

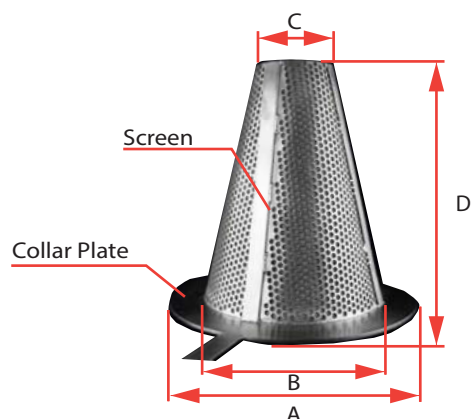
Temporary Strainer-Conical Type

Product Coding
P410601XXX

Introduction

Conical type strainer, also called a temporary conical strainer, is a simple, cost effective filtration device installed temporarily in a pipeline to remove debris, welding slag, scale, rust, and other foreign particles during system startup or commissioning.

It has a cone shaped perforated element that fits between two pipe flanges, providing initial protection to pumps, valves, turbines, compressors, and instruments before the system enters regular operation. After the system is cleaned and stabilized, the conical strainer is typically removed and replaced with a spacer ring or permanent strainer. The strainer is installed between two flanges at the inlet side of the system. The process fluid flows through the perforated cone, and solid impurities are trapped on the inner or outer surface of the screen. The clean fluid continues downstream. After the initial cleaning or flushing period, the strainer is removed, inspected, and either cleaned for reuse or discarded.



Features

- Cost effective
- Reusable
- Providing more depth and surface area than flat type
- Allowing better flow and reduced pressure drop
- Suitable for low volume contamination
- Requires more space in the line but still installed between flanges
- Higher dirt holding than flat type
- Use for short term filtration
- Use during commissioning phase of a system or restart phase
- Use to remove coarse debris

Applications

- Startup and commissioning of pipelines
- Steam lines (protection of traps, regulators, and turbines)
- Water and wastewater systems (pump and valve protection)
- Petrochemical and refinery pipelines
- HVAC and chilled water systems
- Gas and air lines
- Power generation (boiler feedwater, condensate lines)
- Pharmaceutical and food process utilities

Size	2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
A	102	133	171	219	276	337	406	441	511	540	597	708
B	42	68	93	135	185	236	277	309	354	398	443	538
C	22	35	48	68	94	119	140	156	178	200	222	270
D	102	145	183	289	381	457	559	610	711	813	889	1067



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