# INTERNAL HYDRANT DN52 WITH ADDITIONAL HOSE MCP

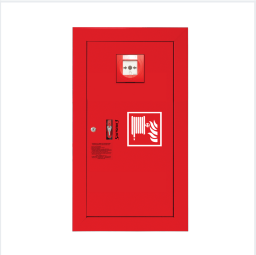
Internal hydrant DN52 with two φ52 mm lay-flat fire hoses in a cradle with place for fire alarm Manual Call Point – dimensions of the hole according to the customer's specification. Mounted on the wall (C) or recessed (B). Holes for water connection are blanked, possibility to connect from the side. Working pressure from 0,2 to 0,7 MPa.

**Hydrant weight:** about 18 kg

**Europallet** (120 x 80 x height up to 200 cm): 24 pcs.

**HYDRANT DIMENSION:**
Height: 720 mm
Width: 390 mm
Depth: 240 mm

**RECESS DIMENSION:**
Height: 740 mm
Width: 410 mm
Depth: 250 mm



## Standard design:

- hydrant cabinet STANDARD – 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
- place for fire alarm Manual Call Point – dimensions of the hole according to the customer's specification
- hydrant in a suspended (C) or recessed (B) version. Recessed version supplied with flange
- 52 hydrant valve
- hose support – cradle in RAL 3000 color
- two lay flat hoses φ52 mm 15 m or 20 m length according to PN-EN 14540:2005(U)
- hydrant nozzle type PWh-52 according to PN-EN-671-2, fixed connection to fire hose by crimping the nozzle with aluminum sleeve
- hose couplings crimped with aluminum sleeve
- Patent lock
- marking: sign "Hydrant" according to PN-EN ISO 7010:2012 + information plate according to PN-EN 671-2
- 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-52R-C240-240-P-XXXX | mounted on the wall | 2 x 20 m | Patent | S-C-PODSTAWA-PANTS-920X390x240 | 1 pc. | PDF Adobe | .dwg | |
| S-52R-C230-240-P-XXXX | mounted on the wall | 2 x 15 m | | | | | | |
| S-52R-B240-240-P–XXXX | mounted in a recess | 2 x 20 m | | S-C-PODPORA-PANTS-920X390x240 | 1 pc. | PDF Adobe | .dwg | |
| S-52R-B230-240-P-XXXX | mounted in a recess | 2 x 15 m | | | | | | |
| XXXX – means a color from the RAL palette (red 3000 or white 9003)<br>* 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.

| **Flow rate /efficiency/** | **Pressure [MPa]** | **Dispersed stream** | **Compact stream** |
|---|---|---|---|
| Equivalent diameter 13 mm | 0,2 | 172 l/min | 155 l/min |
| | 0,4 | 244 l/min | 220 l/min |
| | 0,6 | 299 l/min | 270 l/min |
| **Factor K** | – | **122** | **110** |
| Effective range of the water jet projection (plus the length of the hose 15 m or 20 m) | | | |
| Equivalent diameter 13 mm | 0,2 | 5,4 m | 10,8 m |
| | 0,4 | 8,1 m | 17,1 m |
| | 0,6 | 9,9 m | 19,8 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

**GALVANIZED STEEL SHEET**

Lacquered with **Facade** type polyester facade paint. Solution resistant to atmospheric condition and UV radiation

**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

**NOZZLE CONNECTION WITH HOSE**

- nozzle crimping with sleeve
- nozzle connected with adapter

**52 HYDRANT VALVE**

- 52 aluminum valve in standard
- 52 brass valve with aluminum adapter

**BASES / SUPPORTS**

PPUH SUPRON 3 Sp. z o.o.
Poland
26-600 Radom, Sadownicza 6

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SWIFT INGBPLPW

IBAN PL 17 1050 1793 1000 0024 0216 9680

*We created for Your safety !*

## 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.