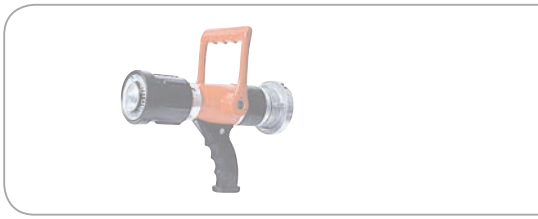
PAVLIŠ HARTMANN

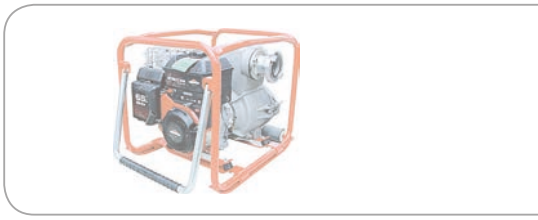
PAVLIŠ A HARTMANN

FIRE-FIGHTING EQUIPMENT PRODUCTION

CERTIFICATED 14001:2004 CERTIFICATED

CERTIFICATED 9001:2001 CERTIFICATED





PRODUCT CATALOGUE

- Hydrant systems D19/D25/D33
- Hydrant cabinets
- Key boxes

Contents:

CAUTION:

The hydrant systems manufactured by Pavlis a Hartmann are designed for frost-free indoor environments.

HYDRANT SYSTEM WITH PH PLUS SEMI-RIGID HOSE

Pavlis a Hartmann expanded their product range by new-type hydrant systems with **PH Plus** semi-rigid hose.

The systems are in compliance with the CSN EN 671-1 standard. The cabinets show excellent rigidity, stability and new design. Apart from the basic colours – red, white and anthracite, we can also provide another colour designs to the customer´s requirements.

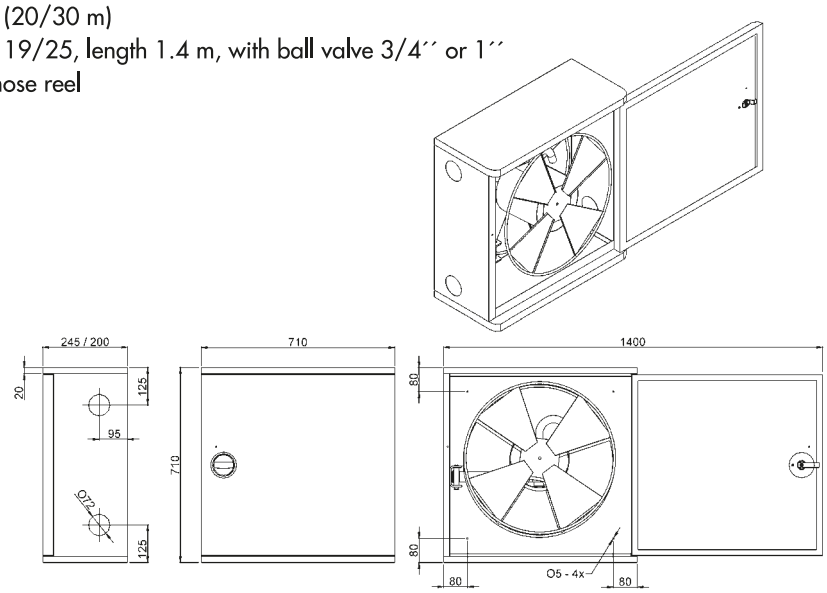
HYDRANT SYSTEMS WITH D 19 SEMI-RIGID HOSE

Dimensions	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
710 x 710 x 200	solid	30 m of D 19	equiv. 6	**svv 500**
710 x 710 x 200	solid	20 m of D 19	equiv. 6	**svv 501**
710 x 710 x 200	glass-panelled	20 m of D 19	equiv. 6	**svv 502**
710 x 710 x 200	glass-panelled	30 m of D 19	equiv. 6	**svv 503**

HYDRANT SYSTEMS WITH D 25 SEMI-RIGID HOSE

Dimensions	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
710 x 710 x 245	solid	30 m of D 25	equiv. 10	**svv 504**
710 x 710 x 245	solid	20 m of D 25	equiv. 10	**svv 505**
710 x 710 x 245	glass-panelled	30 m of D 25	equiv. 10	**svv 506**
710 x 710 x 245	glass-panelled	20 m of D 25	equiv. 10	**svv 507**
710 x 710 x 245	solid	30 m of D 25	equiv. 6	**svv 508**
710 x 710 x 245	solid	20 m of D 25	equiv. 6	**svv 509**
710 x 710 x 245	glass-panelled	30 m of D 25	equiv. 6	**svv 510**
710 x 710 x 245	glass-panelled	20 m of D 25	equiv. 6	**svv 511**

The system includes:
- D 25 fire nozzle (with equivalent 6 or 10 millimetres) - equiv. 6mm - flow rate Q < 1.1 L/sec; equiv. 10mm - flow rate Q > 1.1 L/sec
- D 19 or D 25 hose (20/30 m)
- Connection hose D 19/25, length 1.4 m, with ball valve 3/4´´ or 1´´
- Steel cabinet with hose reel



HYDRANT SYSTEM WITH PH PLUS SEMI-RIGID HOSE

- Attractive design
- Suitable for modern interiors
- Tradition-based quality workmanship

HYDRANT SYSTEMS WITH SEMI-RIGID HOSE

APPROVED TO CSN 73 0873 AND CSN EN 671-1
UNIVERSAL DESIGN – CAN BE SURFACE-MOUNTED OR RECESS-MOUNTED

Fire hydrant system with semi-rigid hose is a very effective fire-fighting facility with an uninterrupted supply of water which is available immediately. The design of the system allows quick operation by a single person.

The system includes:

1. Hydrant cabinet – made of steel sheet.
   Pressurized water supply brought through the centre of the reel, enabling immediate use of the system.
   Surface treatment – textured powder coating designed for indoor environment (outdoor design possible by agreement with the manufacturer).
   Solid or glass-panelled door.
2. PH – stabil D semi-rigid hose of 19 or 25 mm inner diameter.
3. Nickel-plated brass ball valve
4. D 25 spray fire nozzle consisting of a polypropylene body and revolving head.
   The revolving head enables the user to set a full or spray stream with an adjustable spraying angle within the range 0 – 110° and to shut off the nozzle.
5. Connection hose used to connect the system to water main.

Dimensions:

Hydrant system with D 25 mm semi-rigid hose

650 x 650 x 285 mm – 20 or 30-m hose can be used
650 x 650 x 210 mm – only 20-m hose can be used
710 x 710 x 245 mm – 20 or 30-m hose can be used

Nozzle options: equiv. 6 mm diam. – flow rate Q < 1.1 L/sec
equiv. 10 mm diam. – flow rate Q > 1.1 L/sec

Hydrant system with D 25 mm - KOMBI semi-rigid hose

Hydrant system with a cabinet for fire extinguisher.
950 x 650 x 285 mm – 20 or 30-m hose can be used

Nozzle options: equiv. 6 mm diam. – flow rate Q < 1.1 L/sec
equiv. 10 mm diam. – flow rate Q > 1.1 L/sec

Hydrant system with D 19 mm semi-rigid hose

650 x 650 x 175 mm – 20 or 30-m hose can be used
710 x 710 x 135 mm – only 20-m hose can be used

Only fire nozzle with 6 mm equiv. diam. is used – flow rate Q < 1.1 L/sec

System installation:

When selecting a specific type of equipment, systems with at least 25 mm hose (internal diameter) are to be installed especially in the following areas:

a) Fire sections in production facilities (according to CSN 73 0804) and warehouses (according to CSN 73 0845)

b) Fire sections (buildings) where the linear speed of fire propagation is v_1 > 1.2 m/min; values of v1 can be used without additional certificates (according to CSN 73 0873)

c) In buildings or their parts designed as:

1. Indoor meeting areas according to CSN 73 0831, Annex B, Table B.1
2. Accommodation buildings of OB 4 group (according to CSN 73 0833)
3. Retail outlets and distribution depots
4. Multiple garages
5. Exhibition grounds
6. Film, TV and radio studios
7. Stages, backstage areas, scene-docks
8. Fire sections on underground floors with more than 10 persons present according to CSN 73 0818
9. Fire sections with high fire load (p > 120 kg/m^2)

In other relevant cases, it is sufficient to install hose systems using 19 mm (nominal internal diameter) hose at least.

