

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

## 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.



YSD-1, 2, 3 Type

## Specifications

Type	YSD-1,1R	YSD-2, 2R	YSD-3,3R
Applicable fluid	Water, Liquid		
Applicable pressure	Maximum 1,0MPa	Maximum 2,0MPa	Maximum 3,0MPa
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	GCD450
	스크린	STS304	
	GASKET	EPDM	
	DRAIN PLUG	SS400, GC200	
Hydraulic test pressure	1,5MPa	3,0MPa	4,5MPa

## 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

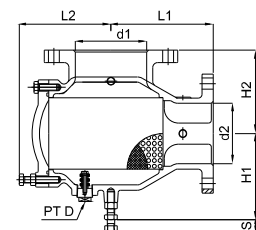
(mm)

SYSTEM(d1)	PUMP(d2)	L1	L2	H1	H2	S	PT D
50A	50A	113	78	110	78	10	3/8
65A	65A	125	89	115	121	10	3/8
80A	80A	144	109	124	140	10	1/2
	65A	144	109	124	140	10	1/2
100A	100A	180	164	150	160	12	3/4
	80A	180	164	150	160	12	3/4
125A	65A	180	164	150	160	12	3/4
	125A	215	192	175	181	12	1
	100A	180	163	150	160	12	3/4
150A	80A	180	163	150	160	12	3/4
	65A	180	163	150	160	12	3/4
	150A	250	224	205	212	14	1
200A	125A	215	193	175	181	12	1
	100A	215	193	175	181	12	1
	200A	320	285	260	274	17	1 1/4
250A	150A	250	223	205	216	14	1
	125A	233(235)	227	205	219	14	1
	100A	255	227	205	219	14	1
300A	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
350A	300A	410	372	360	392	23	1 1/2
	250A	360	332	310	323	18	1 1/4
	200A	398	332	310	323	18	1 1/4
400A	150A	408(410)	334	306(310)	329	18	1 1/4
	350A	480	421	390(400)	421	23	2
	300A	410	372	360	392	23	1 1/2
450A	250A	360	331	310	323	18	1 1/4
	400A	560	484	450(460)	471	23	2
	350A	560	484	450(460)	471	23	2
500A	300A	520	422	390	425	23	2
	250A	536(540)	422	390(400)	425	23	2
	200A	561(565)	422	390(400)	425	23	2
550A	450A	638	550	510(520)	535	28	2
	400A	640(650)	558	510(520)	538	25	2
	350A	670(676)	558	510(520)	538	25	2
600A	500A	630(640)	557	520(530)	537	25	2
	450A	630(640)	557	520(530)	537	25	2
	400A	640(650)	557	520(530)	537	25	2
650A	400A	640(650)	557	520(530)	537	25	2
	350A	670(676)	557	520(530)	537	25	2

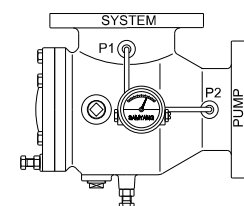


YSD-1, 2, 3R Type

## Dimensions drawing



FLANGED TYPE



FLANGED TYPE(STANDARD)