



UNDERGROUND FIRE HYDRANT



Underground fire hydrant that is an emergency support and is compliant with EN 14339, EN 1074-6 standards.

1. Purpose and technical characteristics:

The underground fire hydrant is used for fire protection of catering and household facilities during emergencies, as well as for water supply of fire engines.

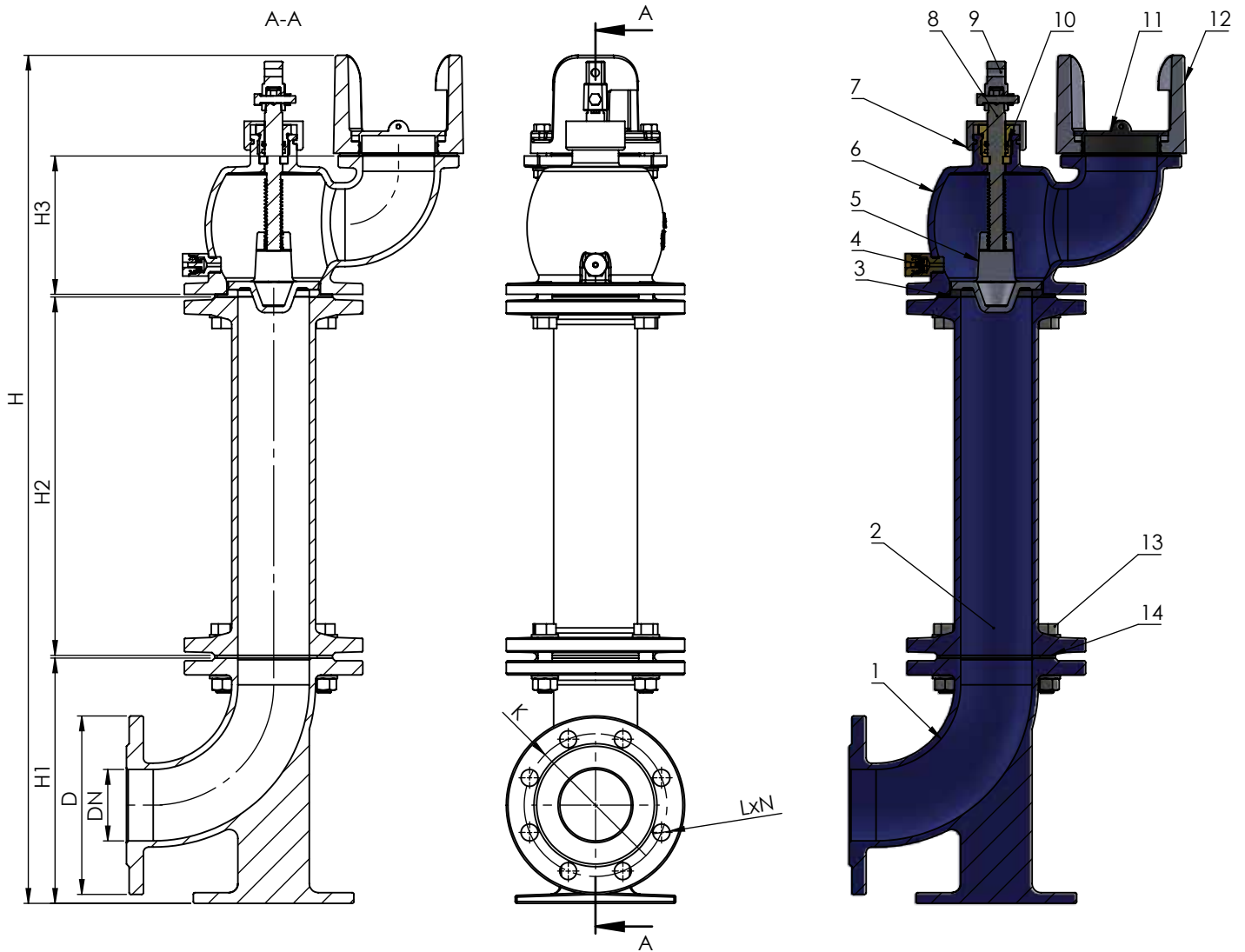
2. Structure and principles:

The underground fire hydrant consists of a 1-disc system and regulates the flow of water by moving the disc up or down as the stem moves. The product is fully suitable for installation and use in well-type sewers.



3. Technical details and properties:

3.1 External views and dimensions of connections





No	DETAIL	MATERIAL	QUANTITY
1	Lower Body	GJS-400-15	1
2	Middle Body	GJS-400-15	1
3	Disc Sealing	EPDM	1
4	Evacuation Valve	Brass	1
5	Disc	GJS-400-15	1
6	Upper Body	GJS-400-15	1
7	Nut/Nut Cover	Brass/polyamide	1
8	Stem	X20Cr13	1
9	Stem Head	GJS-400-15	1
10	O-ring	EPDM	1
11	Cover	EPDM	1
12	Hose Outlet	GJS-400-15	1
13	Bolt	8.8 galvanized	1
14	Sealing Rubber	EPDM	1

DN mm	PN atm	D mm	H1 mm	H2 mm	H3 mm	H mm	K mm	L mm	N
80	16	200	275	400	155	950	160	19	8
100	16	220	307	400	172	1000	180	19	8

4. Description of construction:

The metal bodies of the underground fire hydrant are made of EN GJS 400-15 material in accordance with EN 1563 standard. Stainless stem and connection parts are made of stainless and galvanized materials according to EN 10088 standard. The sealing rubber is made of EPDM material in accordance with EN 681-1, and does not pose a threat to human life. The product is coated with electrostatic epoxy powder or thermoplastic epoxy paint in accordance with EN 10289 and EN 10339 standards. There is a single connected evacuation exit from the top of the hydrant. Flange connections comply with EN 1092-2.

5. Safety instructions:

Underground fire hydrants are products that require special attention in terms of safety. These products should only be installed and used by experienced personnel. The disc must not be closed in case of water coming from the evacuation outlet due to disc failure. As a result, there could be high pressure inside. It is forbidden to repair hydrants when there is a pressure in the line.



6. Maintenance requirements:

It is prohibited to eliminate the defects formed in any part of the underground fire hydrant by employing repairing methods such as welding, processing etc. The parts that need repair should be replaced by new ones. In these cases, manufacturer company should be notified.

7. Installation instructions:

Hydrants should be installed perpendicular to the flat surface. External particles inside the pipe must be cleaned before the hydrant is installed. Under the hydrant foot a concrete surface should be placed to ensure the proper flange connection and the area around the evacuation drain should be covered gravel instead of sand. During the digging process towards the flange of hydrant gravels inform the digging machinist regarding the proximity to the pipeline.

8. Storage information:

Underground fire hydrants should be stored in warehouses without damaging the package.

9. Transportation:

Underground fire hydrants can be transported by any type of vehicle that has the right to transport.

10. Warranty:

The product is certified. The AZERTEKNOLAYN LLC guarantees consumers for 1 year from the date of commissioning (excluding climate conditions, installation and user defects) in compliance with the rules of transport, storage, installation and operation. The total service life of the underground fire hydrant is 10 years, excluding moving parts.

In case of violation of installation rules, claims on the quality of the underground fire hydrant are not accepted.