



**VALVE AND FLOW CONTROL SPECIALISTS**  
*SERVICE AND RELIABILITY*

## Y STRAINERS

**Type 1 N · Type 1 NI** · BRASS & Malleable Iron Bodies : With standard strainer insert

**Application**

Protection of plants, aggregates, measuring and control devices against impurities by straining and collecting of dirt particles carried along in the medium.

Body end connections 3/8 (10nb) to 2" (50nb) PN 25.

For liquids, steam and non-combustible gases up to max. 300 Deg C.

**Conversion of valve sizing coefficients:**

$$Cv \text{ (in U.S.-gallons/min)} = 1.17 \times Kvs \text{ (in m}^3\text{/h)}$$

$$Kvs \text{ (in m}^3\text{/h)} = 0.86 \times Cv \text{ (in U.S.-gallons/min)}$$

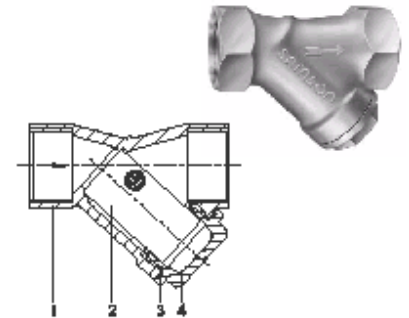


Fig 1 - Type 1 N, Type 1 NI Strainers  
Version of brass or malleable iron

- 1. Body
- 2. Strainer Insert
- 3. Gasket
- 4. Screw Cap

Table 3 - Dimensions in mm and weights

Body of brass, malleable iron or red brass - PN 25								
Connections	G	3/8 <sup>1)</sup>	1/2	3/4	1	1 1/4	1 1/2	2
Length L	64	64	75	90	110	120	150	
Connection thread R	-	3/4"	1"	1 1/4"	1 3/4"	2"	2 1/2"	
Width across flats SW	-	30	36	46	59	65	82	
Length L1	-	80	85	100	120	130	150	
Length L2	-	225	250	265	288	315	350	
Height H1		40	45	56	73	84	108	
Height H2 (strainer insert removed)		61	75	90	115	134	158	
Weight, approx. in kg								
Types 1N/1NI (brass)		0.2	0.3	0.47	0.77	1.35	1.9	
Types 1N/1NI (GTW)	-	0.3	0.5	0.6	0.9	1.6	2.4	
Types 1FN/1FNI (red brass)	-	0.55	0.65	0.8	1.1	1.85	2.6	

<sup>1)</sup> Only Types 1N/1NI with body made of brass

Dimensions

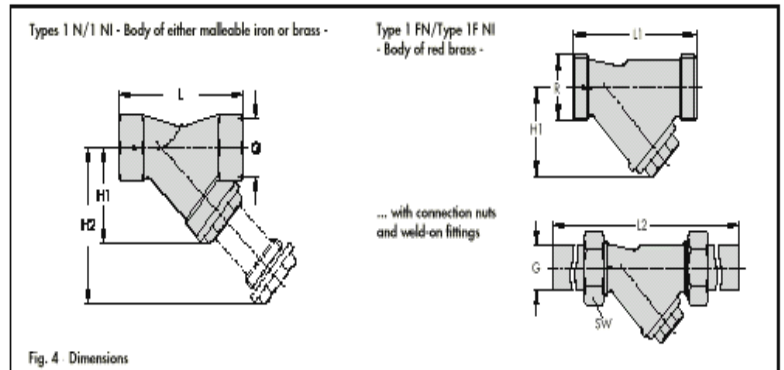


Fig. 4 Dimensions

Specifications subject to change without notice.

VCS also offer strainers in cast iron, cast steel and stainless steel both flanged and screwed.

We recommend all clients consider using strainers as they are an inexpensive item to protect process control valves and steam equipment.

For further technical information please contact your local **VCS** office.