

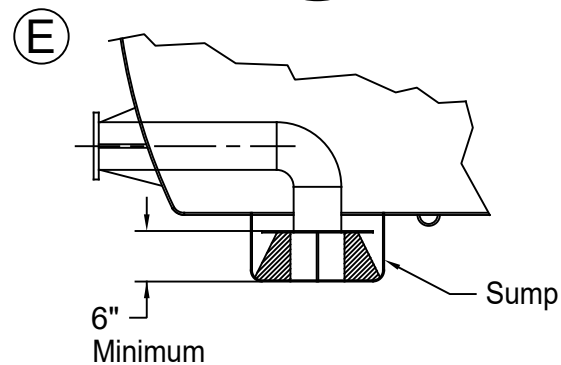
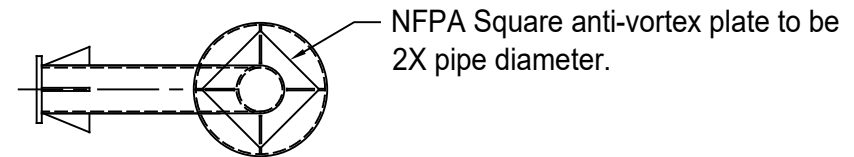
TYPICAL ANTI-VORTEX DEVICES AVAILABLE

Components:

- A. Used with 6" rural suction style dry fire hydrants when lifting water to the truck intake.
- B. Typically used on bottom discharge tank fittings directly feeding a non-fire service pump.
- C. Full drain discharge fitting with fire service anti-vortex plate. We recommend adding 5% to the calculated water volume requirement to provide full pump discharge as the water level approaches the tank floor. Also used in thermal storage applications requiring a well defined thermocline.
- D. Large pipe diameter full drain bottom discharge fitting with anti-vortex plate.
- E. Suction vortex breaker mounted in a sump which allows full usage of available water.

IMPORTANT:

Some loss of pump volume and efficiency can be expected as any tank nears empty. Anti-vortex devices are helpful in maintaining consistent water delivery volume and reducing pump cavitation.



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