

PRODUCT TECHNICAL SPECIFICATION

FIRE BRIGADE FLOOR CONNECTION VALVE

SCOPE

This technical specification covers the floor connection valve positioned next to or near the fire cabinets used by a fire brigade for water intake.

They are valves operated via handwheel, have coupling connections and EPDM seats.

❖ TSE TS 12259 Standard

FM 1521-Angle and Straightaway Hose Valves

❖ UL 668-2016 STANDARD FOR SAFETY

Hose Valves for Fire-Protection Service

A. MATERIALS

Body Valve body material is CuZn40Pb2 (Brass)

Disc Disc material is CuZn40Pb2 (Brass)

Bonnet Bonnet material is CuZn40Pb2 (Brass)

Coupling Made of aluminum material, according to the TS-12258 standard

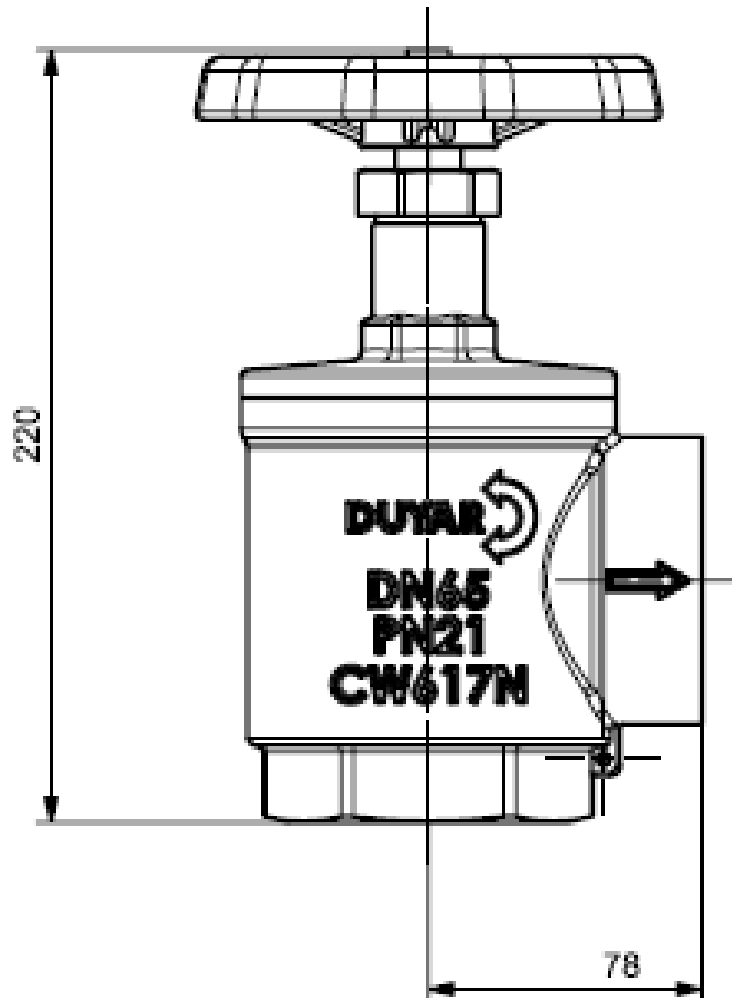
Handwheel Made of Aluminum Alloy

Stem Stem material is CuZn40Pb2 (Brass)

Seat Gaskets and o-rings shall be produced of EPDM rubber.. The surfaces of the gaskets and o-rings shall be completely smooth. They also should withstand temperatures of at least -10/+ 120 °C.

B. FACE TO FACE DIMENSIONS

The distance (in mm) between two planes perpendicular to the valve axis and passing through the far end parts of the valve body openings or specified in the relevant valve product standard.



C. NOMINAL PRESSURE / OPERATING PRESSURE

PN21 / 300 PSI

D. OPERATING TEMPERATURE RANGE

-10 ~ +120 °C

E. MARKING

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

- **DUYAR Logo**
- **FM/ UL Listed or TS 12259**
- **Material Type of The Body**
- **Pressure Grading**
- **Nominal Size of The Valve**

F. TEST

Mass Manufacturing Test;

With the Valve in shut position	FUNCTIONAL TEST					
	Nominal Size	Test pressure	Test Fluid	Test Ambient Temperature	Test Duration	Acceptance Criteria
	DN65	6 Bar	Air	20°C	10 sec	Must be Leakproof
		21 Bar	Water		20 sec	

Valve Drain position	BODY RESISTANCE TO PRESSURE TEST					
	Nominal Size	Test pressure	Test Fluid	Test Ambient Temperature	Test Duration	Acceptance Criteria
	DN65	6 Bar	Air	20°C	10 sec	Must be Leakproof
		42 Bar	Water		40 sec	

G. WARRANTY

The warranty against workmanship and material defects is 2 years.

