



Our Innovation, Your safety



Product guide



## GRAS P.P.H.

GRAS P.P.H. was established in 1985. From the beginning of its activity, the company has been engaged in designing and manufacturing of fire-fighting and rescue equipment. We focus mainly on the production of indoor fire hydrants with DN19, DN25 and DN33 semi rigid hose, indoor hydrants with DN52 flat hose and special purpose hydrants. All hydrants are made in accordance with the Polish and EN European standards on fire protection. Our range of products also includes wet riser boxes, protective cabinets for extinguishers, hangers, extinguisher stands, protective cabinets for stretchers and rescue equipment, first aid kit cabinets, bandage boxes, mobile fire-fighting sets, fire blanket cabinets and hand-pump extinguishers.

### Our Innovation, Your safety

Continuous enhancement of our products and participation in fire safety projects and research guarantees quality, customer care and user safety.

An example is the indoor fire hydrant developed jointly by the Gras and Telesto companies. It can generate water mist, which is a revolution in extinguishing fires in its class and can be classified to the world leading fire fighting techniques.

In 2008 in connection with growing market demand and taking into account the feedback of engineering and architectural offices, and fire safety specialists, GRAS added the HW-19, HW-25 FUTURE and PRESTIGE LINE hydrant family to its existing product range.

The new hydrants combine modern and individual style, a wide range of shapes and colors and reliability of operation. The solution is protected by patent rights on the world markets.

Gras is a cofounder and member of the Polish Association of Fire Protection and Personal Protective Equipment Manufacturers.

We actively participate in the Association work e.g. by participation of our representatives in opinion-giving bodies of state authorities.

Meeting the Association's statutory objectives means production at the highest technical level and continuous modernization of manufacturing and products and care about customers' satisfaction.



All our products are manufactured with a state-of-the-art production line, which is regularly upgraded. Materials used for production are of highest quality and delivered by reliable contractors.

Our quality is confirmed with EC conformity certificates issued by the Product Certification Body at the Scientific and Research Centre for Fire Protection (CNBOP) in Józefów near Warsaw and certificates of the State Certification Centre at the Ukraine's Emergencies Ministry.

[www.gras.pl](http://www.gras.pl)

Full information on the GRAS products and file base in dwg and pdf format are available on our internet service.

## MODEL SLIM GREEN

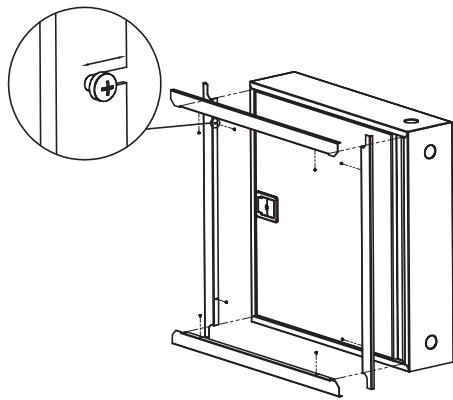
Indoor hydrants of the new SLIM GREEN family introduce a new look at the fire protection. They are an effect of a continuous cooperation between GRAS and the designers and fitters. Their depth has been reduced to **180 mm** and **200 mm** to provide more freedom in partition wall designing, installation and ease of assembly.

### Maximum corrosion resistance and durability

Material the cabinet is made of is high-durability hot dip galvanized steel to guarantee the best corrosion protection. **Maximum single side zinc coat is 7µm.** The same steel type is used in automotive industry to improve safety of passengers through impact energy absorption.

### Surface and recessed cabinet in one

An innovative body design featuring holes with moulded thread allow quick and simple installation of masking frames. All wall surface irregularities can be reduced by the adjusting frame notches. Such functional frames are available in SLIM models of GRAS only.



### Yale and Euro lock in one

A multi-purpose lock is made of impact- and scratch-proof material. It features a PMMA cover which can be broken to open the hydrant or unlocked with a key for servicing purposes. No matter what the cabinet configuration the cabinet always remains in the same orientation.

### 6 new connection options

Improved water system installation comfort provided by 6 pre-drilled holes in side-, back- and front walls of the hydrant cabinet. Now the hydrant can be supplied with water coming from side, rear or bottom. Each hole is sealed with a metal plate - the fitter may decide for himself which connection side to choose.

