

## INTERNAL HYDRANT DN33 MOUNTED ON THE WALL – RETRACTABLE VERSION



Product symbol	Product code
PN-EN 671-1[Z-33/30] - retractable version	S-33-WW30
PN-EN 671-1[Z-33/20] - retractable version	S-33-WW20

Internal hydrant mounted on the wall with 33 mm semi-rigid fire hose – retractable version. Universal design: possible to connect to water supply as left or right side. Working pressure from 0,2 to 0,7 MPa.



Hydrant weight: about 19 kg



Europallet (120 x 80 x height up to 200 cm): 8 pcs.



### Hydrant protected by:

- trademark established by protective law no 185129
- utility model nr 62999

### Standard design:

- 52 aluminum hydrant valve with slant reduction
- fire hose reel in RAL 3000 color 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
- information plate according to PN-EN 671-1
- documentation: instruction of assembly and maintenance
- guarantee card
- identification number

## 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
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**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



### 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)