



Brandweer en Rampenbestrijding
Eilandgebied St. Maarten

FIRE HYDRANTS

This document contains the technical requirements for Fire Hydrants.





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Eilandgebied St. Maarten

Fire Hydrants

- Technical requirements Fire Department
- Drink water supply requirements GEBE

Technical requirements Fire Department:



Fire hydrants should meet the specifications of the Fire Department. The hydrants should be fitted with a 2½ Storz (German) connection as specified per DIN 3222. The hydrants should be placed above ground. The Storz connection must be covered by a blind Storz cover that is attached to the hydrant by a chain.



Storz Cam distance 81 mm



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Blind Storz cover



This adjustable hydrant key fits the valve, which is located on top of the hydrant. The hydrant key is used to open and close the water flow. The hydrant key is also used to open the blind Storz covers.



The hydrant key is also used to open the following valves. A pentagon valve up to 1¾ inch and a square nut valve up to 1¼ inch.

Location:

- If a building is located more that 40 meters away from the nearest hydrant then a hydrant has to be placed on the premises.
- A fire hydrant must be able to supply at least 60 m³ of water per hour for at least 4 hours.



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- Fire trucks should be able to approach fire hydrants over traffic lanes.
- The maximum distance to a hydrant should be 40 meters.
- A hydrant should be available within 35 meters of a dry standpipe.
- All fire hydrants should be placed in such a manner that fire trucks have immediate access of the hydrant at all times.
- No type of object(s) of any kind should be placed around the fire hydrant which causes immediate use of the hydrant to be restricted.
- Fire hydrants should not be placed where vehicles can park.
- Fire hydrants located on sidewalks must be placed at least 35 cm from the curb where vehicles may park perpendicular to the sidewalk, or at least 75 cm from the curb where cars may park parallel to the sidewalk.
- If a fire hydrant is placed in a area where it can be hit by a vehicle then a protective barrier must be placed (built) around the hydrant. The barrier should be placed (built) in such a manner that the placing of fittings or couplings as well as the connecting of the hoses is not hindered in any way.
- Fire hydrants should be furnished and installed by the developer and executed as per specifications of the Fire Department.

Technical requirements Drink water supply (GEBE):

The hydrant needs to be connected to the GEBE water line. GEBE uses 2, 4, 6, 8, and 10-inch diameter water lines.

The Fire Department requires a water supply of 60 m³ per hour from a hydrant.

Therefore a DN 100 hydrant is needed. A DN 100 hydrant has a water capacity of 40 – 80 m³/h. This hydrant has to be placed on a 4-inch water line.

For projects and developing areas existing before the 1st of January 2001 where a 2- inch water line was placed a DN 50 hydrant can be placed with the permission of the Fire Department. A DN 50 hydrant can not supply the required water capacity. A DN 50 hydrant has a water capacity of 0 – 20 m³/h.

For all new projects and developing areas a 4-inch water line has to be placed.

A covered shut off valve must be placed between the GEBE waterline and the fire hydrant (Placed by GEBE).

For more information concerning hydrant connections you can contact GEBE planning division telephone number +599.542-2213.