### In harmony with nature

Steel the SLIM GREEN hydrants are made of comes from a steel plant with the lowest CO<sub>2</sub> emissions in the world. Approximately 1.8 to 2.8 tonnes of CO<sub>2</sub> per 1 tonne of steel are emitted during production of normal steel grades but it is only 1.5 tonnes of CO<sub>2</sub> emitted when producing the steel which is later used by GRAS. Hence, the emission is lower by as much as 59% as compared to other steel producers.



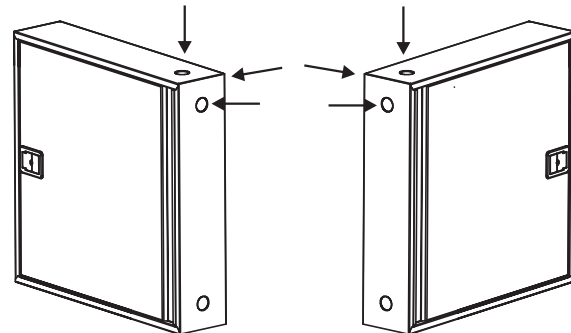
Product protected by patent rights across the entire European Union area, issued by the Patent Office of the Republic of Poland.

### Bi-directional door

The cabinet body is ready for either left or right door opening. The decision on the door opening direction depends on the user's preferences and installation conditions only.

### Lower weight

The use of high-durability steel led to a reduction of the hydrant weight by as much as 20% in comparison to other hydrants of similar dimensions available in the market.



Model SLIM GREEN	Hose length DN25	Width (mm)	Height (mm)	Depth (mm)
HW-25N/W-20	20 m	780	780	180
HW-25N/W-30	30 m	780	780	180*/200**
HW-25N/W-K-20	20 m	1010	780	180
HW-25N/W-K-30	30 m	1010	780	180*/200**
HW-25N/W-KP-20	20 m	780	1010	180
HW-25N/W-KP-30	30 m	780	1010	180*/200**

\*depth for a rubber hose in polyester jacket

\*\* depth for a rubber hose

# UN GENERAL PURPOSE MODEL / DN19 AND DN25 INDOOR HYDRANTS



Individual model



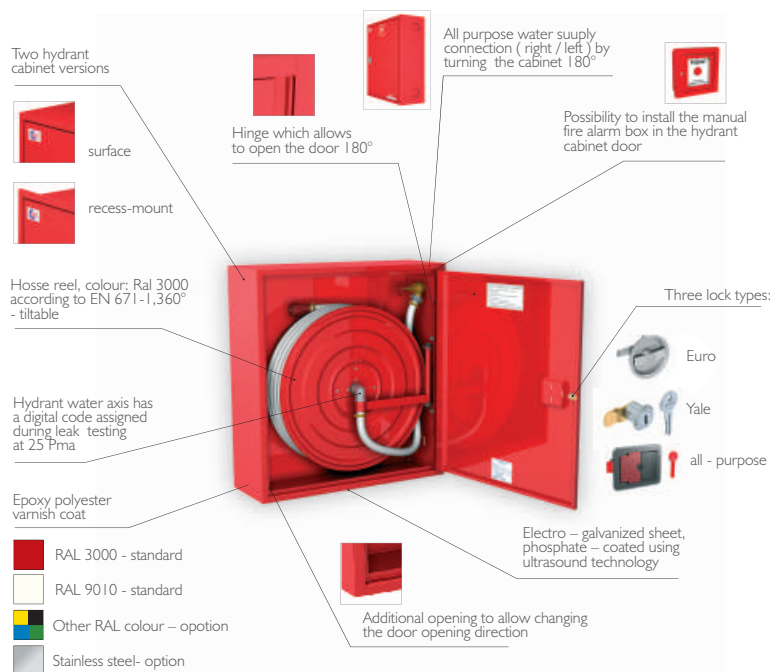
K model (kombi vertical)



KP model (kombi horizontal)

## Versatile design

Versatile design makes it possible to connect the valve on the right or on the left side of the cabinet, with the door opening to the right or left, respectively. Each cabinet is equipped with two sets of holes made in side of the cabinet body. This way the installer decides for himself which side to install the water supply and which way the door should open, by rotating the cabinet by 180°. This solution makes it easier to install the hydrant depending on the arrangement of the water supply system and its subsequent use.



