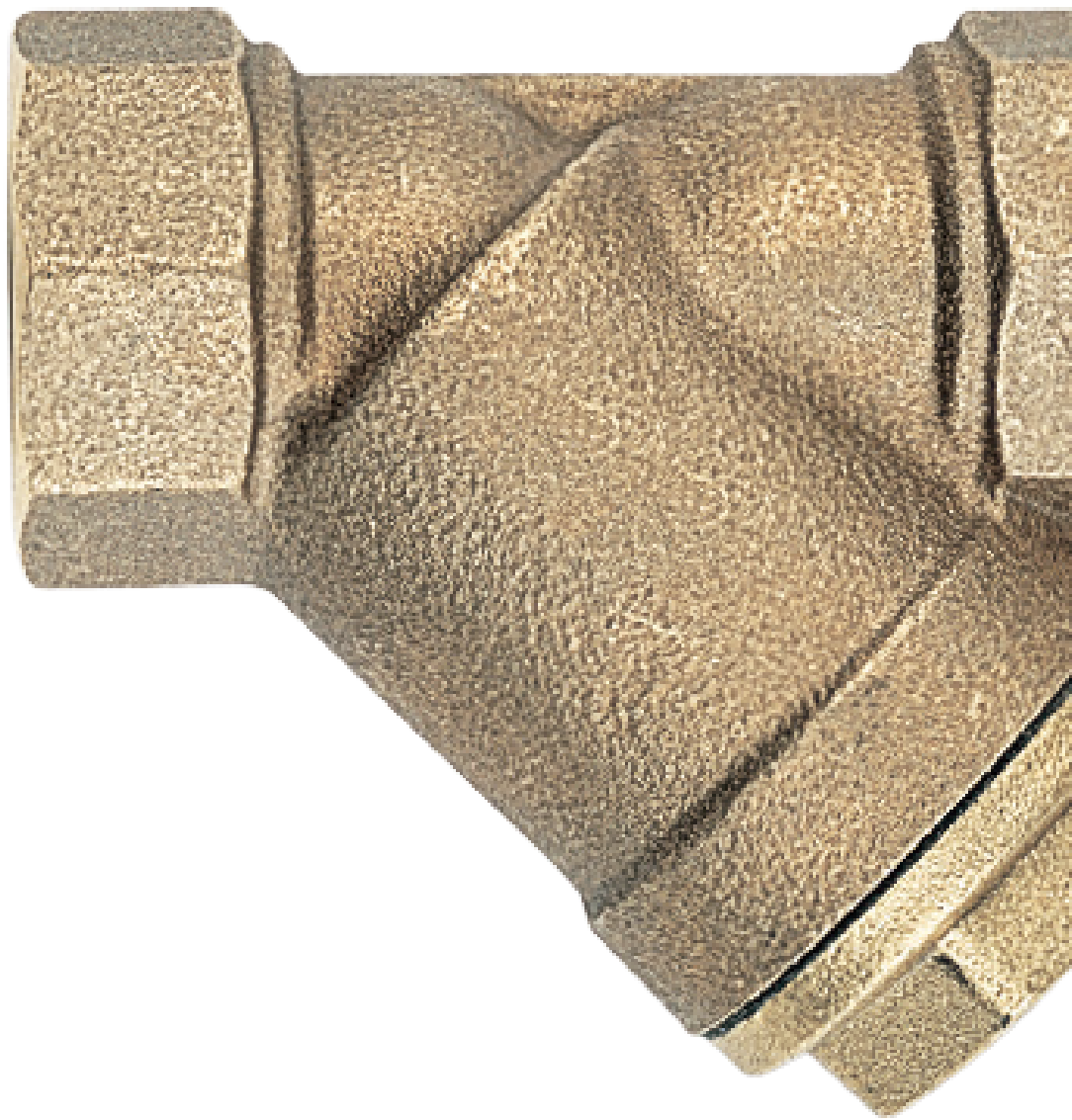


# F21NOR Series

Y-strainers

## Technical Data Sheet



## Description

**F21NOR Series** Y-strainers are debris collectors: they contain a stainless steel mesh sieve, which collects all material filtered out of the fluid. It is always good practice to equip all heating and air conditioning systems with strainers in order to prevent sand and other coarse debris, such as welding slag, metal chips and seal residues suspended in the fluid, from obstructing or damaging the devices installed downstream, such as taps, water treatment devices, backflow preventers, pressure reducing valves, etc.

