

## INTERNAL HYDRANT DN33 WITH PLACE FOR FIRE EXTINGUISHER UNDER THE HOSE REEL WITH THERMAL INSULATION


**Product symbol**

PN-EN 671-1[Z-33/30G] - vertical version

PN-EN 671-1[Z-33/20G] - vertical version

**Product code**

S-330-ZGW30-OFT

S-330-ZGW20-OFT



Internal hydrant DN33 mounted on the wall with place for fire extinguisher with 25 mm semi-rigid fire hose. Insulated and heated version. Working pressure from 0,2 to 0,7MPa.

**HYDRANT DIMENSION:**

Height: 900 mm

Width: 800 mm

Depth: 300 mm

**RECESS DIMENSION:**

Height: n/a

Width: n/a

Depth: n/a

**SUPPORTING LEGS: (option)**

Height: 550 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°
- 52 aluminum hydrant valve with slant reduction
- fire hose reel in RAL 3000 color hinged for 180°, with water axis
- $\varnothing 33$  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-33 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
- 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
- documentation: instruction of assembly and maintenance
- instruction of change from right to left side
- guarantee card

## HYDRAULIC PROPERTIES

Working pressure: from 0,2 MPa to 0,7 MPa

Diffused conical water stream – not less than 45 degree.

Flow rate /efficiency/	Pressure [MPa]	hydrant valve 52 mm		ball valve 32 mm	
		Dispersed stream	Compact stream	Dispersed stream	Compact stream
Equivalent diameter 12 mm	0,2	107 l/min	90 l/min	108 l/min	91 l/min
	0,4	151 l/min	128 l/min	152 l/min	129 l/min
	0,6	184 l/min	157 l/min	185 l/min	158 l/min
<b>Factor K</b>		<b>75</b>	<b>64</b>	<b>76</b>	<b>64</b>
Effective coverage range of the water stream (+ the length of the hose 20 or 30 m)					
Equivalent diameter 12 mm	0,2	4,1 m	10,4 m	4,2 m	10,6 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



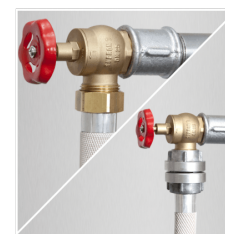
### INDIVIDUAL COLOR

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



#### 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



#### BALL VALVE 32 – OPTIONAL

Possible to use 5/4" ball valve (32)

## 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.