

# PRODUCT TECHNICAL SPECIFICATION

## OS&Y VALVES

### SCOPE

Elastomer Gate Valve / Ductile Iron

Sizes and Materials comply with the EN Standards, has TSE Certificate in accordance with the UL 262- FM1120-1130 Standard

DN 65, 80, 100, 150, 200

PN 12-PN21/ 175 PSI-300 PSI

### A. MATERIALS

<b>Body</b>	in accordance with the TS 552 EN 1563 Standard; DUCTILE Iron, EN GJS 400–EN GJS 500 (GGG 40-GGG50 according to the older rating)
<b>WEDGE</b>	in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN JS 1020 (GGG 40 according to the older rating), outer surface EPDM plated
<b>Handwheel</b>	in accordance with the TS 526 EN 1563/A1 Standard; Ductile Iron, EN JS 1020 (GGG 40 according to the older rating)
<b>Stem</b>	Stainless Steel, AISI 410 or 420 or 304
<b>Wedge Coating</b>	Shore A EPDM Rubber, Hardness $70 \pm 5$ , Injection or compression coating
<b>Sealing Components</b>	EPDM COATED WEDGE/EPDM BONNET GASKET/O-RING

## **B. FACE TO FACE DIMENSIONS**

TS EN 558-1 SERIES-14

## **C. FLANGE CONNECTION DIMENSIONS**

It is compatible with PN 16 flange dimensions in accordance with TS EN 1092-2 and BS EN 1092-2.

## **D. NOMINAL PRESSURE / OPERATING PRESSURE**

PN 12 or PN21 / 12 or 21 Bar/ 175 PSI or 300 PSI

## **E. OPERATING TEMPERATURE RANGE**

-10 ~ +120 °C

## **F. MARKING**

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

### **MANUFACTURER (BRAND)**

BODY MATERIAL

DUCTILE IRON: **EN JS 1020 / EN GJS 400 / EN GJS 500**

PRESSURE GRADING: **PN12-PN21 / 175 PSI-300 PSI**

NOMINAL SIZE: **DN65 / DN80 / DN100 / DN150 / DN200**

## **G. PAINT**

**After Casting** Cast Iron parts are primed using Shop Primer

**Before Assembly** in accordance with the DIN 30677-1 Standard; epoxy oven-paint

## **H. TEST**

- in accordance with the EN 12266-1 /UL 262 /FM1120-1130 Standard; RATE-A (Zero leakage)
- Body Sealing Test at 2 times the nominal pressure

## **I. WARRANTY**

5-year warranty against workmanship and material defects

## **J. PACKAGING AND SHIPMENT**

The products are shipped one by one, packed in bubble wrap nylon.

## **K. OTHER ISSUES**

- Valves with 12 or 21 bar operating pressure provide 100% tightness in closed position
- Connection diameters from DN65 to DN 200 are produced with handwheels.
- Enable gasket replacement under pressure.