06

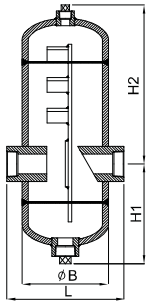
YSS-100S/F Type Drain Separator

This product ensures that there is no pressure loss within the pipeline, and is designed in a way that allows an effective water separation function even when there are flow velocity changes. It can thus be used for steam pipelines as well as compressed air pipelines.

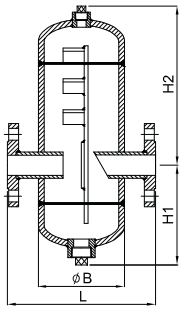
Features

- Protects process facilities & extends life span by preventing damage caused by Water Hammer in steam system.
- Shield board designed condensate which is separated steam's flow efficiently gathered at discharge point.
- Almost no pressure loss within pipeline, efficiently separates condensate even in extensive flow velocity changes.

Dimensions drawing



SCREW TYPE



FLANGE TYPE

Specitications

Applicable fluid		Steam	
Applicable pressure		Maximum 2.0MPa	
Fluid temperature		220°C below	
End connection		KS PT SCREW	KS 20K RF FLANGE
Materials	Body	SPPS	
	Screen	STS	
Hydraulic test pressure		3.0MPa	

▶ In terms of the end connection, the PT, NPT, KS, and ANSI standards can be applied.
▶ Creating an order for 10K.

Dimensions

(mm)

Size	L	H1	H2	ØB	Weight(kg)
15(½")	160(120)	125	175	76	4.1
20(¾")	200(136)	124	200	89	5.9
25(1")	220(162)	131	223	114	8.9
32(1¼")	240(190)	162	258	139	14.1
40(1½")	280(220)	175	320	165	18.7
50(2")	290(220)	209	352	165	21.8
65(2½")	350	246	409	216	37
80(3")	410	305	437	267	60
100(4")	468	367	463	318	85
125(5")	556	350	532	355	136
150(6")	656	375	575	406	195
200(8")	898	421	667	508	313

▶ Made-to-orders are available for water separators with a size of 250 or larger.
▶ Dimensions in parentheses are for the screwed type.

Installation and application in a steam pipeline

- The diameter of the water separator should be the same as the pipeline diameter. The separator should be installed in a horizontal pipeline.
- The condensate gathered at the discharge point of the separator should be immediately discharged. This is why there is a need to install a float steam trap on the lower part.

Application Diagram[Example]