



GROUND FIRE HYDRANT



Surface fire hydrant (H1350, H1750, H2150) is an emergency support in accordance with EN 14384, EN 1074-1 / 4.

1. Purpose and technical characteristics:

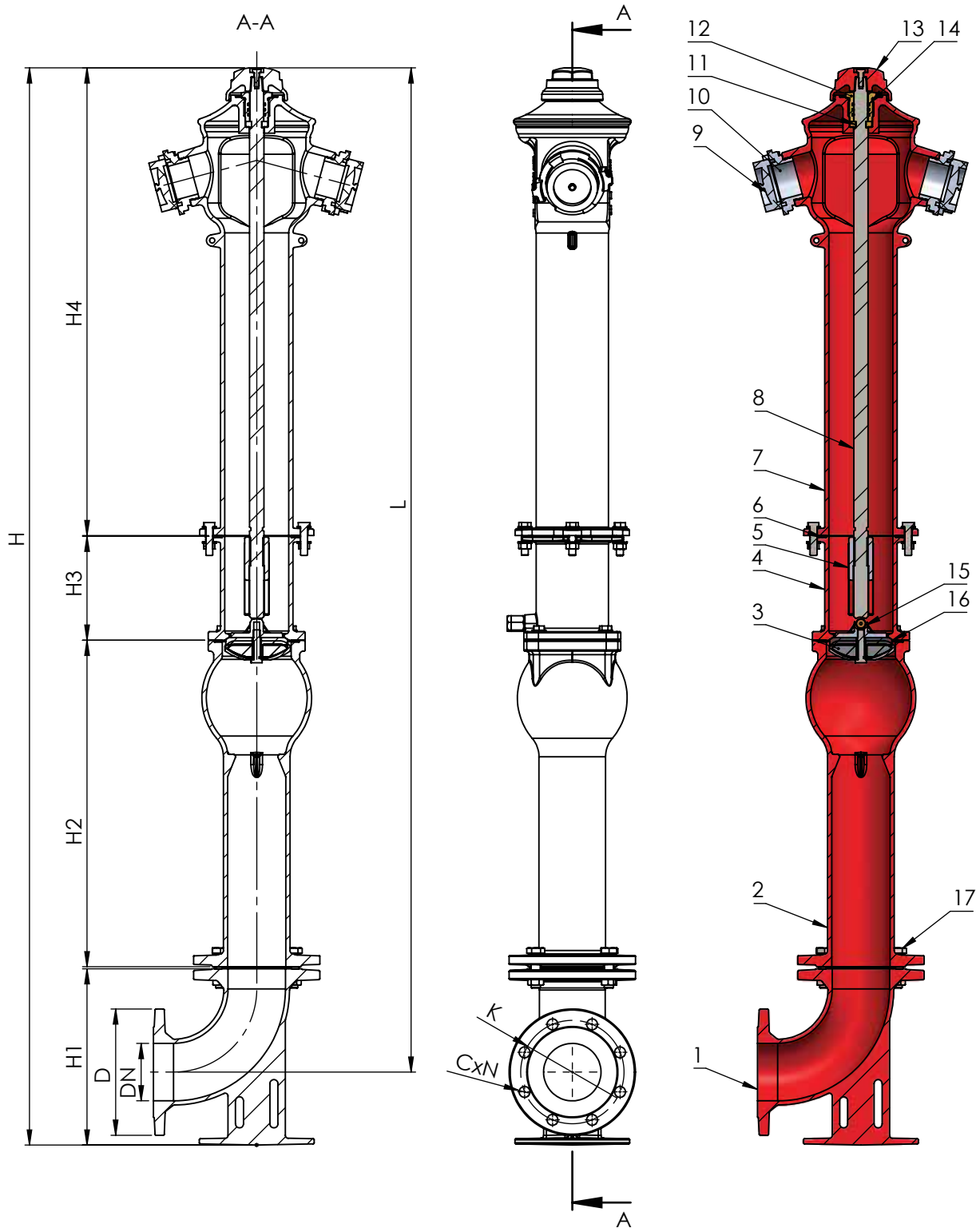
The underground fire hydrant is used for fire protection of catering and household facilities during emergencies, as well as for water supply of fire engines.

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 not 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	Lower Stand Pipe	GJS-400-15	1
3	Disc	GJS-400-15	1
4	Middle Body	GJS-400-15	1
5	Disc Head	GJS-400-15	1
6	Sealing Rubber	EPDM	3
7	Upper Body	GJS-400-15	1
8	Stem	X20Cr13	1
9	Hose Outlet Cover	Aluminium	2
10	Hose Outlet	Aluminium	2
11	Half Washer	Brass	1
12	Nut	Brass	1
13	Bonnet	GJS-400-15	1
14	O-ring	EPDM	1
15	Evacuation Valve	Brass	1
16	Disc Rubber	EPDM	1
17	Bolt	8.8 galvanized	-

DN mm	PN atm	D mm	H1 mm	H2 mm	H3 mm	H4 mm	L mm	H mm	K mm	C mm	N
80	16	200	275	270	180	815	1435	1545	160	19	8
80	16	200	275	570	180	815	1730	1840	160	19	8
80	16	200	275	570	180	815	2140	2250	160	19	8
100	16	220	307	270	180	815	1445	1570	180	19	8
100	16	220	307	570	180	815	1750	1875	180	19	8
100	16	220	307	570	180	815	2145	2275	180	19	8



4. Description of construction:

Ground fire hydrant metal bodies are made of EN GJS 400-15 material in accordance with EN 1563 standard. Stainless stem and connection details 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. The right and last evacuation outlets of the hydrant are made of duralumin material. Flange connections comply with EN 1092-2.

5. Safety instructions:

Ground fire hydrants are products that require 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. If there is pressure inside the body in the closed position of the right and left evacuation discs, then not only should you not try to open the cover, but you should not even stand or pass in front of them. Otherwise, the covers that tear off due to pressure can cause serious injury. Standing in front of the open outlets is not allowed when high pressured water come. It is strictly forbidden to repair hydrants when there is 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. The most important nuance to consider when installing a ground fire hydrant is the part of the hydrant which is above the ground. Before installing the hydrant, the distance of the pipeline to the ground level should be checked, and when ordering a hydrant, the height (H1450, H1750, H2150) should be determined based on measurements. During installation, the connecting bolts of the upper and lower bodies of the hydrant must be visible on the surface. The upper body of such installed hydrants is broken at the time of the accident (any vehicle that collides with the hydrants), and as a result, water loss is prevented despite the fact that the lower body remains in place. In addition, keeping the hydrant above the ground in normal dimension range makes it easier to use the evacuation covers as intended. Otherwise, it would be difficult or impossible to draw water from evacuation outlets which are close to the ground or use it to extinguish fires. 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:

Ground 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 AZERTEXNOLAYN 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 ground fire hydrant are not accepted.