

PRODUCT TECHNICAL SPECIFICATION (Y-4010)

WET ALARM VALVE

SCOPE

It covers the technical details of Wet Alarm valves with trim set, suitable for vertical use, preventing false alarms under different pressures thanks to the sensitive delay cell custom-engineered for wet pipe systems.

Wet alarm valve is designed for applications where the water is not likely to freeze. The water that is pressurized in the pipes is discharged to the fire zone when the sprinkler is activated due to a fire. While the pressurized water system is fed continuously, it also fills the delay cell at the same time. Once the cell is full, the pressure switch on the cell is triggered. Pressure switch transmits the alarm information to the fire alarm system or automation system. After the pressure switch is triggered, the water reaches the water powered gong and releases a mechanical alarm.

Wet Alarm Valve 300 PSI
DN 65, 80, 100, 150, 200
PN 21/ 300 PSI

A. MATERIALS

Body	DUCTILE Iron, EN JS-1020/EN-GJS-400
Bonnet	DUCTILE Iron, EN JS-1020/EN-GJS-400
Bonnet Gasket	EPDM
Delay Cell	DUCTILE Iron, EN JS-1020/EN-GJS-400
Disc	Bronze
Seat	Bronze

B. FACE TO FACE DIMENSIONS

FACE TO FACE DIMENSIONS OF THE ALARM VALVE	
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. It is also manufactured in accordance with ANSI flanges.

D. NOMINAL PRESSURE / OPERATING PRESSURE

PN21 / 21 Bar/ 300 PSI

E. OPERATING TEMPERATURE RANGE

+4 ~ +120 °C

F. MARKING

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

MANUFACTURER

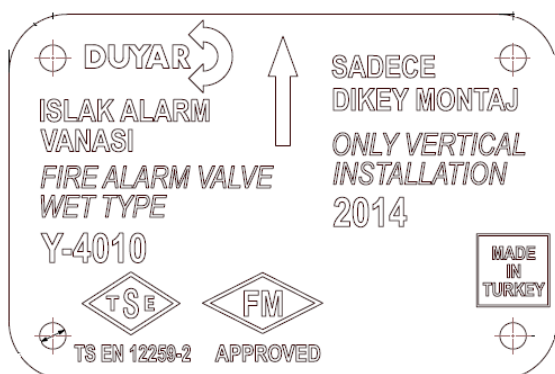
(BRAND)

BODY MATERIAL

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

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: RAL 3002 Wet Paint

H. TEST

100% testing is carried out to cover the mass production tests of the **FM 1041, UL 262, EN 12259-2:2002 + A3:2006** standards. The tests conducted in mass production are as follows:

Body Strength Test	→ 42 Bar – 1 minute
Disc Sealing Test	→ 21 Bar – 30 seconds
Trim Set Leak Test	→ 21 Bar – 5 minutes
Gong Test	→ 3 Bar

I. WARRANTY

2-year warranty against workmanship and material defects

J. PACKAGING AND SHIPMENT

Products are shipped individually in special packaging.