## Models

Individual model – hydrant with complete hose reel.

K kombi – hydrant with complete hose reel and additional vertical space for up to 6 kg dry powder extinguisher (in case of 170 mm cabinet depth, max. diameter of extinguisher is Ø 150 mm).

KP kombi – hydrant with complete hose reel and additional horizontal space for up to 6 kg dry powder extinguisher (in case of 170 mm cabinet depth, max. diameter of extinguisher is Ø 150 mm).

## Locks

EURO - rotating, recessed door handle.

Yale - mortise Yale lock with a spare key placed on the door panel behind a 1 mm thick glass pane.

Universal - combining the features of Euro and patent locks; opened by breaking the PCV cover or using a service wrench.

## Wall-mounted and recessed design

The cabinets for indoor fire hydrants are available in wall-mounted (hung) and recessed (embedded into a wall) version. In the case of light construction of building walls (e.g. plaster boards) it is possible to install hydrants in wall-mounted and recessed versions on supports or support frames so as not to impose a load on the wall construction.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
HW-19N-20	610	650	170
HW-19N-30	710	750	170
HW-19W-20	570	610	170
HW-19W-30	670	710	170
„K” Model - additional vertical space for extinguisher			
HW-19N-K-20	1040	790	170
HW-19N-K-30	1040	790	170
HW-19W-K-20	1000	750	170
HW-19W-K-30	1000	750	170
„KP” Model - additional horizontal space for extinguisher			
HW-19N-KP-20	740	1010	170
HW-19N-KP-30	740	1010	170
HW-19W-KP-20	700	970	170
HW-19W-KP-30	700	970	170

HW-19

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
HW-25N-20	740	790	250
HW-25N-30	740	790	250
HW-25W-20	700	750	250
HW-25W-30	700	750	250
„K” Model - additional vertical space for extinguisher			
HW-25N-K-20	1040	790	250
HW-25N-K-30	1040	790	250
HW-25W-K-20	1000	750	250
HW-25W-K-30	1000	750	250
„KP” Model - additional horizontal space for extinguisher			
HW-25N-KP-20	740	1010	250
HW-25N-KP-30	740	1010	250
HW-25W-KP-20	700	970	250
HW-25W-KP-30	700	970	250

HW-25

## MODEL RO / DN25 INDOOR HYDRANTS

The indoor hydrant with the roller blind replacing the standard door. The unquestionable advantage of this solution is the possibility of a very fast and collision-free access to the fire fighting equipment. Opening the hydrant does not require additional space for swivelling the door by 180°, which is a great convenience in interior designing. The hydrant inside and equipment is protected against dust and dirt owing to the use of anti-dust strips. An additional advantage is the possibility of changing the cabinet and roller blind colour. The RO hydrant is available in individual, kombi horizontal and kombi vertical version.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
<b>HW-25N-20 RO</b>	740	1000	290
<b>HW-25N-30 RO</b>	740	1000	290
<b>HW-25W-20 RO</b>	740	1000	290
<b>HW-25W-30 RO</b>	740	1000	290
„K” Model - additional vertical space for extinguisher			
<b>HW-25N-K-20 RO</b>	1000	1000	290
<b>HW-25N-K-30 RO</b>	1000	1000	290
<b>HW-25W-K-20 RO</b>	1000	1000	290
<b>HW-25W-K-30 RO</b>	1000	1000	290
„KP” Model - additional horizontal space for extinguisher			
<b>HW-25N-KP-20 RO</b>	740	1240	290
<b>HW-25N-KP-30 RO</b>	740	1240	290
<b>HW-25W-KP-20 RO</b>	740	1240	290
<b>HW-25W-KP-30 RO</b>	740	1240	290

HW-25



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## MODEL S / DN25 INDOOR HYDRANTS