The hose reel systems are to be installed at a height betw. 1.1 m and 1.3 m above the floor (measured to the centre of equipment). Their position should allow easy reach and it should be possible to open the door up to 180°. For the installation it is necessary to provide sufficient water supply so that a minimum overpressure of 0.2 MPa is guaranteed in the least favourable place.

Application:
After opening the cabinet and checking that the nozzle is shut off, open the ball valve on the inlet (the system fills with water). Unwind the required length of hose from the reel up to the place of fire and turn the head of the nozzle to adjust the required shape of water stream.

Inspection of hydrant system is to be undertaken by a trained person in accordance with applicable standards and regulations.

HYDRANT SYSTEMS WITH SEMI-RIGID HOSE

HYDRANT SYSTEMS WITH D 19 SEMI-RIGID HOSE

Dimensions	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
650 x 650 x 175	solid	20 m of D 19	equiv. 6	**svv 101 /**
650 x 650 x 175	solid	30 m of D 19	equiv. 6	**svv 102 /**
710 x 710 x 135	solid	20 m of D 19	equiv. 6	**svv 110 /**
650 x 650 x 175	glass panelled	20 m of D 19	equiv. 6	**svv 103 /**
650 x 650 x 175	glass panelled	30 m of D 19	equiv. 6	**svv 104 /**
710 x 710 x 135	glass panelled	20 m of D 19	equiv. 6	**svv 111 /**

HYDRANT SYSTEMS WITH D 25 SEMI-RIGID HOSE

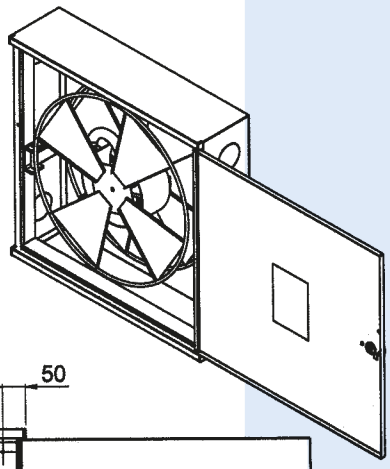
Dimensions	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
650 x 650 x 285	solid	20 m of D 25	equiv. 10	**svv 002 /**
650 x 650 x 285	solid	30 m of D 25	equiv. 10	**svv 004 /**
650 x 650 x 285	solid	20 m of D 25	equiv. 6	**svv 001 /**
650 x 650 x 285	solid	30 m of D 25	equiv. 6	**svv 003 /**
650 x 650 x 210	solid	20 m of D 25	equiv. 6	**svv 005 /**
650 x 650 x 210	solid	20 m of D 25	equiv. 10	**svv 006 /**
710 x 710 x 245	solid	30 m of D 25	equiv. 6	**svv 016 /**
710 x 710 x 245	solid	30 m of D 25	equiv. 10	**svv 010 /**
650 x 650 x 285	glass panelled	20 m of D 25	equiv. 10	**svv 011 /**
650 x 650 x 285	galss panelled	30 m of D 25	equiv. 10	**svv 012 /**
650 x 650 x 285	glass panelled	20 m of D 25	equiv. 6	**svv 027 /**
650 x 650 x 285	glass panelled	30 m of D 25	equiv. 6	**svv 029 /**
650 x 650 x 210	glass panelled	20 m of D 25	equiv. 6	**svv 051 /**
650 x 650 x 210	glass panelled	20 m of D 25	equiv. 10	**svv 007 /**
710 x 710 x 245	glass panelled	30 m of D 25	equiv. 6	**svv 052 /**
710 x 710 x 245	glass panelled	30 m of D 25	equiv. 10	**svv 008 /**

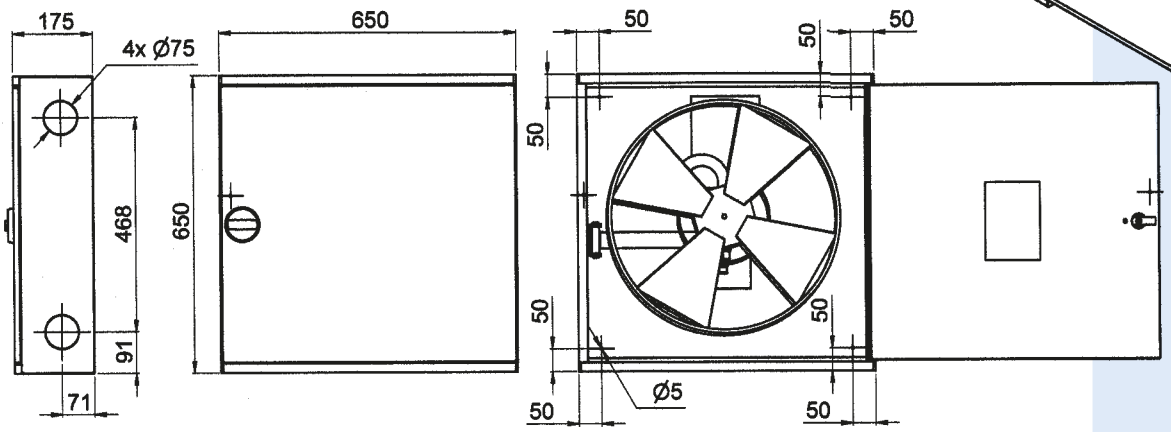
HYDRANT SYSTEM WITH D 19 SEMI-RIGID HOSE (W 650 x H 650 x D 175 mm)

Approved to CSN EN 671-1

The system includes:

- D 25 fire nozzle, equiv. 6 mm – flow rate Q < 1.1 L/sec
- 20 or 30 m of D 19 hose
- Connection hose D 19, length 1.4 m, with ball valve 3/4´´
- Steel cabinet with hose reel

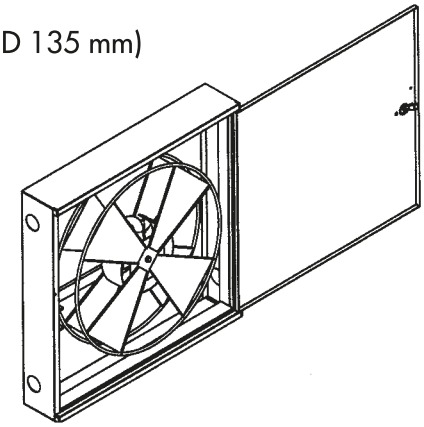


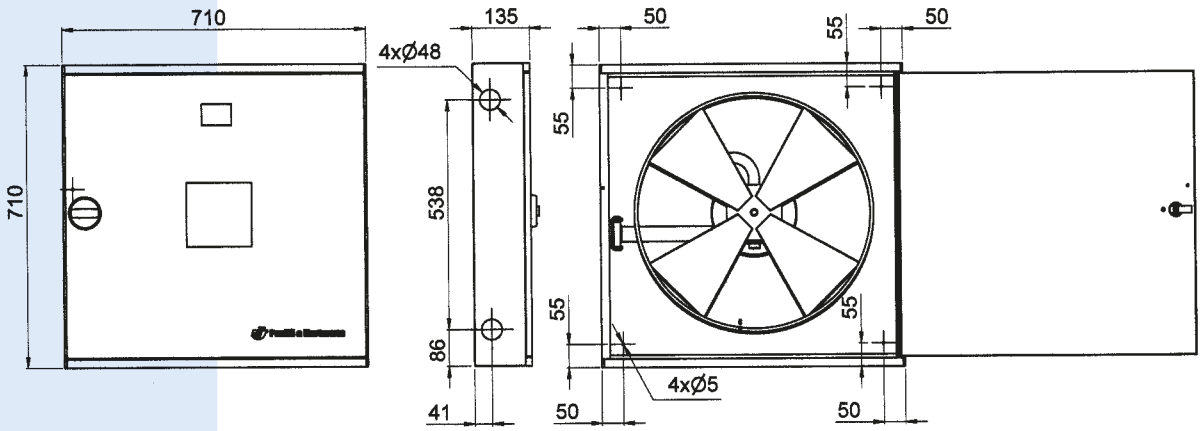


HYDRANT SYSTEM WITH D 19 SEMI-RIGID HOSE (W 710 x H 710 x D 135 mm)
Approved to CSN EN 671-1

