

INTERNAL HYDRANT DN33 MOUNTED ON THE WALL UNIVERSAL



Product symbol	Product code
PN-EN 671-1[Z-33/30]	S-33-Z30
PN-EN 671-1[Z-33/20]	S-33-Z20



Internal hydrant DN33 mounted on the wall with 33mm semi-rigid fire hose. Universal design: possible to connect to water supply as left or right side. Holes for water connection are blanked, enable to connect to water pipe 1" or 2", offers six possibilities of connections: from the side, rear and above. Working pressure from 0,2 to 0,7 MPa.

HYDRANT DIMENSION:

Height: 750 mm
Width: 800 mm
Depth: 250 mm

RECESS DIMENSION:

Height: n/a
Width: n/a
Depth: n/a

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
- utility model nr 62999
- utility model nr 64713



Standard design:

- hydrant cabinet GALVANIZED steel sheet lacquered epoxy-poliester facade powder paint in red (RAL 3000) or white (RAL 9003) color; thanks to cover hinge cabinet door are opening for 180°
- 52 aluminum hydrant valve with slant reduction
- fire hose reel in RAL 3000 color hinged for 180°, with brass water axis and brake for controlling the unwind force
- \varnothing 33mm 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
- 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.

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
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: $Q = \sqrt{10P}$, 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



INDIVIDUAL FRONT

Cabinet body is in red color, frame and door in any other color from RAL pallet. Front (door + frame) can be made also from stainless steel



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



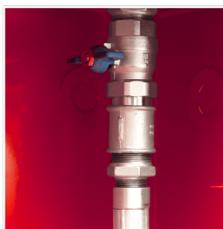
NOZZLE CRIMPING

- nozzle crimping with aluminum sleeve in standard
- nozzle crimping with brass sleeve



52 VALVE WITH SLANT REDUCTION

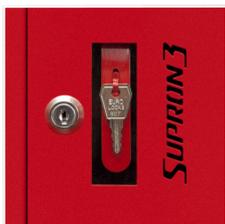
Hydrant can be connected to DN52 water supply due to 52 valve with slant reduction



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.



LOCK SET

Large quantity of cabinets can be opened with one key. Emergency opening is possible due to Euro lock located behind safety glass.



EURO LOCK

Twist lock adapted to put seal on.