UNDERGROUND FIRE HYDRANT
FIRE PROTECTION
DN 100 - 100

04/06/2026
VFNUH21ICG325

Underground Fire Hydrant DN100 - Duckfoot bend - Keyser outlet

A good choice on a long term period
SAINT-GOBAIN PAM underground fire hydrants do not require particular maintenance even after many years of use.

- Operating square cap 30 x 30 mm
- Keyser outlet 4”
- Automatic drainage function

The hydrant was qualified in our PAM Laboratory accredited COFRAC.
The hydrant offers performances higher than those required in the standards:

- A number of opening and closing superior to the 1000 necessary cycles.
- Higher resistance of the body to the pressure with 25 bars.
- Operating torque lower than 80 Nm.

DN (mm)	A (mm)	B (mm)	K (mm)	D (mm)	HC (mm)	H2 (mm)	H3 (mm)	H4 (mm)	H5 (mm)	H6 (mm)
100	200	180	175	320 x 445	1000	125	903	135	853	1177

(*) contact us

Saint-Gobain PAM Canalisation
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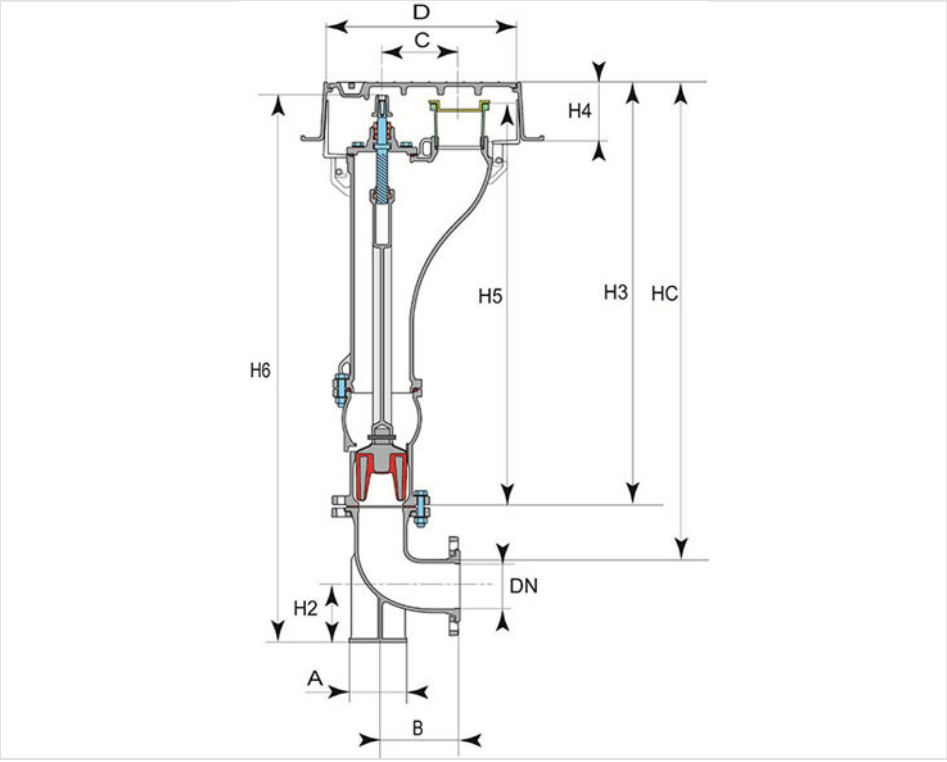

Field of use

Fire hydrants pillar or underground type are designed, according to applicable standards and regulations, for exclusive use of fire protection and using drinking water or raw water network.

They must be handled and used in strict compliance with the recommendations and best practice by personnel trained with these recommendations.

These devices must be inspected periodically (as required by regulations or recommended instructions) to verify and maintain their proper and safe operation.

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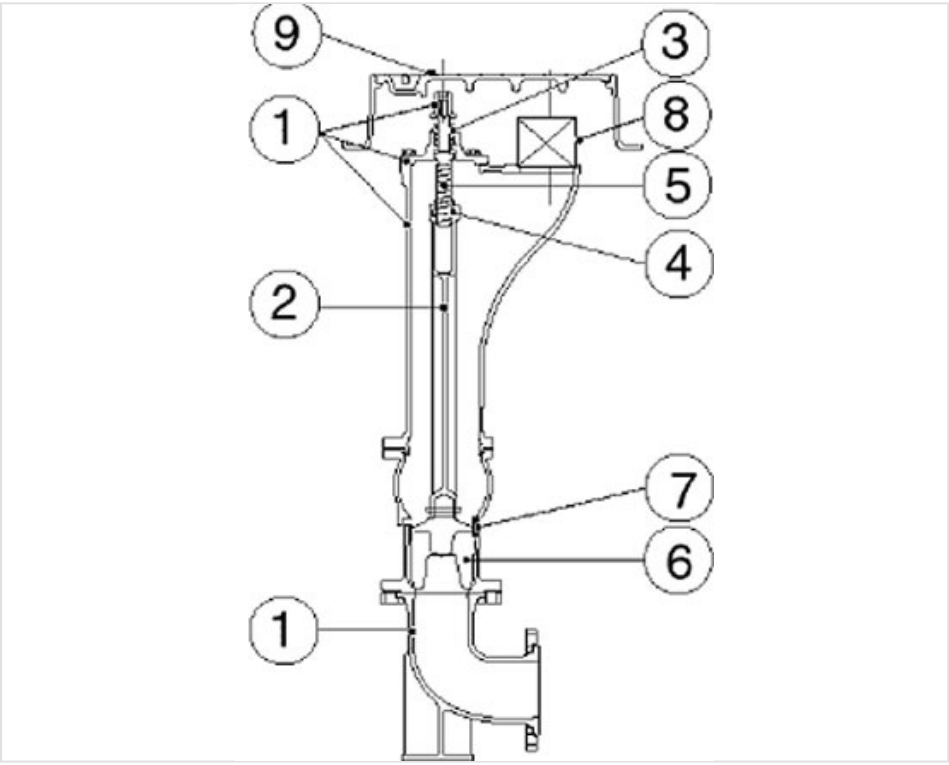
Material and coatings