### F21NOR



Brass Y-strainer with removable stainless steel sieve (AISI 304).  
 Plug with O-ring seal.  
 FF threaded connections, ISO 228.

Type	Part No.	DN	Kvs	Filtration capacity	Weight (Kg)
F21NOR	F21NOR15	1/2"	3,8	500 µm	0,13
F21NOR	F21NOR20	3/4"	7,2	500 µm	0,23
F21NOR	F21NOR25	1"	11	500 µm	0,39
F21NOR	F21NOR32	1.1/4"	13	500 µm	0,55
F21NOR	F21NOR40	1.1/2"	15	500 µm	0,73
F21NOR	F21NOR50	2"	28	500 µm	1,13
F21NOR	F21NOR65F	2.1/2"	77	800 µm	2,16
F21NOR	F21NOR80F	3"	93	800 µm	3,21
F21NOR	F21NOR100F	4"	146	800 µm	6,92

#### Technical features

Nominal pressure	PN20 bar (1/2"-2") - PN16 bar (2.1/2"-4")
Maximum operating temperature	-10÷120°C

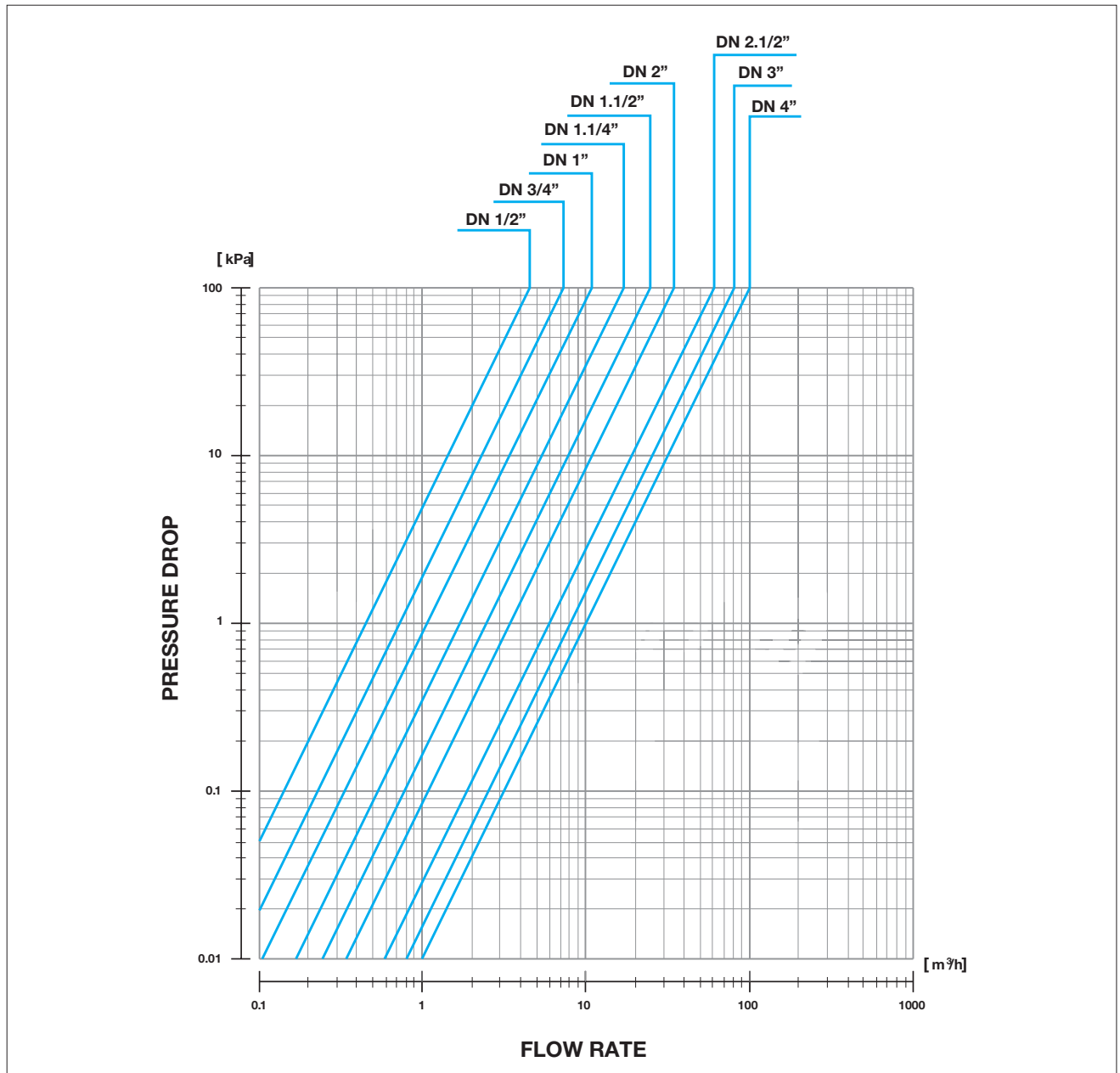
#### Design characteristics

Body with DN 1/2"÷4" threaded connections	CW617N brass
Strainer sieves	AISI 304 stainless steel

## Operation

The fluid is obliged to pass through the sieve from inside to outside, and all debris suspended in the fluid is captured in the sieve as the fluid passes through. In the event of saturation of the sieve, the collected debris prevents the through-flow of fluid, and the special design with reinforced support prevents breakage of the strainer and consequent release of debris into the system.

## Chart



## Installation

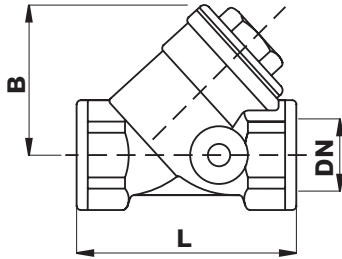
**F21NOR Series** Y-strainers can be installed on both horizontal and vertical pipes. Install the strainer in the direction marked by the arrow and with the plug facing down, so that when you open it, the outflow of fluid carries the debris collected in the sieve with it, thus preventing it from going back into the pipe. When installing the strainer, leave enough space to remove the sieve.

