



Product description

- Fire hydrant series SOMEPAL prepared for water supply in firefighting, supply of potable water and filtered neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C
- Maximum allowable operating pressure (PFA); Allowable maximum operating pressure PN20 (PMA); Allowable test pressure PN25 (PEA)

Standards

- Designed according to EN14384 and EN 1074-6
- Flange drilling to EN 1092-2

Tests

All fire hydrant are individually hydrostatically tested according to EN 1074-6 and EN 14384

Corrosion protection

- Epoxy coating inside and outside, approved for potable water, with a minimum thickness of 250 µm, approved epoxy coating fusion bonded according EN 14901-1 and GSK (RAL-GZ662) guidelines; the exterior above the ground line is coated with a second finish in enamel and polyurethane, in a red color resistant to UV rays

Approvals

- Certified according to EN 14384: Certif certificate ESI-003/2023
- CE mark according to EN 14384: Performance Statement certificate 1328-CPR-0065
- ACS Potability Certificate 23 ACC NY 534

Others

- Fucoli-Somepal is registered with the ANPC under No. 197 (under Ordinance 773/2009)
- Fucoli-Somepal is vogal at CT 46/SC2/SG1-1 (hydrant)

Features

- For water supply in fire fighting and supply of drinking water and neutral liquids
- Simple installation and quick operation
- When installed and after loosening the fusible flange bolts, they allow the upper body to rotate 360°
- Equipped with storz plugs that include a depressurization mechanism that makes it possible to release the internal pressure
- Easy maintenance, with removable sealing system, without having to remove the hydrant from the pipeline
- In the event of an occasional impact that causes a break, sectioning of the frame occurs through the fracture of the fuse flange, allowing its repair under load using only the replacement kit
- Fire frame comes equipped with an integrated drainage system (dry column - Type C). When the column is closed, it automatically empties. Landmark drain time 6,4 minutes
- Fire frame supplied as standard with DN100 double flanged 90° duckfoot bend, on request it can be supplied with movable flanged uPVC socket 90° duckfoot bend, on request it can be supplied with flanged reduction bend of DN100/80, or flange/mouth bend for PVC pipe DN100/110 or DN100/90 with duckfoot
- Accessories: key for fire hydrants [ref.07.500], key for inviolable blank caps [ref. 07.500] and replacement kit [ref. 07.501]
- On request, the fire hydrant can be supplied in other colors; with red bonnet; stem in stainless steel AISI 316L or other; inviolable bank cap or seals in NBR.