The special model is characterized by the hose reel located on the roll-out trolley. That allows the hydrant to be placed in locations of limited space for installation of standard design cabinets, e.g.: between racks in hypermarkets, pillars of steel construction and crosswise on the inside of partition walls. The trolley design makes it possible to slide out the reel up 1/2 of its depth and the roller guide ensures free hose unwinding in every direction. The S hydrant is available in individual and kombi version (with additional horizontal space for extinguisher) and with the possibility of using a manual fire alarm box.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
<b>HW-25N-S-20</b>	330	880	700
<b>HW-25N-S-30</b>	330	880	700
<b>HW-25W-S-20</b>	290	840	700
<b>HW-25W-S-30</b>	290	840	700
„SK” Model - additional vertical space for extinguisher			
<b>HW-25N-SK-20</b>	330	1080	700
<b>HW-25N-SK-30</b>	330	1080	700
<b>HW-25W-SK-20</b>	290	1040	700
<b>HW-25W-SK-30</b>	290	1040	700
„SK” Model + ROP manual fire alarm box (ROP)			
<b>HW-25N-SK-20+ROP</b>	330	1240	700
<b>HW-25N-SK-30+ROP</b>	330	1240	700
<b>HW-25W-SK-20+ROP</b>	290	1200	700
<b>HW-25W-SK-30+ROP</b>	290	1200	700

HW-25

Dimensions in the table are for 1" pipe network only



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## EP MODEL / FUTURE DN19 AND DN25 INDOOR HYDRANTS

### Safe traffic routes – free-standing hydrant

The “EP” model combines the features of elegance and reliability. It is a perfect solution for shopping malls, office building lounges and other facilities with a large floor area as a free-standing fire hydrant.

### Hidden water supply

Hydrant supply is provided from the bottom of the cabinet inside the side wall and is therefore invisible. Totally removable side covers provide easy access to water supply system and versatile installation on the right or left side of the cabinet. Rounded cabinet sides are an ideal solution for placing the cabinet in pedestrian traffic routes, because they protect people from injury.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
<b>HW-19N-20 „EP”</b>	900	1500	170
<b>HW-19N-30 „EP”</b>	900	1500	170
<b>HW-25N-20 „EP”</b>	950	1500	220
<b>HW-25N-30 „EP”</b>	980	1500	250
„K” Model - additional vertical space for extinguisher			
<b>HW-19N K-20 „EP”</b>	900	1500	170
<b>HW-19N K-30 „EP”</b>	900	1500	170
<b>HW-25N K-20 „EP”</b>	950	1500	220
<b>HW-25N K-30 „EP”</b>	980	1500	250

In case of 170 mm cabinet depth, max. diameter of extinguisher is  $\varnothing$  150 mm

## EPM MODEL

### Safe traffic routes

The „EPM” model as a typical fire hydrant, appears to be light and elegant, due to its oval shape. Rounded side walls of the cabinet improve its safety, protect from injury and similarly to the “EP” model, make it possible to use the cabinet in pedestrian traffic routes.

### Versatile design

The design versatility is characterized by the possibility of connecting a valve to the water supply system and door opening direction on the right or on the left. Each cabinet is equipped with two sets of holes made in the back of the cabinet body. By rotating the cabinet by 180° it is possible to change the water supply side according to the design: to the left or right side.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
<b>HW-19N-20 „EPM”</b>	930	865	170
<b>HW-19N-30 „EPM”</b>	930	865	170
<b>HW-25N-20 „EPM”</b>	930	865	220
<b>HW-25N-30 „EPM”</b>	930	865	250
„KP” Model - additional vertical space for extinguisher			
<b>HW-19N-KP-20 „EPM”</b>	930	1100	170
<b>HW-19N-KP-30 „EPM”</b>	930	1100	170
<b>HW-25N-KP-20 „EPM”</b>	930	1100	220
<b>HW-25N-KP-30 „EPM”</b>	930	1100	250

In case of 170 mm cabinet depth, max. diameter of extinguisher is  $\varnothing$  150 mm



Location of water supply system in side of the cabinet body



Water supply from the bottom. Fixing the hydrant to the floor



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Location of water supply system in side of the cabinet body



### Hidden water supply system

Owing to the shape of side walls it is possible to entirely hide water supply elements. The condition for this solution is entry of the water supply system from the cabinet back.

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## F MODEL / FUTURE DN19 AND DN25 INDOOR HYDRANTS

### Safe design

The „F” model was designed for buildings with modern, avant-garde interior architecture. Thanks to its refined simplicity, the cabinet merges perfectly with the interior surroundings, being an elegant, decorative item in itself.

