

AMERICAN STANDARD FLANGED Y-TYPE STRAINER FOR WATERWORKS

Type: V4

Doc No: DS-901-V4-01-E-S

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:

2"(DN50)-16"(DN400)

Design Standard:

ASME B16.42

Connection Standard:

ASME B16.1 CLASS 125

Working Pressure:

300PSI, 250PSI, 200PSI

Application:

The American standard flanged strainer is mainly applied in the waterworks system, working temperature is from 0°C to 100°C for rubber gasket and from -10°C to 200°C for graphite gasket.

Material of Matching Products:

Flanged pipes in accordance with American Standard ASME B16.1 CL125

Surface Treatment:

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

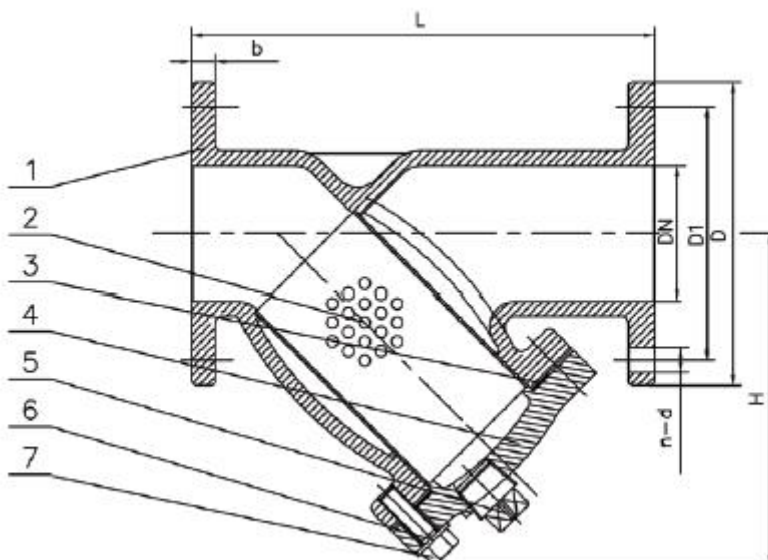
- ☐ Epoxy power painting (color numbers as RAL5002, RAL5005, etc)
- ☐ Painting (color numbers as RAL5005, etc)
- ☐ Others would be available upon clients' detailed request

2.0 APPROVALS



3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536,65-45-12	
2	Screen	ASISI 304(Perforated)	ASISI 316(Perforated, Knitted, Double Screen)
3	Bonnet	ASTM A536,65-45-12	
4	Gasket	Graphite+Acanthopore Plate	EPDM
5	Plug	Malleable Iron Galvanized	Bronze ASTM B584
6	Bolt	Carbon Steel Zinc Plated	AISI 304, AISI 316
7	Flat Washer	Carbon Steel Zinc Plated	AISI 304, AISI 316

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4.0 DIMENSIONS AND PERFORMANCE

DN		PN	Dimensions(mm)					
inch	mm	PSI	L	D	D1	b	n-d	H
2"	50	300	200	152	120.5	16	4-19.1	155
2 1/2"	65	300	254	178	139.5	17.5	4-19.1	165
3"	80	300	257	191	152.5	19	4-19.1	180
4"	100	300	308	229	190.5	24	8-19.1	229
5"	125	300	397	254	216	24	8-22.2	285
6"	150	300	470	279	241.5	25.5	8-22.2	311
8"	200	300	549	343	298.5	28.5	8-22.2	394
10"	250	300	654	406	362	30.5	12-25.4	487
12"	300	300	759	483	432	32	12-25.4	547

Pressure loss at 15FT/SEC

DN/NPS	2	2.5	3	4	6	8	10	12
Flow Loss (PSI)	6.72	4.18	3.82	3.76	4.44	3.9	3.56	3

5.0 REFERENCE MATERIALS

Approved certification for Strainer

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____