The system includes:

- D 25 fire nozzle, equiv. 6 mm – flow rate Q < 1.1 L/sec
- only D 19 hose, length 20 m
- Connection hose D 19, length 1.4 m, with ball valve 3/4´´
- Steel cabinet with hose reel

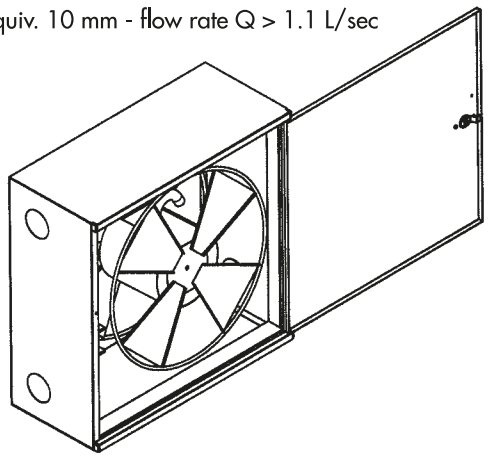


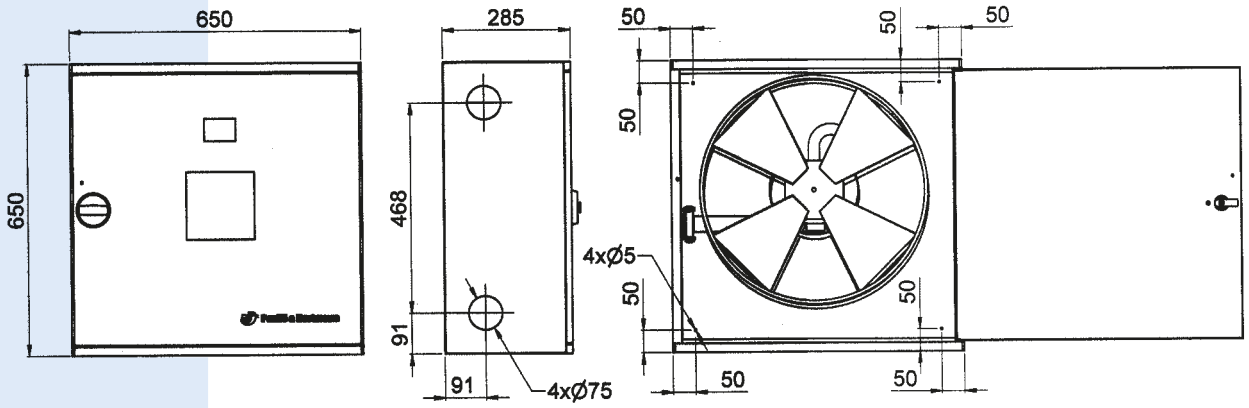


HYDRANT SYSTEM WITH D 25 SEMI-RIGID HOSE (W 650 x H 650 x D 285 mm)
Approved to CSN EN 671-1

The system includes:

- D 25 fire nozzle, equiv. 6 mm – flow rate Q < 1.1 L/sec; equiv. 10 mm - flow rate Q > 1.1 L/sec
- D 25 hose, length 20 m or 30 m
- Connection hose D 25, length 1.4 m, with ball valve 3/4´´
- Steel cabinet with hose reel

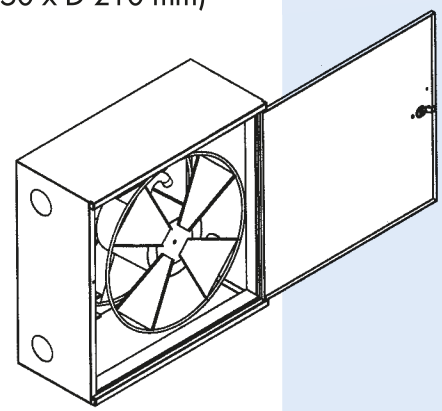


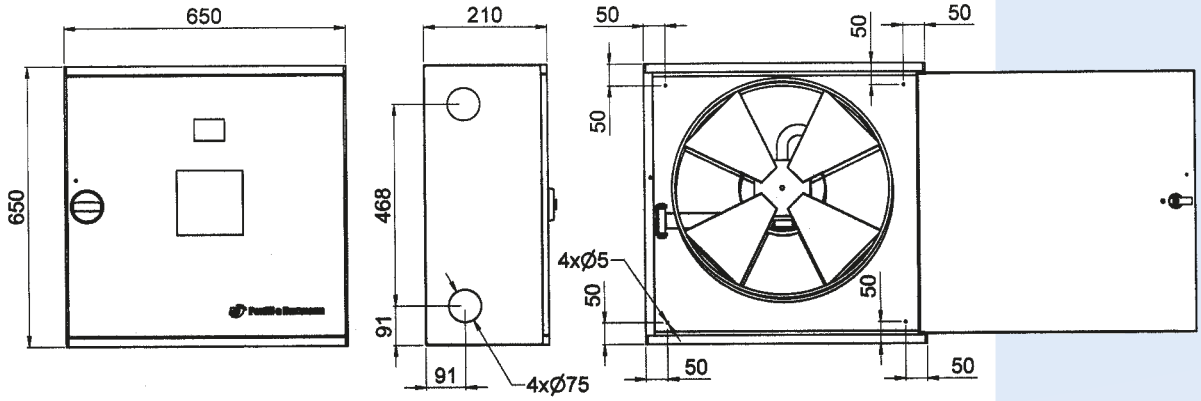


HYDRANT SYSTEM WITH D 25 SEMI-RIGID HOSE (W 650 x H 650 x D 210 mm)
Approved to CSN EN 671-1

The system includes:

- D 25 fire nozzle, equiv. 6 mm – flow rate Q < 1.1 L/sec
- or equiv. 10 mm – flow rate Q > 1.1 L/sec
- D 25 hose, only 20 m length
- Connection hose D 25, length 1.4 m, with ball valve 1´´
- Steel cabinet with hose reel

