

## INTERNAL HYDRANT DN33 MOUNTED IN RECESS – MCP

Product symbol	Product code
PN-EN 671-1[W-33/30]ROP	S-33R-W30
PN-EN 671-1[W-33/20]ROP	S-33R-W20

Internal hydrant DN33 mounted in recess with place for fire alarm Manual Call Point – dimensions of the hole according to the customer's specification, with 33 mm semi-rigid fire hose. Holes for water connection are blanked, enable to connect to water pipe 1" or 2". Working pressure from 0,2 to 0,7 MPa.



**Hydrant weight:** about 36 kg



**Industry palette** (120 x 100 x height up to 200 cm): 9 pcs.

### HYDRANT DIMENSION:

Height: 950 mm  
Width: 800 mm  
Depth: 250 mm

### RECESS DIMENSION:

Height: 970 mm  
Width: 820 mm  
Depth: 260 mm

### SUPPORTING LEGS: (option)

Height: 700 mm  
Amount: 2 pcs.

### Hydrant protected by:

- trademark established by protective law no 185129
- EU industrial design no 001777418-0002

### Standard design:

- hydrant cabinet GALVANIZED steel sheet lacquered with [Facade type polyester powder paint](#) in red (RAL 3000) or white (RAL 9003) color; thanks to cover hinge cabinet door are opening for 180°
- place for fire alarm Manual Call Point – dimensions of the hole according to the customer's specification
- 52 aluminum hydrant valve with slant reduction
- fire hose reel in RAL 3000 color hinged for 180°, with water axis
- ø33 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
- Patent lock
- 4-piece frame for self-assembly
- marking: sign "Hydrant" 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
- identification number

## HYDRAULIC PROPERTIES

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

Diffused conical water stream – not less than 45 degree.

**hydrant valve 52 mm**

**ball valve 32 mm**

Flow rate /efficiency/	Pressure [MPa]	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:  $Q = K\sqrt{10P}$ , 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



### LASER-CUT PATTERN

On the door, using a laser cutter, we can cut any pattern, lettering or logo



### SAFETY GLASS

Door with matt or transparent glass. Any graphic can be used



### PLEXI WINDOW

Window in door protected by plexi



### INDIVIDUAL COLOR

Any color from RAL pallet



### NON-STANDARD DIMENSIONS

Possible to adopt dimensions to customer request



### 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



#### PATENT LOCK

Large quantity of cabinets can be opened with one key. The key for emergency opening is located behind the safety glass.



#### EURO LOCK

Twist lock adapted to put seal on.