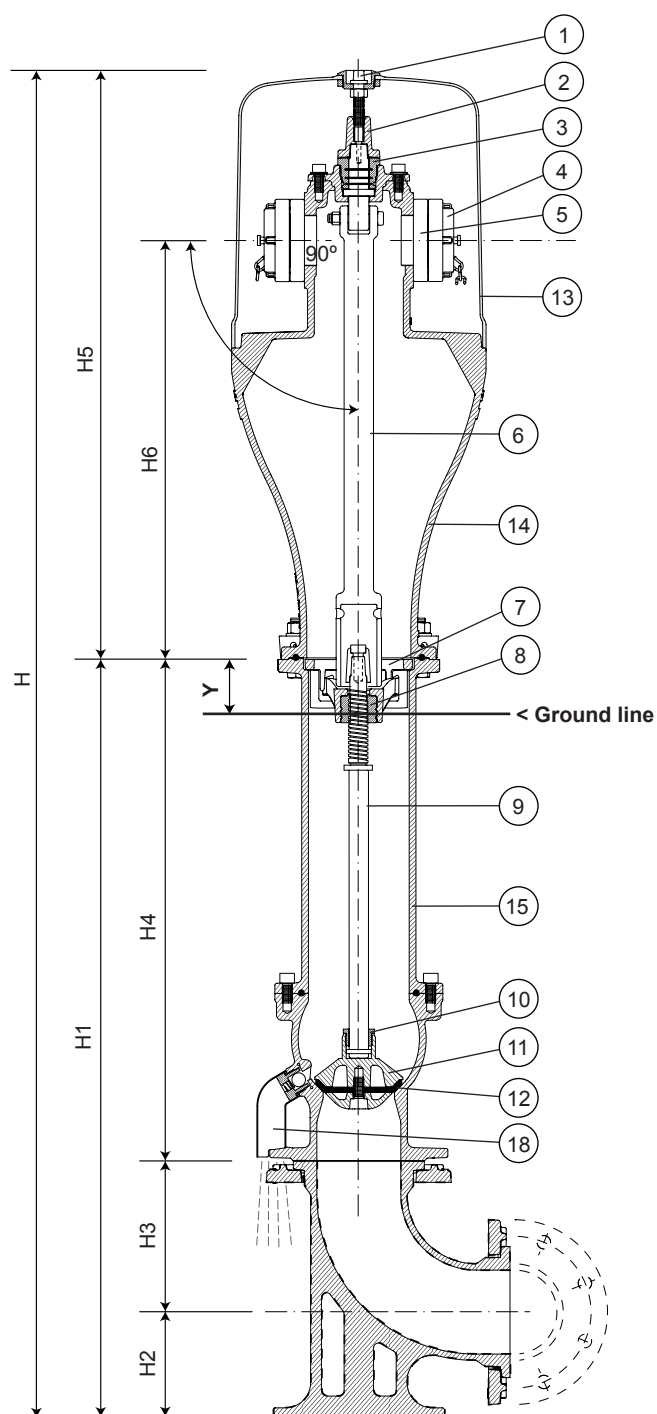


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Terms of use

- Allowable operating pressure (PFA) 16 bar
- Number of turns to open fully: 10 turns left
- Drain valve maximum flow time 6,4 min/m
- Volume of retained water 10 ml
- Maximum operating torque (MOT): 125Nm
- Minimum strength torque (mST): 250Nm



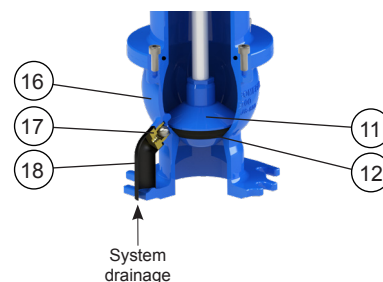
Storz blank caps
with purger



White bonnet, optionally, could be supplied
with outlet jackets in red or personalized

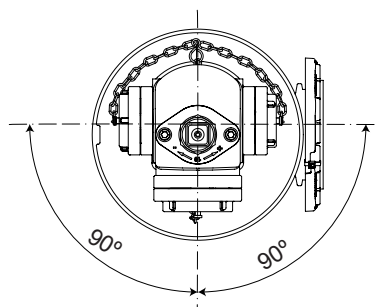


In case of occasional impact, use
only the replacement kit



System
drainage

Fire hydrant Somepal illustrated option A - Double flanged 90° duckfoot bend DN100



HIDRAULIC CHARACTERISTICS Minimum flow coefficient for different connection types and MI height

storz	(Kv)
52 (DN 50)	69
75 (DN 65)	112
110 (DN 100)	164

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FIRE HYDRANT SOMEPAL DN 100 - PN16

