

Y-Type Strainers

Overview Y-type strainers are an economical means of protecting your flowmeter from contamination by solids, sealing tape and other foreign objects. These strainers are fitted with a primary and secondary screen insert that can be easily removed for inspection and clearing. A drain plug is provided to remove residual liquid prior to unscrewing the bonnet providing access to the screen. The Y type strainers are available with threaded process connections in BSP female or NPT female, as well as flanged ANSI 150 or ANSI 300 RF.

Specification

Body: 316 (ASTM A-51 Grade CF8M) or Carbon Steel (WCB)
 Working pressure: 54 bar (800 psi)
 Working Temperature: 120°C
 End Connections: Threaded female (standard)
 Pressure Drop: Refer factory
 Replacement Mesh Inserts: Refer factory

Materials List

PART DESCRIPTION	MATERIAL
Body	(CF8M) 316SS or (WCB) Carbon Steel
Screen	316SS
Gasket	PTFE
Bonnet	(CF8M) 316SS or (WCB) Carbon Steel
O Ring	Viton
Plug	(CF8M) 316SS

Larger area basket type strainers are also available for high flow installations. Refer to the factory for details.

Model Coding

Size	
YS006	6mm (1/4" process connection)
YS008	8mm (3/8" process connection)
YS015	15mm (1/2" process connection)
YS025	25mm (1" process connection)
YS040	40mm (1 1/2" process connection)
YS050	50mm (2" process connection)
YSXXX	Where XXX denote strainer size

Materials

S	316 Stainless Steel body & screen element, teflon steel
C	Carbon Steel (WCB) Body with CF8M (316SS) plug and screen element

Mesh sizing

1	20 Mesh (850 microns)
2	40 Mesh (400 microns)
3	50 Mesh (300 microns)
4	75 Mesh (200 microns)
5	80 Mesh (175 microns)
6	100 Mesh (150 microns)
7	200 Mesh (75 microns)
9	Special Mesh

Process connections

1	BSP female threaded
2	NPT female threaded
4	ANSI 150 RF flanges
5	ANSI 300 RF flanges
9	Customer nominated connections

Model No. Example

YS015	S	5	4
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Dimensions (mm)

Threaded units

Model	Size	Length (mm)	Height (mm)	Size
YS006	6mm (1/4" process connection)	65.0	51.0	DN8
YS008	8mm (3/8" process connection)	65.0	51.0	DN10
YS015	15mm (1/2" process connection)	65.0	51.0	DN15
YS025	25mm (1" process connection)	90.0	72.0	DN25
YS040	40mm (1 1/2" process connection)	120.0	87.0	DN40
YS050	50mm (2" process connection)	140.0	103.0	DN50

ANSI150 Flanged units

Model	Size	Length (mm)	Height (mm)	Size
YS015	15mm (1/2" process connection)	152.0	70.0	DN15
YS025	25mm (1" process connection)	189.0	92.0	DN25
YS040	40mm (1 1/2" process connection)	181.0	109.0	DN40
YS050	50mm (2" process connection)	218.0	146.0	DN50
YS065	65mm (2.5" process connection)	261.0	180.0	DN65
YS080	80mm (3" process connection)	295.0	200.0	DN80
YS100	100mm (4" process connection)	361.0	240.0	DN100
YS125	125mm (5" process connection)	470.0	300.0	DN125
YS150	150mm (6" process connection)	469.0	340.0	DN150
YS200	200mm (8" process connection)	630.0	460.0	DN200
YS250	250mm (10" process connection)	663.0	495.0	DN250
YS300	300mm (12" process connection)	772.0	575.0	DN300