The appearance of this hydrant is a contradiction of the prevailing image of an indoor hydrant. It combines reliability of operation and aesthetic look.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)
HW-19N-20 „F”	680	760	170
HW-19N-30 „F”	680	760	170
HW-25N-20 „F”	680	760	220
HW-25N-30 „F”	680	760	250
„KP” Model - additional vertical space for extinguisher			
HW-19N-KP-20 „F”	680	990	170
HW-19N-KP-30 „F”	680	990	170
HW-25N-KP-20 „F”	680	990	220
HW-25N-KP-30 „F”	680	990	250

HW-19 HW-25

In case of 170 mm cabinet depth, max. diameter of extinguisher is  $\varnothing$  150 mm



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## SH MODEL

### Safety always noticeable

The „SH” model was designed for facilities where the emphasized “presence” of hand-operated fire-fighting equipment will make the people in it feel more comfortable and secure. The door made of hardened glass also gives the facility administrator full control over the condition of the hydrant's contents.

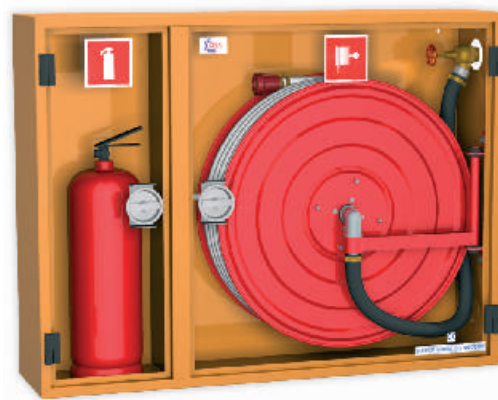
### For individualists

As for the SH model, it is possible to select any RAL palette colour not only for the cabinet body, but also for the door. The door material is the LACOBEL varnished glass, whose colour may be selected from the rich pattern palette (example varnishes are available on [www.gras.pl](http://www.gras.pl))

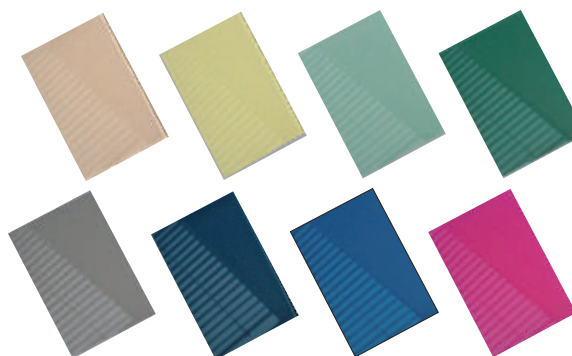
Model and hose length	Width (mm)	Height (mm)	Depth (mm)
HW-19N-K-20 „SH”	1040	790	170
HW-19W-K-20 „SH”	1000	750	170
HW-19N-K-30 „SH”	1040	790	170
HW-19W-K-30 „SH”	1000	750	170
HW-25N-K-20 „SH”	1040	790	250
HW-25W-K-30 „SH”	1000	750	250
HW-25N-K-20 „SH”	1040	790	250
HW-25W-K-30 „SH”	1000	750	250

HW-19 HW-25

In case of 170 mm cabinet depth, max. diameter of extinguisher is  $\varnothing$  150 mm



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Examples of varnished glass



## DN33 INDOOR HYDRANTS

The HW-33 hydrant with hose inner diameter of 33mm is available as an individual hose reel or in cabinet. The specially designed 180° swivel arm makes it possible to transfer the hose reel weight and provide water to hose at the same time. All steel elements are galvanized to ensure anticorrosion protection and long service life. The DN33 hydrant meets the requirements of EN 671-1.

Individual hose reel			
Model and hose length	Hose reel diameter (mm)		
<b>HW-33ZWN - R-20</b>	500		
<b>HW-33ZWN - R-30</b>	600		
Hose reel in the cabinet			
Model and hose length	Width (mm)	Height (mm)	Depth (mm)
<b>HW-33N-20</b>	1120	900	450
<b>HW-33N-30</b>	1120	900	450

HW-33



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## UN GENERAL PURPOSE MODEL / DN52 INDOOR HYDRANTS

### Versatile design

The DN52 hydrant design makes it possible to connect a valve on the right or on the left side of the cabinet, with the door opening to the right or left, respectively. Each cabinet is equipped with two sets of holes made in side of the cabinet body. This way the installer decides for himself which side to install the water supply and which way the door should open, by rotating the cabinet by 180°.

