



West Metro Fire Protection District

Life Safety Division

Technical Bulletin

Subject:	<i>Size and Configuration of Fire Department Connections (FDC)</i>		
Code/Standard:	<i>IFC, All editions</i>	Bulletin No:	2022-003
Bulletin Type:	<input type="checkbox"/> <i>Fire Code Interpretation</i>	Effective Date:	<i>9/1/2022</i>
	<input checked="" type="checkbox"/> <i>West Metro Fire Protection District Policy</i>	Approved By:	<i>K. Brooks</i>

Scope/Purpose:

To set forth acceptable conditions for the installation of a Fire Department Connection in buildings with a sprinkler system and/or standpipe system.

Requirement(s):

Based on the hydraulic demand of a water-based fire protection system, WMFPD requires the following:

1. Systems with a hydraulic demand less than 750gpm require a single 2.5" clappered siamese FDC.
2. Systems with a hydraulic demand equal to or greater than 750gpm require one (1) 2.5" clappered siamese and one (1) 5" Storz FDC on the correct size pipe for the system design. The 5" Storz and the 2.5" clappered siamese must be isolated from each other to prevent back pressure in order to allow the fire department to connect to, and utilize, either the 5" Storz or the 2.5" siamese independently and without affecting the usability of the other.

In addition, the following FDC requirements are applicable:

- A single 2.5" Hose connection FDC is allowed when permitted by the applicable edition of NFPA 13 or NFPA 13R.
- An FDC is not required in a residential 13D fire sprinkler system except where required by NFPA 13D.
- All FDC's, regardless of size or configuration, shall be provided with a ball drip.
- Internal threaded swivel fittings shall be NH/NST pipe threads.
- Storz or threadless connections shall be listed for the use and shall be provided with a weep hole in the cap.

Reference(s):

IFC 912.3, NFPA 13 Sec 6.7

Attachments:

None