Filter and Strainer
TEMPORARY STRAINERS

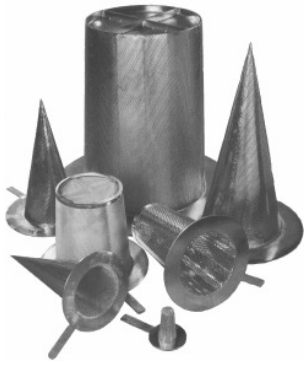

Figure 1 Temporary Strainer

Application

Temporary Strainers are designed for temporary or short periods of operation, for example during commissioning and initial start up periods of new or reconditioned process lines to remove any coarse debris such as rags, welding rods, pipe scale, rust etc., accidentally or unavoidably present within a system. Temporary Strainers are very easy to install and just as easy to remove between two flanges in a pipeline system. They are used in many fluid, steam and gas applications like:

- Pump- and Compressor Protection,
- Flow meter Protection,
- Protection of Control and Relief Valves,
- Protection of Heat Exchangers and Chillers,
- Protection of Steam Traps,
- Protection of Instruments and other Process Equipment

Design and Operation

Temporary Strainers are manufactured of a perforated plate with a welded collar. The collar is used for the fixation of the strainer between two flanges in a pipeline. The medium should flow from the outside to the inside. After a nominal period of operation they are usually replaced with a permanent strainer of a finer retention.

Designed and manufactured are four types of temporary strainers - all available on competitive lead times meeting on site demands:

- Flat Disc or sometimes known as “Tennis Bat“ Strainer
- “Witch Hat“ Conical Basket Strainer
- ”Top Hat“ Conical Basket Strainer
- “Bath Tube“ or “T-Type“ Strainer

Advantage and Utility

- efficient and reasonable strainer
- stable Design
- a short structural shape which requests little space
- no moving parts
- reusable elements

Special Features

The Temporary Strainers convince through the following characteristic features:

- less pressure drop
- large filtration area - increasing of the endurance
- special design to cutomized requirements
- short delivery times by standard sizes (ANSI 150 to 600)

Technische Daten

Medium	
liquids, steams, gases or mixtures	
Engineering Specification	
Flange nominal width	DN 50 to 1200 (2“ to 48“)
Operating Pressure	PN 16 to PN 600*, PN 400 ANSI 150 to ANSI 600*, 2500 lbs
Structural shape short (S) or large (L)	S with 150 % x DN open area L with 200 % x DN open area
Filter fineness (Mesh sizes)	Ø 3 mm perforated plate*; resp. acc. to requirement,
Connection	Collar for flanges acc. to ANSI / DIN
Loading	max. 1 bar differential pressure
Material	*ASME in ()*
Perforated plate	1.4401 (AISI 316)*
Collar	1.4401 (AISI 316)*
Fitting position	horizontal or vertical
Direction of flow	outside to inside or inside to outside or bi-directional with support plate only (without additional Mesh)
Accessories	

- wire netting, in- or outside fixed at carrier plate
- Special designs

* standard design, other on customer’s request

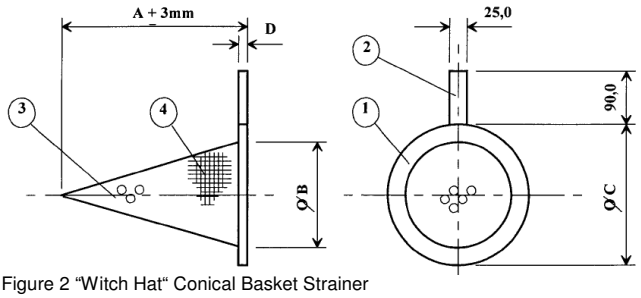

Figure 2 “Witch Hat“ Conical Basket Strainer

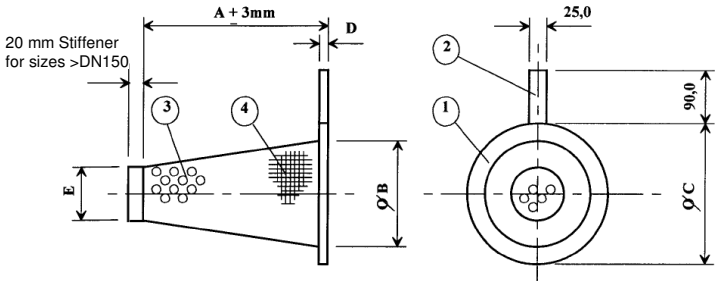

Figure 3 “Top Hat“ Conical Basket Strainer