Certificate No.: 2405221506503740

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

Valve

TL Project No	**24-1403**
Manufacturer	**DİKKAN GEMİ VE ENDÜSTRİYEL VANA SAN. TİC. A.Ş.**
Address	**İzmir Kemalpaşa Yolu, Hayıtlıkır Mevkii No:30 Kemalpaşa/ İzmir**
Product Type	**Butterfly Valve**
Reference Rule	**TL Rules, Part A, Chapter 2, Material, 01.07.2019** **TL Rules, Part B, Chapter 4, Machinery, 01.01.2020**
Expire Date of Previous Certificate	**-**
Place and Date	**İSTANBUL / 04.06.2024**

This certificate supersedes 220411184647329 numbered certificate.

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

131220

Emrah SÖĞÜTÇÜ

New Building Division Manager

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.

Approval No / Date : PAE-EPAS/012159/20-0515/VA; 22.03.2022
PAE-EPAS/012135/20-0515/VA; 18.03.2022
PAE-EPAS/012155/20-0515/VA; 21.03.2022
PAE-EPAS/012131/20-0515/VA; 17.03.2022
PAE-EPAS/012149/20-0515/VA; 21.03.2022

Test Pressure on Body : Desigen pressure x 1,5

Test Pressure on Seat : Desigen pressure x 1,1

Performed Tests : -Mechanical and chemical analysis
-Dimension control according to approved drawings
-Function test
-Hydrostatic pressure test

Test Place : Kemalpaşa/ İzmir

Last Inspection Date : 12.04.2022

Surveyor Remarks : - 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 valve not to be contain asbestos
- These type of valves or equipment made of material that can be ineffective with hea cannot be used in places requiring fire resistance.
-The usage fluids of the relevant valve are to be used in the pipe classes in accordanc with the "TL Chapter 4 - Machinery, Section 16- Table 16.1 and Table 16.5"
-Wafer type valves are not to be used for any connections to the vessel's shell and o the sea chest unless specially approved.
-Nodular cast iron valves are to be made only by ferritic grades, and elongation is t be at least 15%
-Copper and copper alloys are not to be used for the fluids having a tepmrature greate than the following limits:
Copper-Nickel alloys 300°C
High-Temperature Bronze 260°C
Copper and Aluminium Brass 200 °C

Others : -

	Product Description	Body Material	Sealing Material	Nominal Diameter	Nominal Pressure
1	Butterfly Valve Wafer Type	EN-GJS-400-15 CuSn10-C	HNBR	DN50 DN65 DN80 DN100 DN125 DN150	PN16
2	Butterfly Valve Wafer Type	EN-GJS-400-15 CuSn10-C	HNBR	DN200 DN250 DN300 DN350 DN400 DN450	PN10

Surveyor Name : Onur KOCABEY

				DN500 DN600	
3	Butterfly Valve Lug Type	EN-GJS-400-15 CuSn10-C	HNBR	DN50 DN65 DN80 DN100 DN125 DN150	PN16
4	Butterfly Valve Lug Type	EN-GJS-400-15 CuSn10-C	HNBR	DN200 DN250 DN300 DN350 DN400 DN450 DN500 DN600	PN10
5	Butterfly Valve Short Type Mono Flange	EN-GJS-400-15	HNBR	DN50 DN65 DN80 DN100 DN125 DN150	PN16
6	Butterfly Valve Short Type Mono Flange	EN-GJS-400-15	HNBR	DN200 DN250 DN300 DN350 DN400 DN450 DN500 DN600	PN10
7	Butterfly Valve Long Type Mono Flange	EN-GJS-400-15	HNBR	DN50 DN65 DN80 DN100 DN125 DN150	PN16

Surveyor Name : Onur KOCABEY

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8	Butterfly Valve Long Type Mono Flange	EN-GJS-400-15	HNBR	DN200 DN250 DN300 DN350 DN400 DN450 DN500 DN600	PN10
9	Butterfly Valve Short Type Double Flange	EN-GJS-400-15 CuSn10-C	HNBR	DN50 DN65 DN80 DN100 DN125 DN150	PN16
10	Butterfly Valve Short Type Double Flange	EN-GJS-400-15 CuSn10-C	HNBR	DN200 DN250 DN300 DN350 DN400 DN450 DN500 DN600	PN10
11	Butterfly Valve Long Type Double Flange	EN-GJS-400-15 CuSn10-C	HNBR	DN65 DN80 DN100 DN125 DN150	PN16
12	Butterfly Valve Long Type Double Flange	EN-GJS-400-15 CuSn10-C	HNBR	DN200 DN250 DN300 DN350 DN400 DN450 DN500 DN600	PN10

Approval Conditions : -

Surveyor Name : Onur KOCABEY