### Kombi or individual model

The DN52 hydrants are available in three versions: only with space for hose and fire hose nozzle (in basket or reel), with additional vertical space for up to 6kg extinguisher and with additional horizontal space for up to 6kg extinguisher.

Model and hose length	Width (mm)	Height (mm)	Depth (mm)	Hose length (m)
<b>HW-52N-15/20</b>	500	600	180	15 or 20
<b>HW-52-W-15/20</b>	460	560	180	15 or 20
„K” Model - additional vertical space for extinguisher				
<b>HW-52-N-K-15/20</b>	740	600	180	15 or 20
<b>HW-52-W-K-15/20</b>	700	560	180	15 or 20
„KP” Model - additional horizontal space for extinguisher				
<b>HW-52N-KP-15/20</b>	600	840	180	15 or 20
<b>HW-52W-KP-15/20</b>	560	800	180	15 or 20

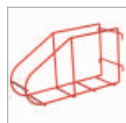
HW-52 (reel)

Model and hose length	Width (mm)	Height (mm)	Depth (mm)	Hose length (m)
<b>HW-52N-15/20-Ko</b>	420	530	180	15 or 20
<b>HW-52-W-15/20-Ko</b>	380	490	180	15 or 20
„K” Model - additional vertical space for extinguisher				
<b>HW-52-N-K-15/20-Ko</b>	740	600	180	15 or 20
<b>HW-52-W-K-15/20-Ko</b>	700	560	180	15 or 20
„KP” Model - additional horizontal space for extinguisher				
<b>HW-52N-KP-15/20-Ko</b>	600	840	180	15 or 20
<b>HW-52W-KP-15/20-Ko</b>	560	800	180	15 or 20

HW-52 (basket)



Hose reel



Hose basket



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## CABINETS FOR EXTINGUISHERS

The cabinets for extinguishers ensure their perfect protection. The product range includes protective cabinets for all types of extinguishers. Depending on the model, these can be recessed (embedded) cabinets or hung (wall-mounted) type. They are made of galvanized steel sheet. All parts of the cabinet undergo chemical and ultrasonic treatment to provide additional protection against corrosion, and then painted with epoxy powder paint. The cabinet design and the materials used ensure long service life.



The protective cabinets for extinguishers are available in all colours of the RAL palette and can be made of stainless steel.

### Models of protective cabinets for extinguishers

Cabinet model	G-90	G-91	G-92	G-93	G-95	G-100	G-101	G-102	G-103	G-104	G-105	G-106	G-107	G-108	G-109	G-112	G-113
Width (mm)	220	220	220	220	300	300	300	300	300	300	300	300	300	350	350	600	600
Height (mm)	480	480	480	480	600	730	730	730	730	700	700	700	700	900	900	730	730
Depth (mm)	180	180	180	180	180	220	220	220	220	180	220	240	240	250	250	220	220
Extinguisher	2kg				6kg				6kg-12kg					GS-5		2x 6kg - 12kg	
Lock	Euro	x		x		x	x	x		x	x			x	x	x	x
	Yale		x		x	x		x	x	x	x	x	x	x	x	x	x
Version	Wall mounted	x	x	x	x	x	x	x	x			x	x	x	x	x	x
	Recessed									x	x						
Corner type			x	x								x	x				
Door	Full	x	x	x	x	x		x		x	x	x		x		x	
	With glass pane						x		x				x		x		x

## SWSP WET RISER CABINETS

The SWSP cabinets wet (dry) riser protective cabinets are designed for protecting (housing) the DN50 hydrant valves and external manifolds. The number of hydrant valves placed in the cabinet and their arrangement depends on the model.

The cabinet design meets the requirements of PN-68/B-02858 and EN 671-2.



Special lock meets the requirements of PN-68/B-02861

The cabinets are equipped with a special lock opened with the pick of the head of a light fire axe, according to PN-85/M-51 501 for Polish market and DIN 14461-2 for German market.

The lock is made of chrome brass of increased resistance, very aesthetic appearance and resistant to damage at the same time.

The lock design according to the requirements included in PN-68/B-02861 and DIN 14461-2 was tested in CNBOP in Józefów.

