

Type YSD-1, 2, 3 / 1, 2, 3R Intelligent Suction Diffuser

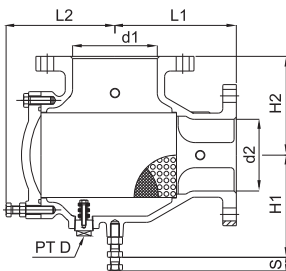


Type YSD-1, 2, 3

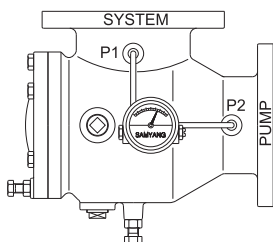


Type YSD-1, 2, 3R

Dimensional drawing



Type Flanged



Type Flanged (Standard)

Features

- Structure to verify whether internal screen need cleaning.
- Quick-changeable hinge structure enable quick cleaning of the screen.
- Built-in magnet protects the pump & pipeline from damage caused by iron content & welding slags.
- Maximized pump efficiency & little pressure loss by outlet side located vane.

Specifications

Type	YSD-1, 1R	YSD-2, 2R	YSD-3, 3R
Applicable fluid	Water, Liquid		
Applicable pressure	Maximum 10kgf/cm ² g	Maximum 20kgf/cm ² g	Maximum 30kgf/cm ² g
Fluid temperature	Maximum 80° C	Maximum 120° C	Maximum 120° C
End connection	KS 10K FF FLANGED	KS 20K RF FLANGED	KS 30K RF FLANGED
Materials	Body	GC200	SCPH2
	Screen	STS304	
	Gasket	NBR, EPDM	EPDM
	Drain plug	SS400, GC200	
Hydraulic test pressure	15 kgf/cm ² g	30 kgf/cm ² g	45 kgf/cm ² g

Categorization of types

Category	Main functions
YSD-1, YSD-2, YSD-3	Suction diffuser + Built-in magnet + Pressure loss measuring device (Standard)
YSD-1R, YSD-2R, YSD-3R	Suction diffuser + Intelligent element

Dimensions

(mm)

Systm (d1)	Pump (d2)	L1	L2	H1	H2	S	PT D
50(2")	50A	113	78	110	78	10	3/8
65(2 1/2")	65A	125	89	115	121	10	3/8
80(3")	80A	144	109	124	140	10	1/2
	65A	144	109	124	140	10	1/2
100(4")	100A	180	164	150	160	12	3/4
	80A	180	164	150	160	12	3/4
	65A	180	164	150	160	12	3/4
125(5")	125A	215	192	175	181	12	1
	100A	180	163	150	160	12	3/4
	80A	180	163	150	160	12	3/4
150(6")	150A	250	224	205	212	14	1
	125A	215	193	175	181	12	1
	100A	215	193	175	181	12	1
250(10")	200A	320	285	260	274	17	1 1/4
	150A	250	223	205	216	14	1
	125A	250	223	205	216	14	1
250(10")	250A	360	330	310	323	18	1 1/4
	200A	320	280	260	274	17	1 1/4
	150A	320	280	260	274	17	1 1/4
300(12")	300A	410	372	360	392	23	1 1/2
	250A	360	332	310	323	18	1 1/4
	200A	360	332	310	323	18	1 1/4
350(14")	350A	480	421	390	421	23	2
	300A	410	372	360	392	23	1 1/2
	250A	360	331	310	323	18	1 1/4
400(16")	400A	560	484	450	471	23	2
	350A	560	484	450	471	23	2
	300A	560	484	450	471	23	2
450(18")	450A	640	550	510	535	28	2
500(20")	500A	710	610	570	590	30	2
550(22")	550A	780	670	625	650	34	2
600(24")	600A	840	720	680	710	40	2

※ Reducing sizes of the outlet side (d2), other than those listed above, are available based on customer request.