EV1555 Flanged Y-Strainer

For filtering of heating, cooling, and potable systems on flanged pipework

Overview

The WRAS approved flanged Y-Strainer provides filtering of hot and cold-water systems for a wide variety of applications including potable water, HVAC, oil, and gas production, marine, chemical, wastewater and mining. Note: unsuited to petroleum services, steam services, or services where the working pressure or temperature fall outside of ranges stated.

Features and Benefits

- Fully stocked from DN50-DN300, with other sizes available on request up to and including DN600
- Drain plug fitted as standard for easy system maintenance
- Fusion bonded epoxy coating in accordance with ANSI/AWWA C550
- PN16 flange to BS EN 1092-2:1997
- Testing standard to EN12266-1
- Design standard to EN558-1
- Working Pressure PN16
- Regulation 4 approved for use on potable water systems

WRAS APPROVED PRODUCT
CERTIFICATION MARK

Technical Specification

Specification	
Medium	Heating, cooling, and potable water systems
Maximum working pressure	PN16
Working temperature range	0 – 60°C
Installation	Vertical or horizontal
Connection	Flanged PN16
Paint RAL	RAL5005

Product Codes

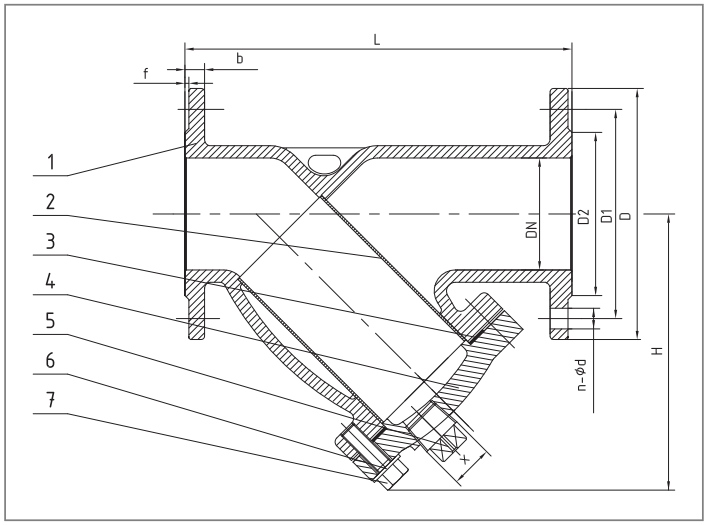
Product Code	Size		Weight (kg)
	DN (mm)	NPS (inches)	
EV1555-050	DN50	2”	8.25
EV1555-065	DN65	2 ½”	11.67
EV1555-080	DN80	3”	13.45
EV1555-100	DN100	4”	17.19
EV1555-125	DN125	5”	28.11
EV1555-150	DN150	6”	34.80
EV1555-200	DN200	8”	62.45
EV1555-250	DN250	10”	96.17
EV1555-300	DN300	12”	156.63

Technical Details

Flanged Y-Strainer

Dimensions

Size		Dimension (mm)								
DN	Inch	L	D	D1	D2	b	n-Φd	f	H	x
DN50	2”	230	165	125	99	19	4-Ø19	3	155	½”
DN65	2 ½”	290	185	145	118	19	4-Ø19	3	175	1”
DN80	3”	310	200	160	132	19	8-Ø19	3	198	
DN100	4”	350	220	180	156	19	8-Ø19	3	229	
DN125	5”	400	250	210	184	19	8-Ø19	3	287	1 ¼”
DN150	6”	480	285	240	211	19	8-Ø23	3	304	1 ½”
DN200	8”	600	340	295	266	20	12Ø23	3	370.5	
DN250	10”	730	405	355	319	22	12Ø28	3	469	2”
DN300	12”	850	460	410	370	24.5	12Ø28	4	540	

