

CI Y-STRAINER FLANGED PN16

Cast Iron Y Type Strainer · Flanged Both Ends to BS 4504 · Stainless Steel Screen

BRAND: SW FLOW CONTROLS

SKU: SWBM-023

SIZE 2" TO 12"

PN16

BS 4504 FLANGES



FIG. 1 | CI Y-STRAINER FLANGED PN16

PRODUCT OVERVIEW

The CI Y-Strainer Flanged PN16 protects pumps, control valves, meters and instruments from pipe scale, weld slag and other debris carried in the line. The body is cast iron with an angled branch that holds a stainless steel screen in the flow path.

Debris collects in the removable screen and is cleared by taking off the cover, so the strainer can be serviced without cutting the valve out of the line. Both ends are flanged and drilled to BS 4504, and the valve is offered in PN10 and PN16, with this listing covering PN16.

Product type **Y type strainer, flanged**

Body material **Cast iron or ductile iron**

Screen material **Stainless steel**

Flange drilling **BS 4504**

Pressure rating **PN16**

Size range **2" to 12"**

TECHNICAL SPECIFICATION

Body	Cast iron or ductile iron	Working pressure	PN16
Bonnet	Cast iron or ductile iron	Shell test	PN24
Screen	Stainless steel	Seat test	PN17.6
Flange drilling	BS 4504	Also available	PN10 rating
Face to face	Manufacturer standard	Drain	Plugged drain boss on cover
Size range	2" to 12"	Mounting	Horizontal, branch downward

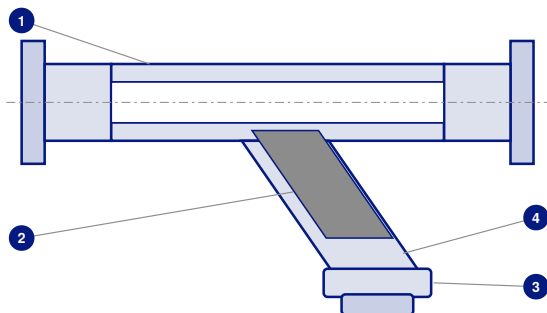


PRODUCT DATA SHEET

CI Y-STRAINER FLANGED PN16

Ref. SWBM-023 | Rev. 01

BILL OF MATERIALS



#	COMPONENT	MATERIAL
1	Body	Cast iron or ductile iron
2	Screen	Stainless steel
3	Cover / bonnet	Cast iron or ductile iron
4	Drain plug	Steel
5	Cover gasket	Non asbestos
6	Cover bolting	Carbon steel

Screen perforation is selected to suit the duty and is confirmed at order stage. A blowdown valve can be fitted to the drain boss so the strainer can be flushed without opening the cover.

FIG. 2 | SECTIONAL ARRANGEMENT, PRINCIPAL COMPONENTS
NUMBERED PER THE BILL OF MATERIALS

DIMENSIONS AND WEIGHTS

SIZE	L (MM)	H (MM)	FLANGE DIA. (MM)	NO. OF HOLES	HOLE DIA. (MM)	P.C.D (MM)
2"	251	160	165	4	18	125
2.1/2"	289	185	185	4	18	145
3"	317.5	200	200	8	18	160
4"	378	225	220	8	18	180
5"	420	280	250	8	18	210
6"	517.5	360	285	8	22	240
8"	609.5	440	340	12	22	295
10"	749	525	405	12	26	355
12"	857	585	460	12	26	410

L = face to face, H = overall height including the strainer branch. Flange figures are the PN16 drilling to BS 4504. Dimensions are taken from the manufacturer catalogue and are nominal. Certified drawings are issued on request.



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ORDERING INFORMATION

FIELD	OPTIONS
Product description	CI Y-Strainer Flanged PN16
SKU	SWBM-023
Size	2" to 12"
Rating	PN16. PN10 on request
Body	Cast iron or ductile iron
Screen	Stainless steel, perforation to suit duty
Order example	SWBM-023 / 4" / PN16 / CAST IRON / SS SCREEN

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

COMPLIANCE AND QUALITY

- Flange drilling to BS 4504
- Shell tested at PN24
- Seat tested at PN17.6
- Stainless steel screen as standard
- Material certificate available on request

INSTALLATION

- Check that the gaskets, bolts and flange faces are clean before assembly
- Tighten flange bolts evenly in a diagonal sequence
- Do not use the valve to pull misaligned pipework into line
- Support the adjacent pipework so the valve carries no bending load
- Install with the strainer branch pointing downward or sideways, never up
- Leave clearance below the branch to withdraw the screen

TYPICAL APPLICATIONS

- Pump and control valve protection
- Water distribution and booster sets
- HVAC and chilled water circuits
- Fire fighting mains
- Irrigation and landscape systems
- General industrial pipework

OPERATION AND MAINTENANCE

- Check the differential pressure regularly and clean before it rises
- Clean the screen after the first days of operation on a new system
- Inspect the screen for splits or distortion at every clean
- Renew the cover gasket whenever the cover is removed

COMPANY

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