It is the only lock on Polish market permitted for use in the valve protective cabinets.

The lock protects the valve from unauthorized persons and its design allows a fire officer or maintenance technician to open it.

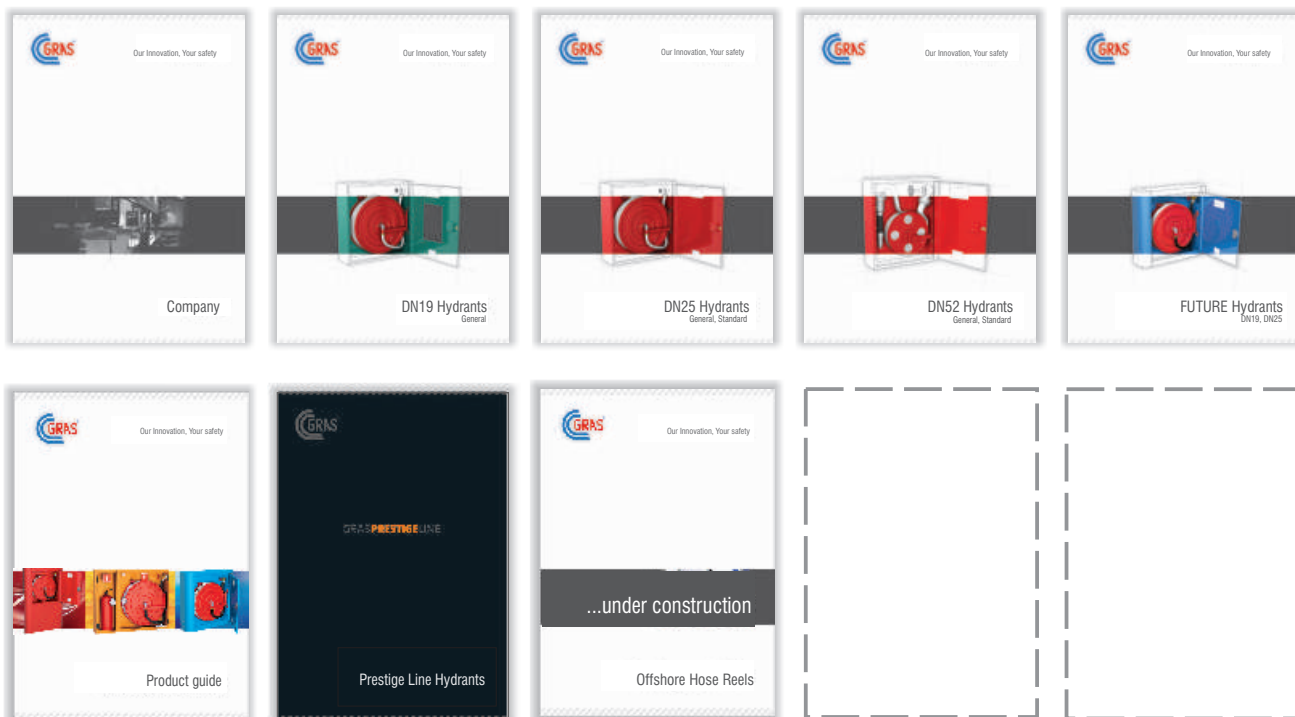
Model	Width (mm)	Height (mm)	Depth (mm)	Number of DN50 valves	Type
SWSP-W1	350	450	220	1	Recessed
SWSP-N1	350	450	220	1	Wall-mounted
SWSP-W2/S	350	700	220	2	Recessed
SWSP-N2/S	350	700	220	2	Wall-mounted
SWSP-W2	500	450	220	2	Recessed
SWSP-N2	500	450	220	2	Wall-mounted
SWSP-W2/D	700	700	300	1 (manifold)	Recessed
SWSP-N2/D	700	700	300	1 (manifold)	Wall-mounted

Within the continues improvement of products in accordance with the market and legal requirements the producer P.P.H. GRAS reserves the right to introduce at any time construction changes of the offered hydrant cabinets without changing their general purpose.

All hydrant cabinets are sold as a final product ready for installation. Only a proper, in accordance with instructions, installation of the hydrant cabinet guarantees the safety of hydrant's use and esthetically pleasing appearance.

The presented in the catalogue offer is not an offer as defined in the Civil Code.

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