

## INTERNAL HYDRANT DN25 WITH PLACE FOR FIRE EXTINGUISHER UNDER THE HOSE REEL WITH THERMAL INSULATION


**Product symbol**

PN-EN 671-1[Z-25/30G] - vertical version

PN-EN 671-1[Z-25/20G] - vertical version

**Product code**

S-250-ZGW30-OFT

S-250-ZGW20-OFT



Internal hydrant DN25 mounted on the wall with place for fire extinguisher with 25 mm semi-rigid fire hose. Working pressure from 0,2 to 1,2 MPa.

**HYDRANT DIMENSION:**

Height: 800 mm

Width: 700 mm

Depth: 272 mm

**RECESS DIMENSION:**

Height: n/a

Width: n/a

Depth: n/a

**SUPPORTING LEGS: (option)**

Height: 650 mm

Amount: 2 pcs.

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° place for fire extinguisher under the hose reel
- 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
- φ25 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" and "Fire Extinguisher" 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 numer

## 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
<b>Factor K</b>		<b>43</b>		<b>46</b>	
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:  $Q = K\sqrt{10P}$ , 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



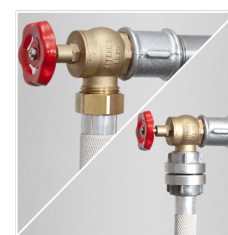
### INDIVIDUAL COLOR

Any color from RAL pallet



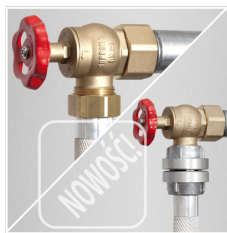
### NON-STANDARD DIMENSIONS

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.