**TF 125 lb. Strainer.**

1. **General:**
	1. “Y” Pattern cast iron flanged pipeline strainers shall be installed where shown on plans or required by equipment manufacturers.
	2. Strainer shall remove debris from the pipeline to prevent damage to other equipment. When possible, screen opening size shall be coordinated with the other equipment manufacturers.
2. **Product:**
	1. Y Strainer shall be model **“TF"** as manufactured by The Metraflex Company®, Chicago, IL.
	2. Materials:
		1. Strainer body shall be ASTM A126 B Cast Iron.
		2. Screens shall be Type 304 Stainless steel.
	3. Flanges shall be 125 lb. class cast iron in accordance with ASME B16.5.
	4. Screen perforations shall be:
		1. For liquid service for sizes 2” – 3” perforation shall be .045”.
		2. For liquid service for sizes 4” – 16” perforation shall be .125”.
		3. For steam service for sizes 2” – 6” perforation shall be .045”.
		4. For steam service for sizes 8” – 16” perforation shall be .062”.
	5. Pressure ratings shall be: 

Product Specifications

* + 1. For liquid service 175 PSI at 150⁰ F.
		2. For steam service 125 lb. at 350⁰ F
	1. Strainer shall be manufactured with 0.5” pressure differential ports, with one placed on each side of the screen.
	2. Strainer shall be equipped with a dry well port. Port shall be 1.0”.
1. **Execution:**
	1. Y Strainer shall be installed in accordance with manufacturer’s recommendations and contact requirements.
	2. Pressure drop values shall comply with Fluid Controls Institute Standard for performance testing strainers for liquid service.
	3. Screen perforation shall be in accordance with equipment manufacturer’s recommendations.