

T 1010 EN

Type 1 N and Type 1 NI Strainers with threaded end connections

Application

Designed to protect downstream plants, aggregates as well as measuring and control devices against impurities · Straining and collecting dirt particles carried along by the medium.

With body **G ½ to 2 · PN 25 · Suitable for liquids, steam and non-flammable gases up to max. 200 °C**

The strainers consist of a Y-style body with threaded end connections and a wide-meshed filter element (standard strainer insert) or a wide-meshed filter element with an additional fine-meshed filter element (dual strainer insert).

Special features

- Compact design with face-to-face dimensions according to DIN
- Easy removal of the collected dirt particles
- Easy replacement of the strainer insert

Versions

Inlet/outlet: female thread ½" to 2" · PN 25

Type 1 N · With standard strainer insert

Type 1 NI · With dual strainer insert

Brass body · Thread size G ½ to G 2

Principle of operation

The medium flows through the strainer in the direction indicated by the arrow on the body. The uncleaned medium first contacts the inside of the strainer insert (filter element). While it passes through the filter element, the dirt particles carried along by the medium are collected in the filter element. The dirt particles can be removed after unscrewing the screw cap.

Installation

- The direction of flow must match the direction indicated by the arrow on the body. Leave enough space to remove the filter element for cleaning (see Dimensions).
- Install strainers in vertical pipelines with the medium flowing upward with the screw cap facing upward as indicated by the arrow. In this case, dirt particles are retained but not collected.
- Install swing check valves or similar devices to prevent backflow.
- For further details on installation refer to Mounting and Operating Instructions ► EB 1010.

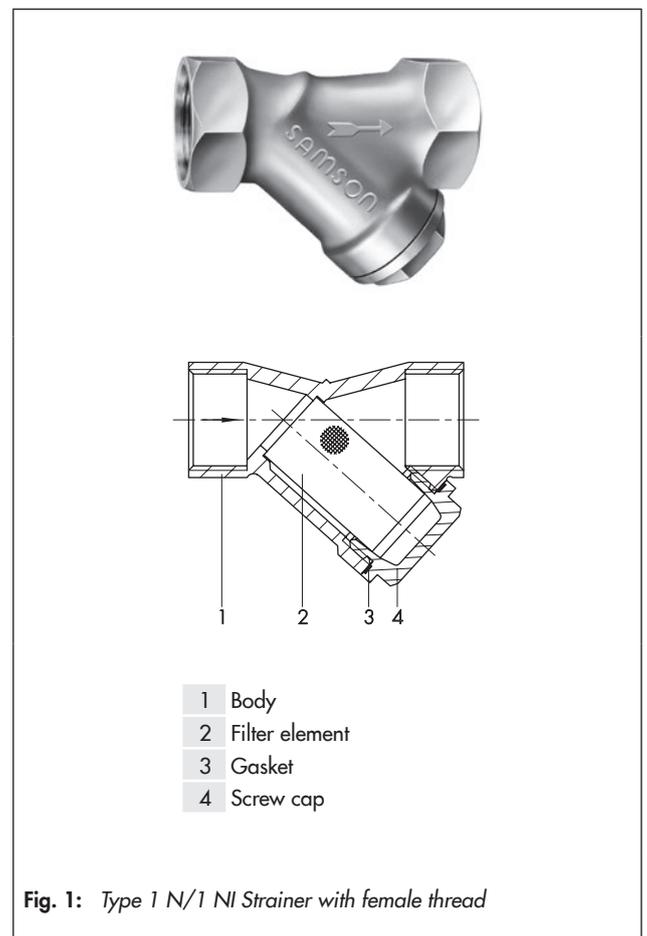


Fig. 1: Type 1 N/1 NI Strainer with female thread

Ordering text

Type 1 N/1 NI Strainer, thread size G ...