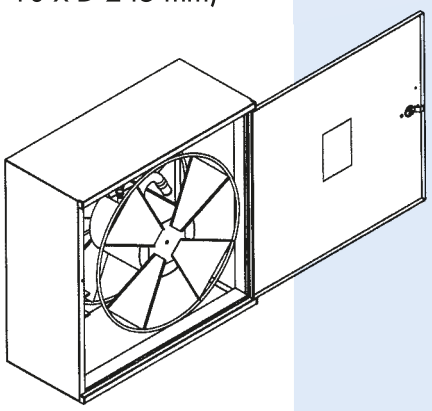


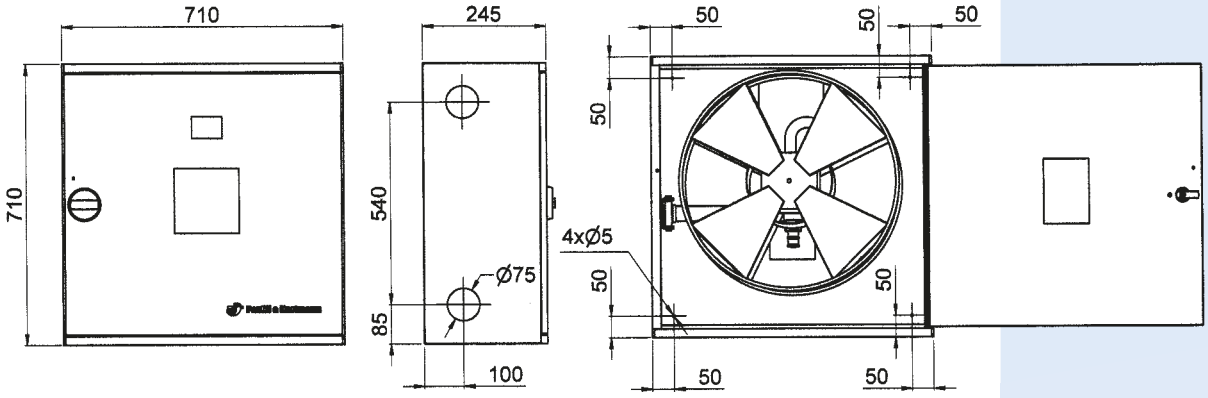


HYDRANT SYSTEM WITH D 25 SEMI-RIGID HOSE (W 710 x H 710 x D 245 mm)
Approved to CSN EN 671-1

The system includes:

- D 25 fire nozzle, equiv. 6 mm – flow rate Q < 1.1 L/sec
- or equiv. 10 mm - flow rate Q > 1.1 L/sec
- D 25 hose, length 20 m or 30 m
- Connection hose D 25, length 1.4 m, with ball valve 1´´
- Steel cabinet with hose reel



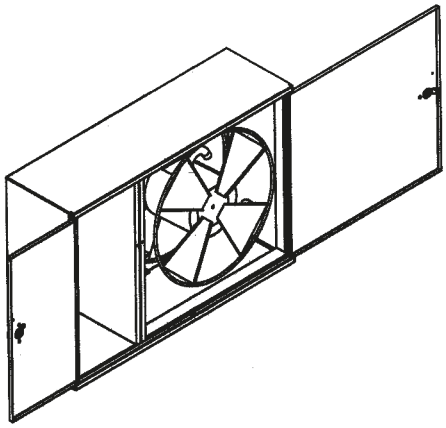


HYDRANT SYSTEM WITH A CABINET FOR FIRE EXTINGUISHER

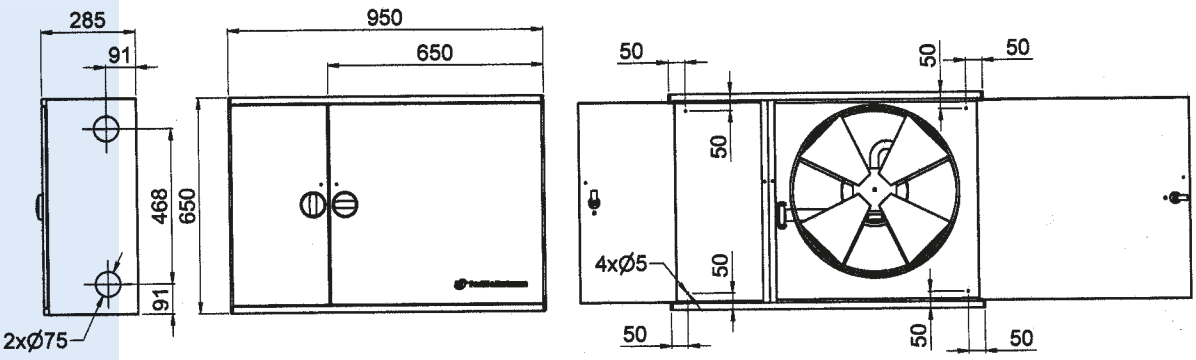
HYDRANT SYSTEM WITH D 25 SEMI-RIGID HOSE – KOMBI (W 950 x H 650 x D 285 mm)
Hydrant system with a cabinet for fire extinguisher.

The system includes:

- D 25 fire nozzle, equivalent 6mm – flow rate Q < 1.1 L/sec
- or equivalent 10mm – flow rate Q > 1.1 L/sec
- D 25 hose of 20 or 30m length.
- D 25 connection hose of 1.4m length with 1″ ball valve
- Steel cabinet with a reel.



Dimension	*Door*	*Hose*	*Fire nozzle*	*Cat. No./ colour*
950 x 650 x 285	solid	D 25 - 20 bm	ekv. 6	**skvvd 009**
950 x 650 x 285	solid	D 25 - 20 bm	ekv. 10	**skvvd 009**
950 x 650 x 285	solid	D 25 - 30 bm	ekv. 6	**skvvd 004**
950 x 650 x 285	solid	D 25 - 30 bm	ekv. 10	**skvvd 004**



RECESS MOUNTED HYDRANT SYSTEM

Recess mounted hydrant system consists of the same parts as the system with a box, only the box is replaced with a frame made of hollow square sections. This frame is used to fix the reel arm and the door with a revolving lock with a possibility of attaching a seal.

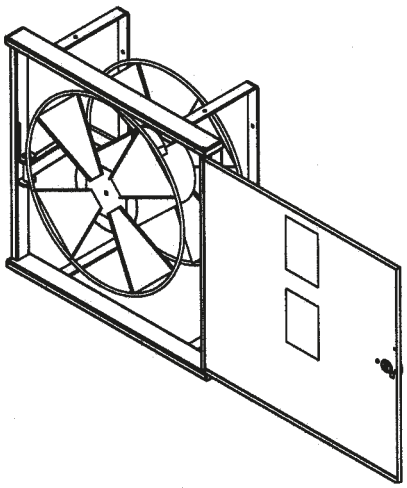
The frame is fitted with two anchors with holes to fix the frame to the wall or plaster board using dowels and installation foam. Drainage of the cabinet is to be made by an installation company through an opening of approx. 2x2 cm in the wall under the bottom edge of the frame.

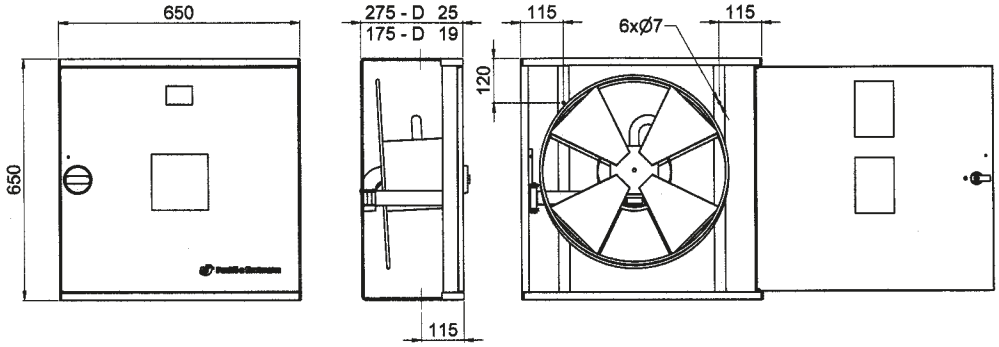
This system offers the advantage of better access when connecting to water mains, longer service life and higher stiffness of the frame. The other data are consistent with the previous design.

RECESS MOUNTED HYDRANT SYSTEMS

Approved to CSN 73 0873 and CSN EN 671-1

Door	*Hose*	*Fire nozzle*	*Cat. no./colour*
solid	30 m of D 19	equiv. 6	**svv 210 /**
solid	20 m of D 19	equiv. 6	**svv 211 /**
glass panelled	30 m of D 19	equiv. 6	**svv 212 /**
glass panelled	20 m of D 19	equiv. 6	**svv 213 /**
solid	30 m of D 25	equiv. 10	**svv 201 /**
solid	20 m of D 25	equiv. 10	**svv 200 /**
solid	30 m of D 25	equiv. 6	**svv 202 /**
solid	20 m of D 25	equiv. 6	**svv 203 /**
glass panelled	30 m of D 25	equiv. 10	**svv 204 /**
glass panelled	20 m of D 25	equiv. 10	**svv 205 /**
glass panelled	30 m of D 25	equiv. 6	**svv 206 /**
glass panelled	20 m of D 25	equiv. 6	**svv 207 /**





HYDRANT SYSTEM with stainless steel door

Recess mounted design only

solid

glass-panelled

Due to surface treatment by bead blasting, the Hydrant System should not be situated in aggressive environment such as chemical operations, swimming pools etc.

