**M 2 K N 250 lb. Y Strainer**

Product Specifications

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 **“M 2 K N"** 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 250 lb. class cast iron in accordance with ASME B16.5.
	4. Screen perforations shall be:
		1. For liquid service for sizes 2” – 4” perforation shall be .062”.
		2. For liquid service for sizes 5” – 12” perforation shall be .125”.
		3. For steam service for sizes 2” – 10” perforation shall be .045”.
		4. For steam service for 12” perforation shall be .125”.
	5. Pressure ratings shall be:
		1. For liquid service for sizes 2” – 12” rated for 500 PSI at 100⁰ F.
		2. For steam service for sizes 2” – 12” rated for 250 lb. at 450⁰ F
3. **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.