

INTERNAL HYDRANT DN25 WITH THERMAL INSULATION



Product symbol	Product code
PN-EN 671-1[Z-25/30]	S-250-Z30-OFT
PN-EN 671-1[Z-25/20]	S-250-Z20-OFT



Insulated and heated internal hydrant DN25 with 25 mm semi-rigid fire hose. Insulated and heated version. Working pressure from 0,2 to 1,2 MPa

HYDRANT DIMENSION:

Height: 650 mm
Width: 700 mm
Depth: 272 mm

RECESS DIMENSION:

Height: n/a
Width: n/a
Depth: n/a

SUPPORTING LEGS: (option)

Height: 800mm
Amount: 2 szt.

Internal hydrant with thermal insulation are adapted to work in places exposed to low temperatures, such as: car parks, halls, warehouses, etc. A 150W heating element with a thermostat allows to maintain a temperature of +5°C inside the hydrant.

Hydrant protected by:

- Trademark established by protective law no 185129
- EU industrial design no 001777418-0002
- Utility model nr 62999
- Utility model nr 64713

Standard design:

- hydrant cabinet GALVANIZED steel sheet lacquered with Facade type polyester powder paint in red (RAL 3000) or white (RAL 9003) color; full door; cabinet door can be opened by 180°
- brass hydrant valve 25 manufactured by Supron 3
- fire hose reel in RAL 3000 color hinged for 180°, with brass water axis and brake for controlling the unwind force
- $\varnothing 25$ mm semi-rigid fire hose 20 m or 30 m length according to PN-EN 694, fixed connection to water axis by crimping the hose with aluminum sleeve
- hydrant nozzle type PWh-25 according to PN-EN-671-1, fixed connection to fire hose by crimping the nozzle with aluminum sleeve
- valve and water axis connection hose; all thread connections without hose clamps
- hydrant cabinet insulated by material with thermal conductivity 0.0359 [W/m*K]
- 150W heating element with thermostat, 230V
- buckle lock
- marking: sign "Hydrant" according to PN-EN ISO 7010:2012 + information plate according to PN-EN 671-1
- instructions for installation and maintenance of the hydrant
- instructions for connecting the internal hydrant 25
- guarantee card
- identification number

HYDRAULIC PROPERTIES

Working pressure: from 0,2 MPa to 1,2 MPa

Diffused conical water stream – not less than 45 degree

Flow rate /efficiency/	Pressure [MPa]	hose 30 mb		hose 20 mb	
		Dispersed stream	Compact stream	Dispersed stream	Compact stream
Equivalent diameter 10 mm	0,2	61 l/min	60 l/min	65 l/min	64 l/min
	0,4	86 l/min	85 l/min	92 l/min	91 l/min
	0,6	104 l/min	103 l/min	112 l/min	111 l/min
Factor K		43		46	
Effective coverage range of the water jet at a pressure of 0.2 MPa (plus hose length / 20 m or 30 m):					
Equivalent diameter 10 mm	0,2	4,5 m	11,8 m	4,5 m	11,8 m
	0,4	7,0 m	14,4 m	7,0 m	14,4 m
	0,6	8,1 m	18,0 m	8,1 m	18,0 m

Attention! The dependence of the flow rate Q on the pressure P is given by the equation: $Q = Kv\sqrt{10P}$, where Q is expressed in liters / minute and P in megapascals.

POSSIBILITY OF IMPLEMENTATION



INOX

Stainless steel type 304 with 240 cut or 316L. In aggressive environment (e.g. swimming pools) recommended is only 316L steel



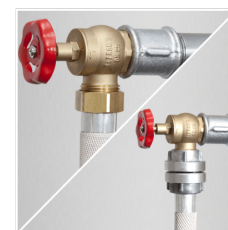
INDIVIDUAL COLOR

Any color from RAL pallet



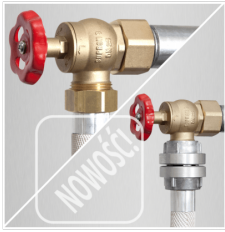
NON-STANDARD DIMENSIONS

Possible to adopt dimensions to customer request



CONNECTION OF HOSE CONNECTING HYDRANT VALVE WITH WATER AXIS – STANDARD

- thread connection in standard
- connection by adapter and hose coupling



25 VALVE WITH ROTATING ADAPTER – OPTIONAL

- thread connection in standard
- connection by adapter and hose coupling



NOZZLE CRIMPING

- nozzle crimping with aluminum sleeve in standard
- nozzle crimping with brass sleeve



52 VALVE WITH SLANT REDUCTION

Hydrant can be connected to DN52 water supply due to 52 valve with slant reduction

TYPE OF LOCK



BUCKLE LOCK

It can be closed with a padlock or secured with a seal. Secure with a padlock, order a key box and attach it to the hydrant door.