HYDRANT SYSTEM with stainless steel door

HYDRANT SYSTEMS with semi-rigid hose

Approved to CSN 73 0873 and CSN EN 671-1 - recess mounted version, stainless steel door including frame

Frame and door material	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
stainless steel sheet	solid	30 m of D 25	equiv. 10	**svv 013**
stainless steel sheet	solid	20 m of D 25	equiv. 10	**svv 026**
stainless steel sheet	solid	30 m of D 25	equiv. 6	**svv 060**
stainless steel sheet	solid	20 m of D 25	equiv. 6	**svv 061**
stainless steel sheet	glass panelled	30 m of D 25	equiv. 10	**svv 062**
stainless steel sheet	glass panelled	20 m of D 25	equiv. 10	**svv 063**
stainless steel sheet	glass panelled	30 m of D 25	equiv. 6	**svv 064**
stainless steel sheet	glass panelled	20 m of D 25	equiv. 6	**svv 065**
stainless steel sheet	solid	20 m of D 19	equiv. 6	**svv 106**
stainless steel sheet	solid	30 m of D 19	equiv. 6	**svv 108**
stainless steel sheet	glass panelled	20 m of D 19	equiv. 6	**svv 115**
stainless steel sheet	glass panelled	30 m of D 19	equiv. 6	**svv 116**

HYDRANT SYSTEM

All-stainless-steel

Surface mounted design only

Due to surface treatment by bead blasting, the Hydrant System should not be situated in aggressive environment such as chemical operations, swimming pools etc.

HYDRANT SYSTEMS 650 X 650 X 285 with D 25 semi-rigid hose

approved to CSN 730873 and ČSN EN 671-1 - surface mounted design

Cabinet material	*Door*	*Hose*	*Fire nozzle*	*Cat. No.*
stainless steel sheet	solid	30 m of D 25	equiv. 10	**svv 030**
stainless steel sheet	solid	20 m of D 25	equiv. 10	**svv 033**
stainless steel sheet	solid	30 m of D 25	equiv. 6	**svv 053**
stainless steel sheet	solid	20 m of D 25	equiv. 6	**svv 054**
stainless steel sheet	glass panelled	30 m of D 25	equiv. 10	**svv 055**
stainless steel sheet	glass panelled	20 m of D 25	equiv. 10	**svv 056**
stainless steel sheet	glass panelled	30 m of D 25	equiv. 6	**svv 057**
stainless steel sheet	glass panelled	20 m of D 25	equiv. 6	**svv 058**

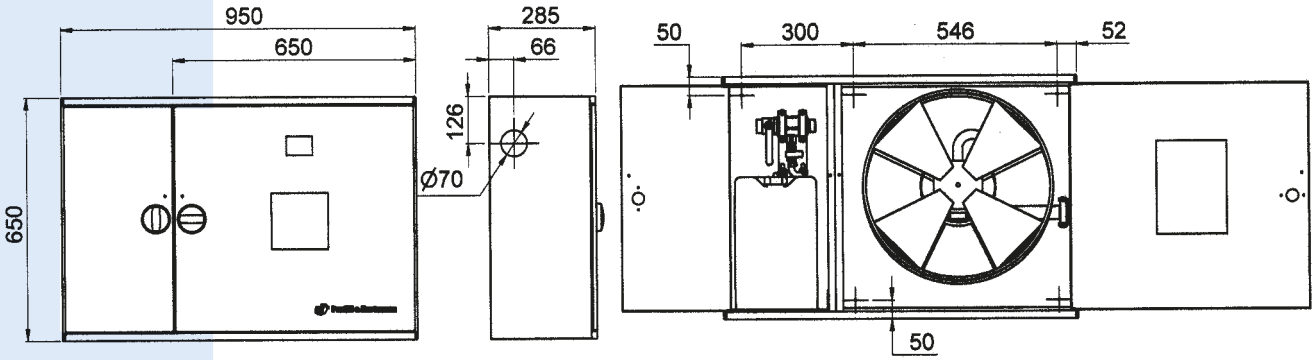
HYDRANT FOAM SYSTEM with D 25 semi-rigid hose

UNIVERSAL DESIGN

Hydrant foam system with D 25 semi-rigid hose is yet another of the certified fire fighting systems produced and marketed by Pavlis a Hartmann. This product diversifies the complete line of D 19, 25 and 33 hydrant systems with semi-rigid hose with the first already certified type of foam-inducing system. The system uses an admixer and a foam inducing nozzle developed by our engineers in the Pavlis a Hartmann design centre.

The system includes:
- Steel cabinet with reel (W 950 x H 650 x D 285)
- D 25 admixer for HS application with G1″ ball valve
- D 25 connecting hose 1.4 m long
- D 25 hose maximum length of 30 m
- Tank with foamer (15 L)
- Fire foam inducing nozzle for heavy foam with a ball valve
- Suction hose with a stainless steel tube

The drawing illustrates LEFT-hand design (water inlet from the left). RIGHT-hand design is available as well (water inlet from the right).



Application:

The hydrant foam inducing system is designed for initial extinguishing using heavy foam. The amount of the foamer will last for the period of 7 minutes at least. The system is normally equipped with the jet for the application of 3% foamer which is included in the delivery.

The tank with foamer can only be opened in the case of action. Otherwise there is a danger of foamer degradation. The equipment can also be used for extinguishing with water. In such a case, the suction valve of the admixer must be kept closed. After each action with the use of foamer, the whole system is to be flushed with clean water by removing the suction stainless-steel tube from the tank with foamer and inserting it in a tank with clean water. Then open the suction valve of the admixer and flush the whole system thoroughly.

Water – foamer 3% (accuracy of admixing approved to CSN EN 13565-1, Section 7; 2.5 mm orifice)					
Pressure (MPa)	0.2	0.3	0.4	0.5	0.6
Flow rate (L/min)	37.3	43.6	48.6	53.3	57.6
Discharge range (m)	7	8	9	10	10
Suction (g)	1150	1400	1600	1750	1750
% of admixing	3	3.2	3.2	3.2	3

Specifications of quality parameters of foam (under CSN EN 1568-3)
Foaming number is 3.7 – 6.4 at pressure 0.2 – 0.4 MPa.

Description of the system:

The hydrant foam inducing system includes a reel with D 25 semi-rigid hose of max. 30 m on a swinging arm installed in a cabinet, 1.4 m connecting hose of the same diameter, D 25 fire nozzle for heavy foam, admixer with the main ball valve and a 15-litre tank with foamer.

The nozzle (equiv. to 7) consists of the body made of light weight alloy with holes for air suction and plastic coating for safety grip and protection against cold, and a D 25 lever-operated ball valve with connecting thread of 1". The positions are marked with arrows and symbols ON-OFF.

The admixer is installed before the reel. It consists of a body with diffuser of brass, a 3/8" ball valve of the foamer suction system with a replaceable jet and suction hose ended with a stainless steel tube. In case of an action, this tube is inserted into the tank with foamer located in the cabinet.

At the inlet, the admixer is fitted with a D 25 ON-OFF ball valve and at the outlet with a male thread G 1" to which the connecting hose is fastened. The direction of water flow is marked with an arrow on the admixer body.

