INTERNAL HYDRANT DN33 – SIDE VERSION

Internal hydrant DN33 with 33 mm semi-rigid fire hose. Mounted on the wall (Z) or recessed (W). Holes for water connection are blanked. Working pressure from 0,2 to 0,7 MPa.

Hydrant weight: about 33 kg

Industry palette (120 x 100 x height up to 200 cm): 4 pcs.

HYDRANT DIMENSION:
Height: 750 mm
Width: 400 mm
Depth: 800 mm

RECESS DIMENSION:
Height: 770 mm
Width: 420 mm
Depth: 810 mm

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 180º
- hydrant in a suspended (Z) or recessed (W) version. Recessed version supplied with foldable flange
- 52 aluminum hydrant valve with slant reduction
- fire hose reel in RAL 3000 color, with water axis
- φ33 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
- marking: sign "Hydrant" according to PN-EN ISO 7010:2012 + information plate according to PN-EN 671-1
- documentation: instruction of assembly and maintenance, guarantee card
- identification number

Code	Type	Hose length	Lock	Supports/bases * [height x depth]	Number of supports/bases	Technical drawing	Instruction
S-33-ZB30-OFP-XXXX	mounted on the wall	30 m	Patent	S-C-PODSTAWA-700X400-OF	2 pcs.	PDF Adobe / .dwg	
S-33-ZB20-OFP-XXXX	mounted on the wall	20 m					
S-33-WB30-OFP-XXXX	mounted in a recess	30 m		S-C-PODSTAWA-700X400-OF	2 pcs.	PDF Adobe / .dwg	
S-33-WB20-OFP-XXXX	mounted in a recess	20 m					

XXXX – means a color from the RAL palette (red 3000 or white 9003)
* Bases or supports are additional equipment sold separately

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
Factor K		**75**	**64**	**76**	**64**
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

52 VALVE WITH SLANT REDUCTION

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

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

BALL VALVE 32 – OPTIONAL

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

BASES / SUPPORTS

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.