

## PRODUCT TECHNICAL SPECIFICATION

### DRY ALARM VALVE

#### SCOPE

Dry Alarm Valve,  
DN 65, 80, 100, 150, 200  
PN21/ 300 PSI

- External Reset
- Dry Type (differential)
- Semi-Mounted
- Low Air Pressure
- Pressure Switch
- Air Vent
- Mechanic Gong

Dry pipe sprinkler system is designed for places where pipes and sprinklers may be exposed to freezing temperatures, i. e. unheated warehouses, garages, car parks, penthouses and stores. Sprinkler installation contains air or nitrogen gas instead of water. The differential type dry alarm valve prevents ingress of air at low pressure and water at high pressure into the system thanks to its special disc. In case of fire the differential ratio in the system deteriorates due to the sprinkler that gets activated and causes the disc to open. Pressure switch transmits the alarm information to the fire alarm system or automation system. After the pressure switch is triggered, the water reaches the powered gong and releases the mechanical alarm.



## A. MATERIALS

<b>Body</b>	in accordance with the TS 552 EN 1563 Standard; DUCTILE Iron, EN GJS 400 (GGG 40 according to the older rating)
<b>Disc</b>	in accordance with the TS 552 EN 1563 Standard; DUCTILE Iron, EN GJS 400 (GGG 40 according to the older rating)
<b>Seat</b>	Bronze
<b>Stem</b>	Stainless Steel, AISI 410 or 420 or 304
<b>Sealing Components</b>	EPDM Gasket / EPDM Bonnet Gasket / O-Ring

## B. FACE TO FACE DIMENSIONS

NOMINAL DIAMETER	L (FACE TO FACE DIMENSIONS) (mm)
DN65	325
DN80	325
DN100	350
DN150	400
DN200	480

## 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

PN21 / 21 Bar/ 300 PSI



#### **E. OPERATING TEMPERATURE RANGE**

It can be used in all areas where water can be frozen. Water freezes below 0 °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**

PRESSURE GRADING: **PN21/300 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; Wet Paint

#### **H. TEST**

- in accordance with the EN 12259-3 / UL 260 / FM 1021 Standard; RATE-A (Zero leakage)
- 42 Bar Body Sealing Test
- Differential Ratio Test,

#### **I. WARRANTY**

2-year warranty against workmanship and material defects

#### **J. PACKAGING AND SHIPMENT**

Products are shipped separately in a cardboard box along with the trim set.