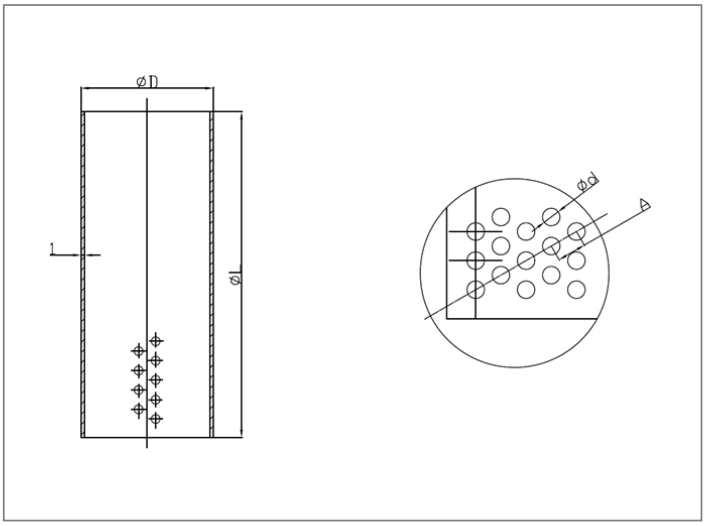


Materials

Description		Material	Grade
1	Body	Ductile iron	EN-GJS-450-10
2	Screen	Stainless steel	SS316
3	Gasket	Rubber	EPDM
4	Bonnet	Ductile iron	EN-GJS-450-10
5	Plug	Stainless steel	SS316
6	Bolt	Stainless steel	SS316
7	Flat washer	Stainless steel	SS316

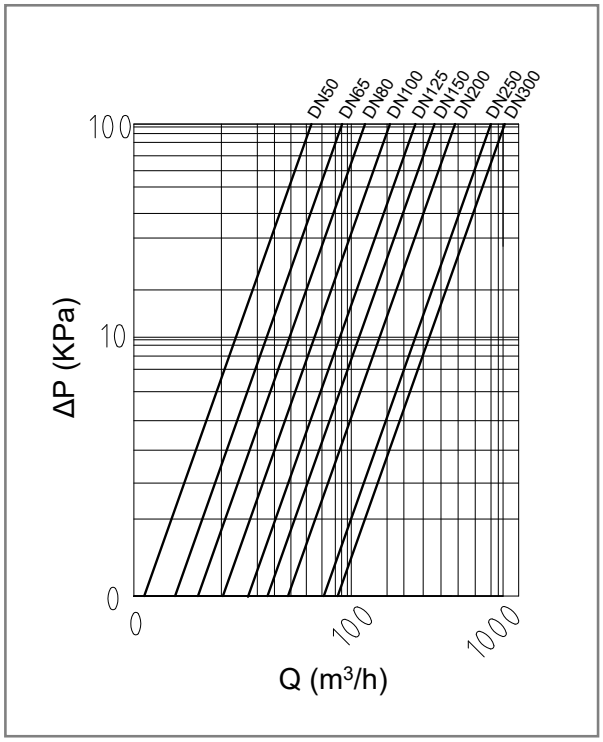
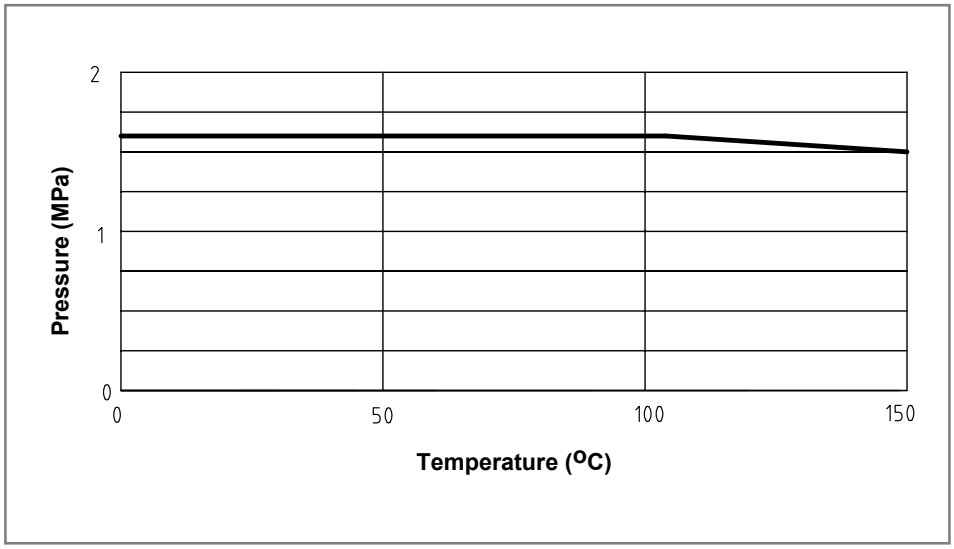
Mesh Size

Size	D (mm)	L (mm)	d (mm)	A (mm)
DN50	57	107	1.5	2.5
DN65	70	133	1.5	2.5
DN80	82	146	1.5	2.5
DN100	106	176	1.5	2.5
DN125	133.5	240	1.5	2.5
DN150	156	233	1.5	2.5
DN200	208	297	2	4
DN250	260	356	2	4
DN300	312	430	2	4



Pressure Drops

Y-Strainer



Size	Kv (m³/h)
DN50	51.3
DN65	82.2
DN80	137.3
DN100	214.6
DN125	335.31
DN150	482.85
DN200	579.6
DN250	799.7
DN300	1151.57