos.
-Overboard valves should be manufactured with indicators.
-The Valves are to be installed according to manufacturer?s instructions and Türk Loydu rules.
-The type of valves or equipment made of material that can be ineffective with heat cannot be used in places requiring fire resistance.
-Valves cannot be used with oil and hydrocarbon media term should be mentioned in limitation part because anti-static test hadn?t been performed.

Surveyor Name : Caner COŞKUN

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