



## Series W-W4112 (DN50-DN600)

### Y Strainer

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Y Strainer

#### ◆ Application:

The Watts W-W4112 Y Strainer is designed to remove impurities in the medium to protect valve and equipment for normal use. It's generally used in plumbing, HVAC, irrigation, commercial, and industrial application.



#### ◆ Features:

1. Low pressure drop.
2. Simple structure and convenient to clean.
3. Large impuring holding capacity.
4. Other screen perforation size available .
5. Blowout Port.

#### ◆ Operating Principles:

When the media flow through the strainer, the filter screen in the strainer will block solid impurity particles in the media in the screen and allow clean fluid to flow through the screen and discharge from the strainer outlet while the screen hole size can be adjusted based on the size of impurities.

#### ◆ Technical Specification:

<b>Nominal Diameter:</b>	DN50~DN600
<b>Nominal Pressure:</b>	PN16 (PN25 / CL125)
<b>Working Temperature:</b>	0~120℃
<b>Working Medium:</b>	Water, sewage
<b>Filter Screen Diameter:</b>	Refer to the table, the flow area of filter screen is three times of the passage area.
<b>Test Standard:</b>	ISO/DIS 5208: 2007
<b>Flange Standard:</b>	PN16 to BS EN 1092-2 PN25 to BS EN 1092-2 CL125 to ANSI B16.1
<b>Corrosion Protection:</b>	Internally and externally liquid epoxy painted; Color: WATTS blue

#### ◆ Material:

Part	Body	Bonnet	Screen	O-rings
<b>Material</b>	Ductile iron coated with epoxy resin	Ductile iron coated with epoxy resin	Stainless Steel 304	EPDM

Watts product specifications in metric units are provided for reference only. For precise measurements please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

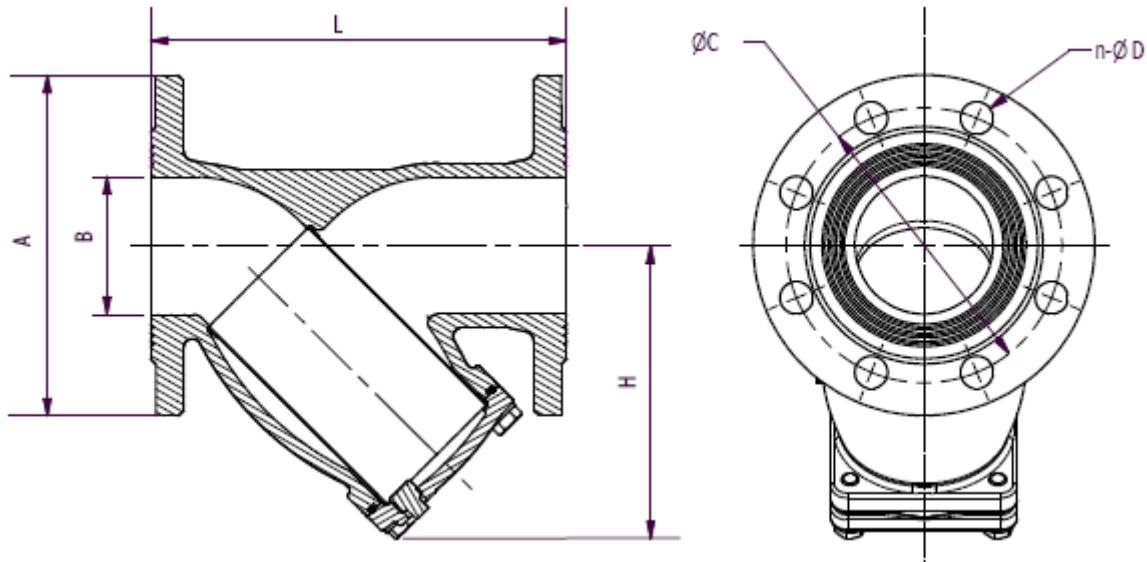


### Installation Dimensions:

Plug size:

DN50-DN80	DN100-DN150	DN200-DN350	DN400-DN600
RC3/8"	RC1/2"	RC3/4"	RC1-1/2"

Connection Dimension: PN16 to BS EN 1092-2



Size(DN)	L	H	A	B	$\varnothing C$	$n-\varnothing D$	Filter Screen Diameter	Weight (Kg)
50	230	135	165	50	125	4- $\varnothing 19$	$\Phi 1.5$	8.5
65	290	165	185	65	145	4- $\varnothing 19$	$\Phi 1.5$	12.94
80	310	180	200	80	160	8- $\varnothing 19$	$\Phi 1.5$	15.86
100	350	210	220	100	180	8- $\varnothing 19$	$\Phi 1.5$	23.86
125	400	265	250	125	210	8- $\varnothing 19$	$\varnothing 3.5$	33.32
150	480	305	285	150	240	8- $\varnothing 23$	$\varnothing 3.5$	43.18
200	600	393	340	200	295	12- $\varnothing 23$	$\varnothing 3.5$	78
250	650	450	405	250	355	12- $\varnothing 28$	$\Phi 5$	129
300	750	532	460	300	410	12- $\varnothing 28$	$\Phi 5$	165
350	850	600	520	350	470	16- $\varnothing 28$	$\Phi 5$	219
400	950	765	580	400	525	16- $\varnothing 31$	$\Phi 5$	370
450	1050	815	640	450	585	20- $\varnothing 31$	$\Phi 5$	500
500	1150	900	715	500	650	20- $\varnothing 34$	$\Phi 5$	850
600	1350	1060	840	600	770	20- $\varnothing 37$	$\Phi 5$	950

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◆ **Typical Application:**

1. Chilled and potable water applications.
2. Environmental protection.
3. Municipal facilities.
4. Electric power and utilities.
5. Construction industry.
6. Petroleum & Chemical industry.
7. Steel & Metallurgy.
8. Papermaking industry.

◆ **Installation Instructions:**

- (1) The installer must be trained or experienced so as to operate the installation correctly.
- (2) A thorough check after installation is needed to ensure no errors.
- (3) Use flange and the corresponding bolts that meet the standard to connect the valve.
- (4) During installation, the direction of flow must be in accordance with the direction of the arrow head on the valve body.
- (5) The system should be cleaned after initial operation for a period of time (generally not longer than one week) so as to remove impurities and pollutants accumulated in the screen during initial operation of the system. Thereafter, cleaning should be conducted regularly. The cleaning frequency depends on working conditions.