Table 1: Technical data

Version		Brass body · PN 25					
Thread size		G ½	G ¾	G 1	G 1¼	G 1½	G 2
Type 1 N							
K_{VS}	m³/h	5.6	10.0	15.6	25.5	40	63
Mesh size	mm	0.5			0.75		
Mesh count per cm²		150			64		
Flow resistance coefficient	ζ	2.5					
Free filter area		Approx. 3 times pipe cross-section					
Type 1 NI							
K_{VS}	m³/h	5.1	9.1	14.3	23.0	36.6	57
Mesh size		0.25					
Mesh count per cm²		625					
Flow resistance coefficient	ζ	3					
Free filter area		Approx. 2.5 times pipe cross-section					

Table 2: Materials

Type ...	1 N/1 NI
Body	Brass CB752S
Screw cap	Brass CB752S
Filter	Stainless steel 1.4401
Gasket	Novatec® Premium

Table 3: Dimensions in mm and weights

Type 1 N/Type 1 NI						
Brass body · PN 25						
Thread size	G ½	G ¾	G 1	G 1¼	G 1½	G 2
SW1	26	32	41	50	54.5	69.5
SW2	19	22	30	32	41	50
Length L	65	75	90	110	120	150
H1	40	45	56	73	84	108
H2 (strainer insert pulled out)	63.5	77	96.5	115	131	160
Weight, approx. kg	0.2	0.3	0.47	0.77	1.35	1.9

Pressure-temperature diagram

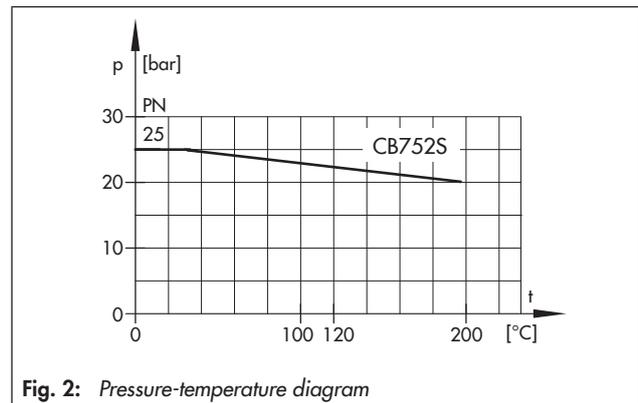


Fig. 2: Pressure-temperature diagram

Dimensions

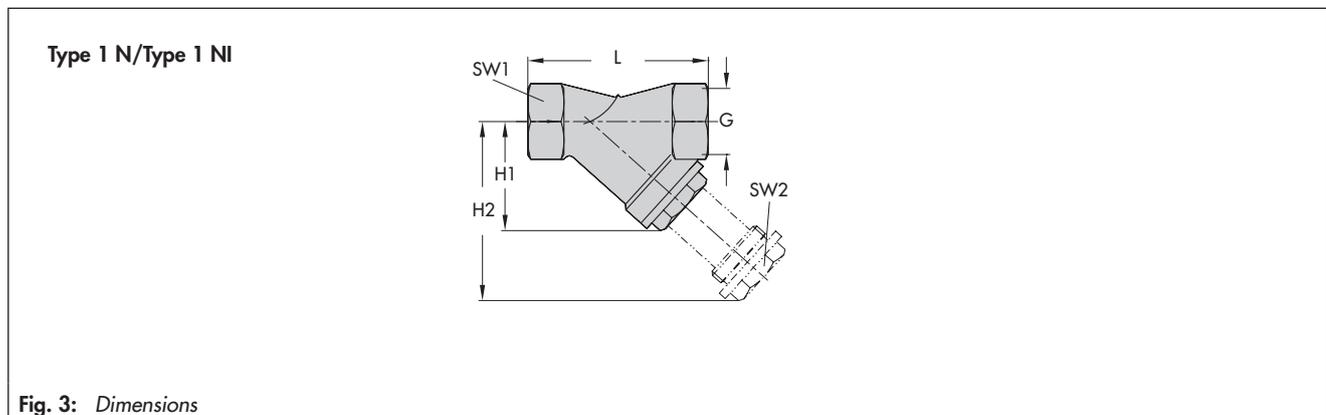


Fig. 3: Dimensions