BS FLANGED Y-TYPE STRAINER

FOR FIRE PROTECTION

Type: V4 **Doc No: DS-922-V4-01-E-X**

1.0 PRODUCT OVERVIEW

The strainer mainly removes impurities in the medium through the filter to prevent particulate impurities from entering the passage and causing wall plugs to protect the fittings on the equipment pipeline from wear and blockage.

Dimensions:

1/2”(DN15)-24”(DN600)

Design Standard:

ASME B16.42

Connection Standard:

EN1092-2 PN10/16

Working Pressure:

PN16, PN10

Application:

The British standard flanged strainer is mainly applied in the Fire-protection system, working temperature is from 0℃ to 80℃.

Material of Matching Products:

Ductile iron flange according to BS EN 1092-2
Cast iron flange according to BS EN 1092-2

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Location:_____ Date:_____Approved& Date: _____

Steel flange according to BS EN 1092-1

Surface Treatment:

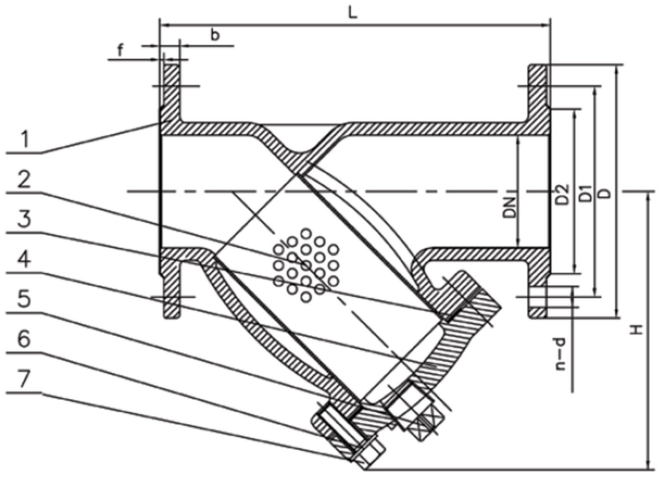
☐ Epoxy power painting (color numbers as RAL3000, RAL3001,RAL3009, etc)
☐ Painting (color numbers as RAL3000, etc)
☐ Others would be available upon clients' detailed request

2.0 APPROVALS

c UL us LISTED NSF/ANSI 61 NSF/ANSI 372

3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	Valve Body	Ductile iron EN-GJS-450-10	
2	Screen	Stainless Steel 304	SS304,SS316(Perforated, Knitted, Double Screen)
3	Bonnet	Ductile iron EN-GJS-450-10	
4	Gasket	EPDM	Graphite + Acanthopore Plate
5	Plug	Malleable Iron Galvanized	
6	Bolt	Carbon Steel Zinc Plated	SS304, SS316
7	Flat Washer	Carbon Steel Zinc Plated	SS304, SS316

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4.0 DIMENSIONS AND PERFORMANCE

DN	PN	L（mm）	D（mm）	D1（mm）	D2（mm）	b（mm）	n-Φd（mm）	f（mm）	H（mm）
15	10/16	130	95	65	45	14	4-Φ14	2	59
20	10/16	150	105	75	56	16	4-Φ14	2	68
25	10/16	160	115	85	65	16	4-Φ14	3	70
32	10/16	180	140	100	76	18	4-Φ19	3	86
40	10/16	200	150	110	90	19	4-Φ19	3	140
50	10/16	230	165	125	99	19	4-Φ19	3	140
65	10/16	290	185	145	118	19	4-Φ19	3	175
80	10/16	310	200	160	132	19	8-Φ19	3	198
100	10/16	350	220	180	156	19	8-Φ19	3	229
125	10/16	400	250	210	184	19	8-Φ19	3	287
150	10/16	480	285	240	211	19	8-Φ23	3	304
200	10	600	340	295	266	20	8-Φ23	3	370.5
	16						12-Φ23	3	
250	10	730	405	350	319	22	12-Φ23	3	469
	16			355			12-Φ28	3	
300	10	850	460	400	370	24.5	12-Φ23	4	540
	16			410			12-Φ28		
350	10	838	520	460	429	26.5	16-Φ23	4	625
	16			470			16-Φ28		
400	10	864	580	515	480	28	16-Φ28	4	715
	16			525			16-Φ31		
450	10	1200	640	565	530	30	20-Φ28	4	862
	16			585	548		20-Φ31		
500	10	1250	715	620	582	31.5	20-Φ28	4	926
	16			650	609		20-Φ34		
600	10	1450	841	725	682	36	20-Φ31	5	1057
	16			770	720		20-Φ37		

Pressure loss at 15FT/SEC for strainers

DN	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Flow loss（PSI)	5.74	3.68	3.79	3.91	4.5	4.3	4.13	3.92	3.27

5.0 REFERENCE MATERIALS

Approved certification for Strainer

Sign Off:

Owner:_____ Contractor:_____ Engineer: _____

Location:_____ Date:_____Approved& Date: _____