## Maintenance

**F21NOR Series** Y-strainers must be cleaned at scheduled intervals because they cannot be visually inspected for clogging. They are extremely easy to clean, by removing the plug at the bottom of the body. When fitting the strainer on a pipe close to floor level, leave twice the distance L between the pipe centreline and the floor, to allow removal of the strainer sieve. When commissioning a new system, it is good practice to open the installed strainers after a few hours of operation, to clean out the residues typically caused by the fitting of new pipes. After cleaning the strainer, carefully inspect the plug seal, and if in doubt, do not hesitate to replace it with a new one. For certain applications, you are advised to install a pair of pressure gauges, one upstream and one downstream of the strainer, to determine the degree of clogging of the sieve. Before carrying out any maintenance work, make sure the flow of fluid has been shut off.

## Overall dimensions (mm)

### F21NOR



DN	L	B
1/2"	58	40
3/4"	70	48
1"	87	56
1.1/4"	96	64
1.1/2"	106	73
2"	126	88,5
2.1/2"	150	105
3"	169	120
4"	219	162

## Specification text

### **F21NOR Series**

Y-strainer **F21NOR Series** – WATTS brand – with DN 1/2"-4" threaded connections. Brass body. Stainless steel (AISI 304) sieve with high filtration capacity. PN 20 bar (DN 1/2"-2") 16 bar (DN 2.1/2"-4"). Operating temperature range: from -10 to 120°C.

The descriptions and photographs contained in this product specification sheet are supplied by way of information only and are not binding.

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**Watts Industries Italia S.r.l.**

Via Brenno, 21 • 20853 Biassono (MB) • Italy  
Tel. +39 039 4986.1 • Fax +39 039 4986.222  
[infowattsitalia@wattswater.com](mailto:infowattsitalia@wattswater.com) • [www.watts.com](http://www.watts.com)