07.100



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Component list

pos.	components	material	standard
1	Bonnet washer	Brass	EN 12164
2	Stem cap	Ductile iron EN-GJS-500-7	EN 1563
3	Upper body gland	Brass	EN 12164
4	Storz cap	Aluminum	-
5	Storz coupling	Aluminum	-
6	Upper stem rod	Ductile iron EN-GJS-500-7	EN 1563
7	Support	Ductile iron EN-GJS-500-7	EN 1563
8	Wedge nut	Brass	EN 12164
9	Stem	Stainless steel AISI 420	EN 10088 - 1
10	Obturator fixed nut	Brass	EN 12164
11	Obturator	Ductile iron EN-GJS-500-7	EN 1563
12	Obturator joint	Elastomer EPDM WA	EN 681 - 1
13	Cover	Glass fiber	-
14	Body superior	Ductile iron EN-GJS-500-7	EN 1563
15	Intermediate body inferior	Ductile iron EN-GJS-500-7	EN 1563
16	Body inferior	Ductile iron EN-GJS-500-7	EN 1563
17	Automatic ball drain	Brass	-
18	Drain pipe	PE	-
19	Flange fuse	Ductile iron EN-GJS-500-7	EN 1563
20	Nuts	Stainless steel A4	EN 10088 - 1
21	Washers	Stainless steel A2	EN 10088 - 1
22	Bolts	Stainless steel A2	EN 10088 - 1

Reference and dimensions

DN	code	Y mm	H mm	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	water outlets			turns to open	Kg approx.
										type	front	side		
100	11209050*	60	1605	905	125	180	600	700	500	Storz	110	75 52	10	59
100	11209041*	60	1605	905	125	180	600	700	500	Storz	110	75 75	10	59
100	11209051*	60	1605	905	125	180	600	700	500	Storz	110	52 52	10	59
100	11209062*	60	1605	905	125	180	600	700	500	Storz	75	75 52	10	59
100	11209060*	60	1605	905	125	180	600	700	500	Storz	75	52 52	10	59
100	11209044	60	1605	905	125	180	600	700	500	Barcelona	100	70 70	10	59
100	11209045	60	1605	905	125	180	600	700	500	Barcelona	70	45 45	10	59
100	112096102	60	1605	905	125	180	600	700	500	UNI	-	70 70	10	59
100	11209520	60	1605	905	125	180	600	700	500	Guillemin	100	65 65	10	59
100	11209515	60	1605	905	125	180	600	700	500	Guillemin	80	40 40	10	59
100	1120951001	60	1879	1177	125	180	600	700	500	Guillemin	100	65 65	10	63
100	11210026	60	1605	905	125	180	600	700	500	BSRT BS 336	4"	2½" 2½"	10	59
100	-	60	1605	905	125	180	600	700	500	BS 336	-	2½" 2½"	10	59
100	-	60	1605	905	125	180	600	700	500	BS 336	-	2" 2"	10	59

* With red bonnet, add "VM" to the fire hydrant Somepal code

continued on next page - Option B

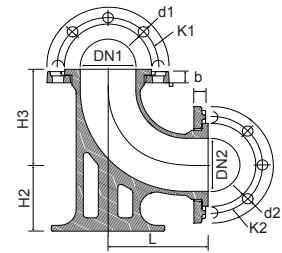


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Option A - Double flanged 90° duckfoot bend



Double flanged 90° duckfoot bend [ref.10.1004]

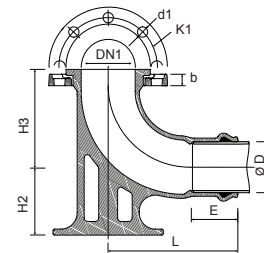


DN1 DN2	PN	code	L mm	H2 mm	H3 mm	K1 mm	n° x d1 mm	K2 mm	n° x d2 mm	b mm	Kg approx.
100	10/16	10001065	180	125	180	180	8 x 19	180	8 x 19	21	16
100 80	10/16	100010651	180	125	180	180	8 x 19	160	8 x 19	21	15

Option B - Movable flanged uPVC socket 90° duckfoot bend



On request movable flanged uPVC socket 90° duckfoot bend [ref.10.104]



DN1	Ø D ext. PVC	PN	code	L mm	E min	H2 mm	H3 mm	K1 mm	n° x d1 mm	b mm	Kg approx.
100	90	10/16	10001064	240	86	125	305	180	8 x 19	19	14
100	110	10/16	10001066	260	115	125	305	180	8 x 19	19	15



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