The cabinet is made of sheet steel with textured RAL 3000 (red) tint powder coated surface.
Cabinet dimensions are 950 x 650 x 285 mm. It is divided into two parts. One part contains the reel with hose and the nozzle and the other part houses the admixing equipment and a 15-litre foamer tank. Two variants of the system are available. The left hand version has the water inlet and tank in the left hand part of the box while the right hand version has these on the right hand side. The closing system is fitted with a plastic lock allowing the application of a seal. The cabinet is designed for indoor environment.

Installation of the system is similar to that of the other fire hydrant systems manufactured by Pavlis a Hartmann.

THE EQUIPMENT IS DESIGNED FOR FROST-FREE INDOOR ENVIRONMENT.

HYDRANT FOAM SYSTEM with D 25 semi-rigid hose

approved under CSN EN 671-1 – surface mounted design

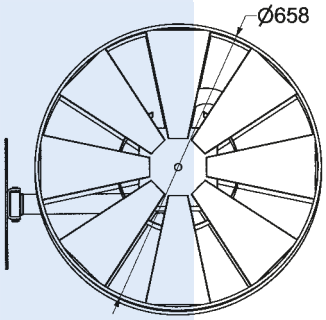
Dimension	*Door*	*Hose*	*Fire nozzle*	*Cat. No./ colour*
950 x 650 x 285	solid	20 m of D 25	foam-inducing	**svv 302 /**
950 x 650 x 285	solid	30 m of D 25	foam-inducing	**svv 301 /**

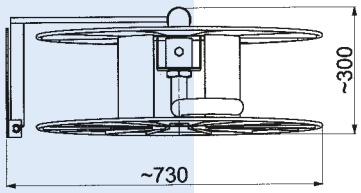
HYDRANT SYSTEM with D 33 semi-rigid hose

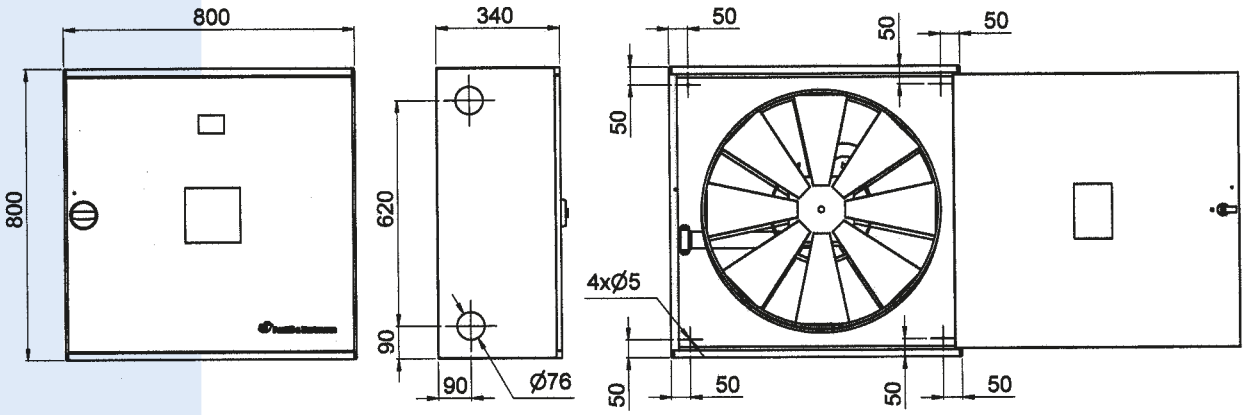
Pavlis a Hartmann has developed and launched a newly certified fire hydrant system with D 33 semi-rigid hose. This product supplements the line of hydrant systems with the type with the highest output – up to 200 L/min. under the 671-1 standard.

The manufacturing programme of Pavlis a Hartmann now includes all three types of the hydrant systems with D 19, 25 and 33 semi-rigid hose specified in the 671-1 standard, for which EC certificates have been issued.

The system includes:
- Tajfun Turbo fire nozzle equivalent to 13 mm
- D 33 hose up to 30 m long
- D 33 connecting hose, 1.4 m long with 5/4" ball valve
- Steel cabinet with reel (800 x 800 x 340 mm)
- Can be installed without cabinet, with bracket







The hose reel with D 33 hose is especially suitable where large amount of water is required - refer to the table.

Pressure (MPa)	*0.2 MPa*	*0.4 MPa*	*0.6 MPa*
Type of stream		Flow rate (L/min)	
Jet	113.5	162.2	200
Spray	115	163.2	200
Type of stream		Maximum throw distance (m)	
Jet	15	24	30
Spray	9	9	10

Manufacturer: Pavlis a Hartmann, spol. s r.o., V Telcicich 249, 533 12 Chvaletice
Fire hydrant system with a semi-rigid hose represents a very efficient fire extinguishing system with uninterrupted water supply, which is available immediately. This system can be operated by a single person.

Description of the system:

The fire hose reel is designed as a swinging hose reel with manual control. The whole system is inserted into a metal cabinet designed for surface or recess mounting. To facilitate water supply into the system, the cabinet is equipped with two knock-out holes at the top and bottom of both side walls of the cabinet (standard cabinet dimension – 800 x 800 x 340 mm).

The hose reel is installed on a swinging arm. It is made of two side discs and 8 mm wire. Standard reel dimensions are 658 mm in diameter and 216 mm wide.

The D 33 Semi-rigid fire hose is manufactured by Pavlis a Hartmann under the trade name PH-hydrant-D-stabil D 33; certificate No. 221/032/2005. Maximum hose length is 30 m.

Tajfun Turbo spray nozzle (equivalent to 13 mm) with revolving head made by Pavlis a Hartmann was approved and certified under No. 221/0002/1999.

Manually controlled inlet valve of the "quick-open" type is a ball valve marked with 1 1/4" PN 30 D 32.

The hydrant reel can be installed on the wall independently without cabinet using a steel bracket, or the arm holder can be welded onto a steel structure.

We recommend installing the steel bracket on the wall with 4 steel screws of min. 8 mm diameter.

Hose systems are to be installed at the height of 1.1 to 1.3 m above the floor (measured to the centre of equipment).

THIS EQUIPMENT IS DESIGNED FOR FROST-FREE INDOOR AREAS.

HYDRANT SYSTEM with D 33 semi-rigid hose

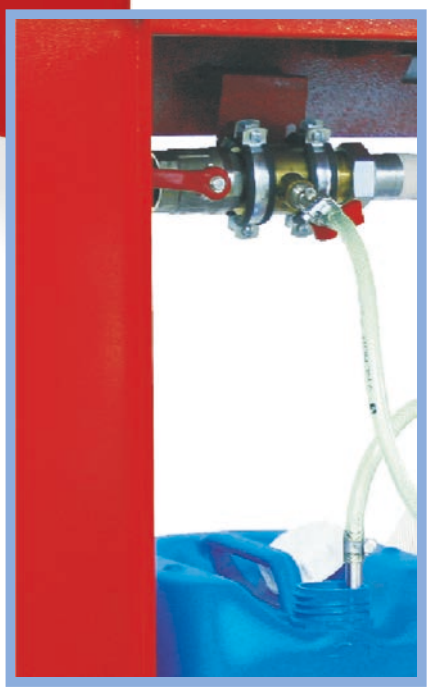
approved to CSN 730873 and CSN EN 671-1

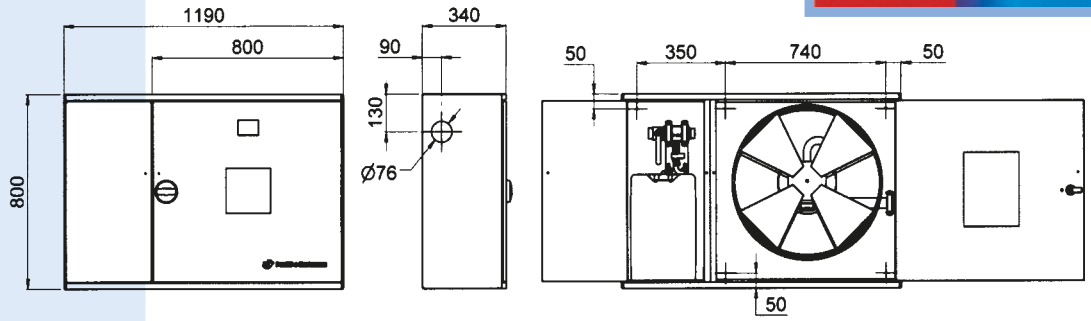
Dimensions	*Door*	*Hose*	*Fire nozzle*	*Design*	*Cat. No./colour*
800 x 800 x 340	solid	30 m of D 33	equiv. 13	in cabinet	**svv 080 /**
800 x 800 x 340	solid	20 m of D 33	equiv. 13	in cabinet	**svv 081 /**
		30 m of D 33	equiv. 13	reel with bracket	**nvv 080 /**
		20 m of D 33	equiv. 13	reel with bracket	**nvv 081 /**