Item	Description	Material	Coating
1	Bonnet – Body	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Epoxy powder thickness mini 250 microns
	Square operating cap	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Epoxy powder thickness mini 250 microns
	Duckfoot bend	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Epoxy powder thickness mini 250 microns
2	Operating rod	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Epoxy powder thickness mini 250 microns
3	Bush M44x2.5	Cu Zn 39 Pb 2 NF EN 12420	
4	Stem nut	Cu Zn 40 NF EN 12420	
5	Stem	X 20 Cr 13 NF EN 10088-3	
6	Gate	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Coated with EPDM
7	Seat	Cu Sn 6 Zn 4 Pb 2 EN 1982 or Cu Zn 40	
8	Outlet	Aluminium AS7G Y33 NF EN 1706	
9	Surface box	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Bituminous paint
	Cover	Ductile iron EN GJS 400-15 or 500-7 EN 1563	Anti-slipping polyester powder

Surface box: blue epoxy powder (RAL 5005) 250 microns mini thickness inside and outside: excellent resistance against corrosion.

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Cover: black epoxy coating 150 microns.

Option with yellow cover available.

Standards

SAINT-GOBAIN PAM underground fire hydrant DN100 is in accordance with Standards NF EN 14339, NF S 61211/CN.

The surface box is designed for a resistance to the live loads defined by the class C 250 according to the standard NF EN 124.

Mark NF: SAINT-GOBAIN PAM is authorized by CSTB to put the mark NF on this product. The product is in conformity with the complementary standards and specifications NF S 61211/CN.

CE Marking: underground fire hydrant for fire network in conformity with Standard NF EN 14389.

Marking

- Foundry marking on the body : DN100 PN16
- Foundry marking on the cap:
  - SG PAM logo
  - Arrow indicating the opening direction
  - Number of turns necessary to obtain a complete opening
- On an aluminium plate stuck on the cap:
  - Commercial reference
  - The year of manufacture
- On a label stuck on the body: the good position of the pipe in order to guarantee the position of KEYSER outlet and thus the correct assembly with the material of the firemen (bends).

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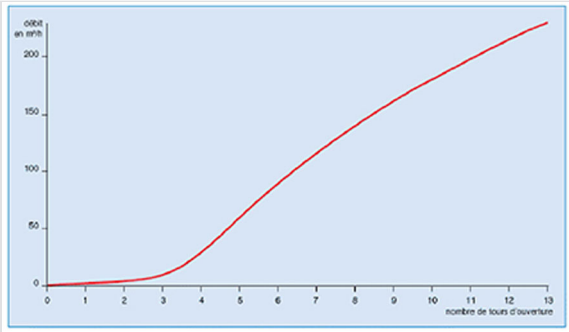
Alimentarity

The hydrant is in conformity with the French regulation: alimentary certificate (ACS).

Technical characteristics

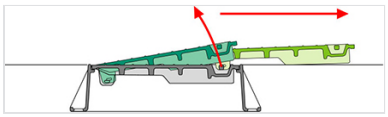
- Operating of the hydrant: Operating square cap 30 x 30 mm
- Closing direction: clockwise
- Operating turns: 13
- Kv Coefficient: 190 mini
- Outlet Type Keyser 4”
- Flanges ISO PN10/16
- Maximum allowable pressure (PFA):
- Factory test pressure: body: 25 bars, shutter: 17,6 bars

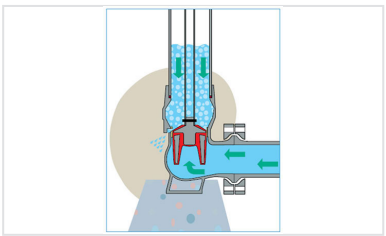
Hydraulic characteristics

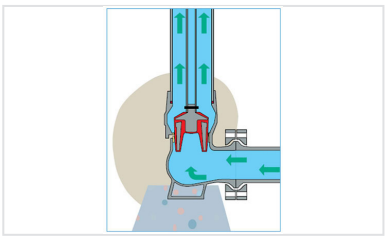


The system of obturator is especially designed so that the flow is established in a progressive way with the opening, thus avoiding the risks of water hammer.

Independent surface box without maintenance







The system of opening of the surface box (patented): the complete absence of hinge allows many openings and closings of the surface box without particular maintenance.

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The strains on the surface box which is completely independent are entirely absorbed by the ground and not by the hydrant. The sealing of the junction with the water pipeline is kept.

The surface box is in conformity with the European Standard EN 124. Class C 250 (load 250 kN)

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