

PRODUCT TECHNICAL SPECIFICATION

GATE VALVE, METAL SEAT, FLANGED

SCOPE

Gate Valve, Straight Type, Flanged, Gray Cast Iron / Ductile Iron,
Sizes and Materials comply with EN Standards
Has the TSE Certificate in accordance with TS EN 1171
DN 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600
PN 2,5 – 4 – 6 – 10

A. MATERIALS

Body	in accordance with the TS 552 EN 1561 Standard; Gray Cast Iron, EN GJL 250 (GG 25 according to the older rating) in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Bonnet	in accordance with the EN 1561 Standard; Gray Cast Iron, EN GJL 250 (GG 25 according to the older rating) in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Stem	Stainless Steel, AISI 410 or 420 or 304
Bolt / Core	Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)
Seat	CuZn40Pb2, Stainless, Bronze
Fitting Components	Minimum Property Class 6.8
Handwheel	Ductile Iron, EN GJS 400 (GGG 40.3 according to the older rating)

B. FACE TO FACE DIMENSIONS

in accordance with the TS EN 558-1 SERIES-14 Straight Type F4 Gate Valve Standard

C. FLANGE SIZES

in accordance with the TS EN 1092-2 and BS EN 1092-2 Standards; PN 10

D. NOMINAL PRESSURE / OPERATING PRESSURE

PN 2,5 – 4 – 6 – 10 (Isomorphic)

E. OPERATING TEMPERATURE RANGE

-10 ~ +110 °C

F. MARKING

Minimal marking that is legible and obtained in the form of embossing from casting;

MANUFACTURER

(BRAND) TS 1171

BODY MATERIAL

IF GRAY CAST IRON: **EN GJL 250**

IF DUCTILE IRON: **EN GJS 400**

PRESSURE GRADING: **PN 2,5 – 4 – 6 – 10**

NOMINAL SIZE: **DN40/DN50/DN65 / DN80 / DN100 / DN125 / DN150 / DN200 / DN250
/ DN300 / DN350 / DN400 / DN450 / DN500 / DN600**

G. PAINT

After Casting: Cast iron parts are primed

After Assembly: Wet spray paint

H. TEST

in accordance with the EN 12266-1 Standard; RATE-A (Zero leakage)

I. WARRANTY

2-year warranty against workmanship and material defects

J. PACKAGING AND SHIPMENT

Plastic plugs in fluid bore openings

Products are shipped as packed in individual plastics bags