HYDRANT FOAM SYSTEM with D 33 semi-rigid hose

Hydrant foam system with D 33 semi-rigid hose is yet another of the certified fire fighting systems produced and marketed by Pavlis a Hartmann. This product diversifies the complete line of D 19, 25 33 and foam inducing D 25 hydrant systems with semi-rigid hose with the second already certified type of foam-inducing system. The system uses an admixer and a foam inducing nozzle developed by our engineers in the Pavlis a Hartmann design centre.

The system includes:
- Steel cabinet with reel (W 1190 x H 800 x D 340
- D 33 admixer for HS application with a ball valve
- D 33 connecting hose 1.4 m long
- D 33 hose maximum length of 30 m
- Tank with foamer (20 L)
- Fire foam inducing nozzle for heavy foam with a ball valve
- Suction hose with a stainless steel tube





The drawing illustrates LEFT-hand design (water inlet from the left). RIGHT-hand design is available as well (water inlet from the right).

The hydrant foam inducing system is designed for initial extinguishing using heavy foam. The amount of the foamer will last for the period of 7 minutes at least. The system is normally equipped with the jet for the application of 1% foamer which is included in the delivery.

The tank with foamer can only be opened in the case of action. Otherwise there is a danger of foamer degradation. The equipment can also be used for extinguishing with water. In such a case, the suction valve of the admixer must be kept closed. After each action with the use of foamer, the whole system is to be flushed with clean water by removing the suction stainless-steel tube from the tank with foamer and inserting it in a tank with clean water. Then open the suction valve of the admixer and flush the whole system thoroughly.

Water – foamer 1% (accuracy of admixing approved to CSN EN 13565-1, Section 7)					
Pressure (MPa)	0.4	0.6	0.8	1.0	1.2
Flow rate (L/min	92	112	129	142	156
Discharge range (m)	8.5	12.5	14	16	18
Suction (g)	1300	1600	1700	1640	1900
% of admixing	1.4	1.4	1.3	1.15	1.2

SSpecifications of quality parameters of foam (under CSN EN 1568-3)
Foaming number is 6.1 – 6.8 at pressure 0.4 – 1.0 MPa.

Manufacturer: Pavlis a Hartmann, spol. s r.o., V Telcicich 249, 533 12 Chvaletice
Fire hydrant system with a semi-rigid hose represents a very efficient fire extinguishing system with uninterrupted water supply, which is available immediately. This system can be operated by a single person.

Description of the system:

The hydrant foam inducing system includes a reel with D 33 semi-rigid hose of max. 30 m on a swinging arm installed in a cabinet, 1.4-m connecting hose of the same diameter, a D 33 fire nozzle for heavy foam, an admixer with the main ball valve and a 20-litre tank with foamer.

The nozzle (equiv. to 10) consists of the body made of light weight alloy with holes for air suction and plastic coating for safety grip and protection against cold, and a D 33 lever-operated ball valve with connecting thread G 1 1/4".

The positions are marked with arrows and symbols ON-OFF.

The admixer is fitted before the reel. It consists of a body with diffuser of brass, a 3/8" ball valve of the foamer suction system with a replaceable jet and suction hose ended with a stainless tube. In case of an action, this tube is inserted into the tank with foamer located in the cabinet.

At the inlet, the admixer is fitted with a D 33 ON-OFF ball valve and at the outlet with male thread G 1 1/4" to which the connecting hose is fastened. The direction of water flow is marked with an arrow on the admixer body.

The cabinet is made of sheet steel with textured RAL 3000 tint powder coated surface. Cabinet dimensions are 1190 x 800 x 340 mm. It is divided into two parts. One part contains the reel with hose and the nozzle and the other part houses the admixing equipment and a 20-litre foamer tank. Two variants of the system are available. The left hand version has the water inlet and tank in the left hand part of the box while the right hand version has these on the right-hand side. The closing system isfitted with a plastic lock allowing the application of a seal. The cabinet is designed for indoor environment.

Installation of the system is similar to that of the other fire hydrant systems manufactured by Pavlis a Hartmann.

THIS EQUIPMENT IS DESIGNED FOR FROST-FREE INDOOR AREAS

HYDRANT FOAM SYSTEM with D 33 semi-rigid hose

approved under CSN EN 671-1 – surface mounted design

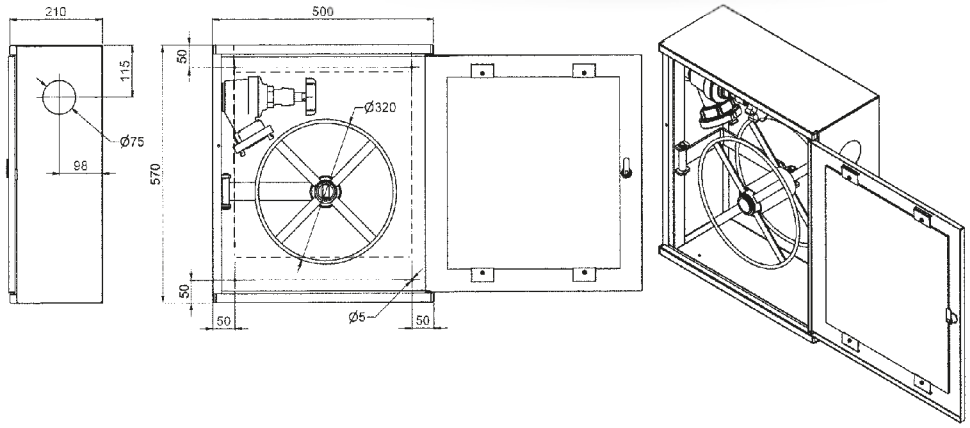
Dimensions	*Door*	*Hose*	*Fire nozzle*	*Cat. No./colour*
1190 x 800 x 340	solid	20 m of D 33	Foam-inducing	**svv 310 /**
1190 x 800 x 340	solid	30 m of D 33	Foam-inducing	**svv 311 /**

HYDRANT SYSTEMS WITH C 52 LAY-FLAT HOSE

It can be connected to the supply piping of D 2" or larger.

