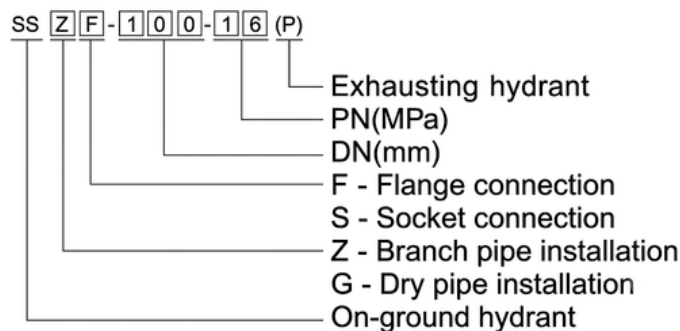


Overview and Applications

Fire hydrants are essential public fire safety facilities in cities, providing water sources during fires to protect people's lives and property. Outdoor above-ground fire hydrants are a crucial part of urban fire systems, allowing direct connection of hoses for firefighting, or supplying water to fire engines or pumps for rescue operations.



Main Technical Parameters

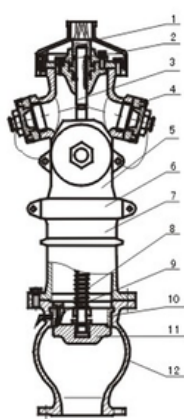
Type		Mounted type	Nominal pressure PN	Applicable temperature	Applicable media
SSZF-100-16	SSZF-150-16	Riser Pipe Mounted Flange connection	1.6MPa	-40℃~80℃	Water, foam mixed liquid
SSZF-100-16P	SSZF-150-16P				
SSGF-100-16	SSGF-150-16	Main Pipe Mounted Flange connection			
SSGF-100-16P	SSGF-150-16P				
SSGF-100-10	SSGF-150-10	Main Pipe Mounted Flange connection	1.0MPa		
SSGF-100-10P	SSGF-150-10P				
SSZS-100-10	SSZS-150-10	Main Pipe Mounted Flange connection			
SSZS-100-10P	SSZS-150-10P				

Main Features

- The valve disc is fully encapsulated with rubber, which improves its corrosion resistance and extends the service life of the fire hydrant.
- Clever automatic drain valve design drains quickly and prevents the fire hydrant from freezing and cracking.
- A special miniature breathing valve structure ensures the inner chamber of the fire hydrant stays open to the air when not in use. This design helps drain remaining water quickly.
- The fire hydrant is equipped with an exhaust valve inside to effectively remove air from the pipeline and ensure the normal supply of firefighting water.
- Featuring a special quick-change breakable ring design, when the fire hydrant is hit, the breakable ring breaks first, effectively protecting other parts. The breakable ring is convenient and easy to replace.
- The upper and lower stems are connected by corrosion-resistant polymer materials, which ensures both a reliable connection and rapid separation.
- Downward-slanting fire nozzle connector prevents hose kinking during use, ensures adequate water flow, and seizes the critical moment for firefighting.
- The mini needle roller bearing design makes the fire hydrant effortless to open and convenient to operate.
- Unless the damage of the seal pair of the main valve, the hydrant can be cared on-line without need to close the overhaul valve on the front end.
- The stem nut uses three ways of O-seal ring, each is tightly against the other one, overcoming the shortcomings of easy water leak and big frictional moment with the packing seal with the conventional ones.
- Both internal and external surfaces of the hydrant are coated with epoxy resin baked paint, non-toxic and non-harmful.



Collision-proof hydrant



Exhausting hydrant