The system includes:
- TAJFUN - TURBO C 52 fire nozzle
- 20 m of C 52 hose
- Al C 52 wall mounted hydrant
- Steel cabinet (W 500 x H 570 x D 210)
- Hose reel

Catalogue Number: **ksc 002**

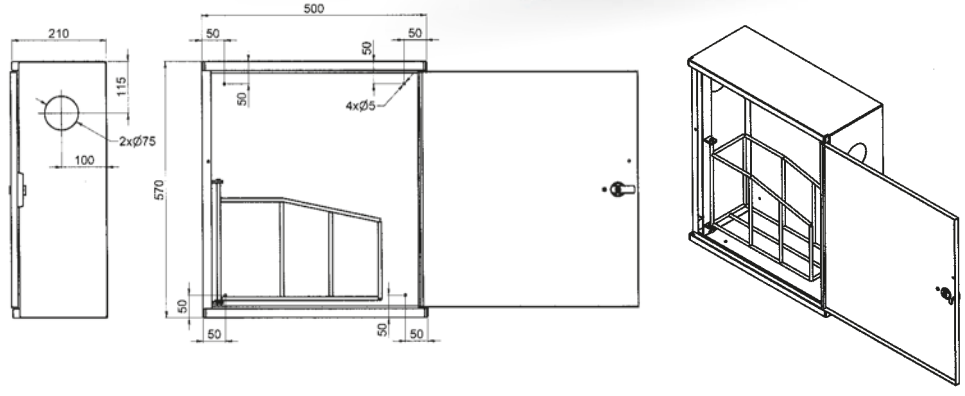


HYDRANT SYSTEMS WITH C 52 LAY-FLAT HOSE

Approved to CSN 730873 as amended in June 2003, and CSN EN 671-2
It can be connected to the supply piping of D 2" or larger.

The system includes:
- TAJFUN - TURBO C 52 fire nozzle
- 20 m of C 52 hose
- Al C 52 wall mounted hydrant
- Steel cabinet (W 500 x H 570 x D 210)
- Hose rack

Catalogue Number: **ksc 001**

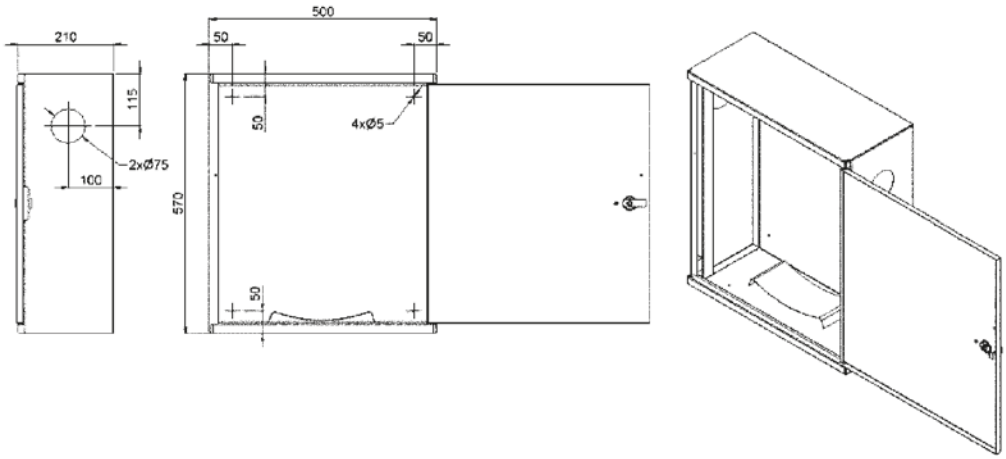


HYDRANT SYSTEMS C 52 WITH CRADDLE

Approved to CSN 730873 as amended in June 2003, and CSN EN 671-2
Fire hydrant system without hose rack does not comply with the standard amendment.
It can be connected to the supply piping of D 2" or larger.

The system includes:
- TAJFUN - TURBO C 52 fire nozzle
- 20 m of C 52 hose
- Al C 52 wall mounted hydrant
- Steel cabinet (W 500 x H 570 x D 210)
- Hose cradle

Catalogue Number: **ksvvc**



D 25 SURFACE MOUNTED HYDRANT CABINET

Width:	460 mm
Height:	460 mm
Depth:	110 mm
Weight:	3.47 kg

Catalogue Number **fin 101**

If complete it is not in compliance with CSN 730873.
The system includes:
- D 25 fire nozzle
- 20 m of D 25 hose
- Surface-mounted D 25 hydrant
- Steel cabinet

HYDRANT CABINET

Width: 750 mm
Height: 1150 mm
Depth: 400 mm
Weight: 30.3 kg

Catalogue Number: **fin 004**

SMALL KEY BOX

Width: 75 mm
Height: 75 mm
Depth: 25 mm
Weight: 0.145 kg

Catalogue Number: **fin 341**

LARGE KEY BOX

Width: 115 mm
Height: 115 mm
Depth: 30 mm
Weight: 0.295 kg

Catalogue Number: **vv 455**

SMALL KEY BOX - PLASTIC

Width: 74 mm
Height: 74 mm
Depth: 23 mm
Weight: 0.047 kg

Catalogue Number: **vv454**

BOX FOR HAND FIRE EXTINGUISHER

Width: 280 mm
Height: 650 mm
Depth: 285 mm
Weight: 6.40 kg

Catalogue Number: **vv082**

QUALITY POLICY IN PAVLIŠ A HARTMANN

As a manufacturer of fire fighting equipment, hoses and fire hydrant systems, it is our goal to satisfy the requirements of our customers regarding not only the quality of the product but also our partner-like approach and reliability based on our management system. We consider implementation of a functional and effective quality system to be a natural aspect of a modern company management. Our commitment to implementation and constant improvement of the quality management system is based on the philosophy:

„HIGH QUALITY AND RELIABILITY OF OUR PRODUCTS WILL BRING BACK OUR CUSTOMERS".

1. The customer's satisfaction is a priority of all our staff.
2. The quality of fire-fighting equipment requires systemic management of processes and constant improvement of production and instrumentation technology. We want innovations of products and equipment that will strengthen our position in the market.
3. A satisfied employee influences the quality of production and internal communication. We want to achieve maximum involvement of the staff in our business success.
4. Our aim is to develop partnerships with our suppliers on the win-win principle.
5. Our intention is to implement the quality system, so that it meets the customers' requirements according to the standard CSN EN ISO 9001:2001


CLPR

certifikát

Tímto potvrzujeme, že systém managementu jakosti podniku

Pavliš a Hartmann, spol. s r.o.

V Telčicích 249, 533 12 Chvaletice

Provozovna:

Lipská 994, 517 21 Týniště nad Orlicí

IČ: 60934000

byl prověřen a uznán akreditovaným certifikačním orgánem č. 3016 Českým lodním a průmyslovým registrem, s.r.o. ve shodě s normou

ČSN EN ISO 9001:2001

Certifikovaný systém managementu jakosti se vztahuje na:

Vývoj a výrobu požární techniky. Strojírenskou výrobu. Vývoj a výrobu gumárenských směsí.

Toto uznání je dále podmíněno tím, že držitel bude udržovat systém managementu jakosti podle uvedené normy, což bude sledováno ze strany ČESKÉHO LODNÍHO A PRŮMYSLOVÉHO REGISTRU

Číslo certifikátu: C-80114
Certifikát je platný do: 24.06.2011
Datum a místo vystavení: 02.07.2008, Praha

J. Dynybyl F. Schneider


CLPR

certifikát

Tímto potvrzujeme, že systém environmentálního managementu podniku

Pavliš a Hartmann, spol. s r.o.

V Telčicích 249, 533 12 Chvaletice

Provozovna:

Lipská 994, 517 21 Týniště nad Orlicí

IČ: 60934000

byl prověřen a uznán akreditovaným certifikačním orgánem č. 3052 Českým lodním a průmyslovým registrem, s.r.o. ve shodě s normou

ČSN EN ISO 14001 : 2005

Certifikovaný systém environmentálního managementu se vztahuje na:

Vývoj a výrobu výrobků protipožární techniky a výrobu a prodej gumárenských směsí.

Toto uznání je dále podmíněno tím, že držitel bude udržovat systém environmentálního managementu podle uvedené normy, což bude sledováno ze strany ČESKÉHO LODNÍHO A PRŮMYSLOVÉHO REGISTRU

Číslo certifikátu: E-85122/R1
Certifikát je platný do: 18.09.2011
Datum a místo vystavení: 07.10.2008, Praha

J. Dynybyl F. Schneider

The manufacturer reserves the right to modify and improve the products illustrated and described in this catalogue as long as such modifications do not affect the function of the equipment, without prior notice and without accepting any liabilities.

www.firefighting-phhp.com

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