
 Comprehensive Manufacturer of Environmental Equipment
 Challenging the Liquid Transfer Technology,
World Chemical Co., Ltd.
 URL <http://www.wcc.co.jp/en>



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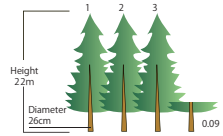


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■ Note:


 This is printed by using a reused aluminum board
 (4.22 kg) and saves electric power, 66.77 kW.
 (CO2 emission 43.09 kg)

 Minus Carbon Printing systems

The CO₂ reduction is certified and verified strictly and fair by Japan Smart Energy Co., Ltd.


 CO₂ reduction (43.09 kg)
 means
 it is CO₂ absorbed by 3.09
 Japanese cedars (Height 22 m,
 26 cm diameter) which is 50
 years old in a year.
 (By Forest and Forestry)

World Chemical Co., Ltd. joins a forest regeneration project (plant 3,000 trees) in Bali, Indonesia through printing by MCP.



GENERAL CATALOGUE

PRODUCTS GUIDE

Corrosion-resistant chemical pump
 Self-priming filter pump
 Floating oil / objects collecting system
 Oily water separating system
 Oil & sludge separating system

CORROSION RESISTANT CHEMICAL PUMP SERIES

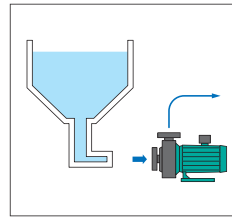
For hoop plating, small washing equipment

Magnet drive pump CHEMIFREE YD-300GS

High efficiency, energy saving, low noise & vibration. Possible to install at the place which is highly humid & dusty to adopt a totally enclosed motor.



- The motor is high efficient and low power consumption.
- Single phase 200V (50/60Hz in common)
- Easy wiring for a terminal box on the motor.
- Small and light design.
- Fluoro-rubber O-ring (FKM) as standard.



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (W)	
		Suc	Dis	50Hz		60Hz		50Hz	60Hz
				Std. performance	Std. S.G.	Std. performance	Std. S.G.		
GS	YD-3320GS1	16	16	2 - 30	1.3	3 - 34	1.3	35	45
	YD-3420GS1	16	16	3 - 31	1.1	3 - 43	1.1	40	60
	YD-3520GS1	20	20	3 - 40	1.2	5 - 40	1.2	65	100
	YD-3720GS1	20	20	4 - 50	1.1	6 - 51	1.1	120	160

For FPD, Print circuit board, plating

Magnet drive pump CHEMIFREE YD-small GS

Small, light & durable. Good cost-performance.



- Good radiation/insulation PTFE bearing.
- High head type is available.
- The original motor incorporated a thermal protector is used.
- Easy wiring for a terminal box on the motor.

Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (W)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GS	YD-16X8GS1	20	16	5 - 50	1.1	6.5 - 60	1.1	0.18
	YD-20A6GS1	20	20	7 - 60	1.4	9.5 - 70	1.1	0.26
	YD-20Y6GS1	20	20	7 - 60	1.4	9.5 - 70	1.1	0.26
GS High head	YD-16A8GSH1	20	16	12 - 24	1.1	17 - 25	1.1	0.18
	YD-16Y6GSH1	20	16	12 - 24	1.1	17 - 25	1.1	0.26
	YD-20A6GSH1	20	20	9.5 - 70	1.1	—	—	0.26
	YD-20Y6GSH1	20	20	9.5 - 70	1.1	—	—	0.26
GSF	YD-16X8GSF1	20	16	5 - 60	1.2	5 - 60	1.2	0.18
	YD-20A6GSF1	20	20	7.5 - 70	1.2	8 - 70	1.2	0.26
	YD-20Y6GSF1	20	20	7.5 - 70	1.2	8 - 70	1.2	0.26

For chemical plant/process

Magnet drive pump YD-GU

High efficient magnet drive pump by fluid analysis technology. Electric power saving.



- Double capsule structure impeller is adopted to resist corrosion and prevent penetration.
- The casing is made of ductile cast iron lined by natural ETFE.
- Easy and safe maintenance for back pull out system.

Type	Model	Bore(mm)		Mix. performance: THD (m)_ Capacity (L/min) *S.G.1.0				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Impeller (mm)	Max. spec.	Impeller (mm)	Max. spec.	
GU	YD-2502GU3	40	25	125	19.6 - 310	100	17.2 - 300	1.5
	YD-2503GU3			145	27.5 - 370	120	26.5 - 360	2.2
	YD-2505GU3			156	32 - 390	145	40.8 - 440	3.7
	YD-4005GU3	50	40	156	33.1 - 550	135	36 - 580	3.7
	YD-4007GU3			156	33.1 - 550	156	48.8 - 660	5.5
	YD-4010GU3			156	33.1 - 550	156	48.8 - 660	7.5
GU	YD-5005GU3	65	50	145	26.7 - 800	120	25.2 - 790	3.7
	YD-5007GU3			156	31.1 - 850	140	36.4 - 930	5.5
	YD-5010GU3			156	31.1 - 850	156	46 - 1030	7.5

For chemical plant/process

Magnet drive pump YD-GT

Used for liquid with slurry / sludge in a process line or utility.



- Resistant to slurry/sludge for the unique impeller wearing structure.
- The unique thrust balance structure leads to high efficiency and power saving.
- Realize low NPSHr for the full open casing structure.

Type	Model	Bore(mm)		Max. performance: THD (m)_ Capacity (L/min) *S.G.1.0				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Impeller (mm)	Max. spec.	Impeller (mm)	Max. spec.	
GT	YD-4005GT3	50	40	160	34.2 - 520	130	31.9 - 510	3.7
	YD-4007GT3			169	38.5 - 550	155	47 - 610	5.5
	YD-4010GT3	65	50	145	24.5 - 800	120	25.4 - 790	3.7
	YD-5005GT3			169	37.1 - 920	140	36.4 - 930	5.5
	YD-5010GT3			165	38.2 - 480	140	38.6 - 490	5.5
	YD-4107GT3	50	40	190	52.1 - 550	155	48.7 - 540	7.5
	YD-4110GT3			175	42.5 - 780	145	40.4 - 780	7.5
	YD-4115GT3			210	64.5 - 610	200	85.6 - 700	15
	YD-4120GT3			210	64.5 - 610	210	94.6 - 740	18.5
	GT	YD-5107GT3	65	50	155	32 - 590	140	36.8 - 500
YD-5110GT3		175			42.5 - 780	145	40.4 - 780	7.5
YD-5115GT3		80	65	200	57.6 - 880	165	54.6 - 880	11
YD-5120GT3				185	71.2 - 990	15	71.2 - 990	15
YD-5125GT3				195	79.5 - 1040	18.5	79.5 - 1040	18.5
YD-6507GT3		150	100	155	30 - 1100	140	35.4 - 860	5.5
YD-6510GT3				170	36.8 - 1210	145	38.5 - 1240	7.5
YD-6515GT3				165	50.6 - 1420	11	50.6 - 1420	11
YD-6520GT3				175	59.5 - 1500	15	59.5 - 1500	15
YD-6525GT3		150	100	178	43 - 1270	178	63.3 - 1530	18.5
YD-10015GT3	230			18 - 4310	210	21.5 - 2720	11	
YD-10020GT3	260			23.9 - 4750	210	21.5 - 4600	15	
YD-10025GT3	150	100	230	26.5 - 5030	18.5	26.5 - 5030	18.5	
YD-10030GT3			250	32.2 - 5340	22	32.2 - 5340	22	
YD-10040GT3	267	25.1 - 4870	267	36.8 - 5840	30			

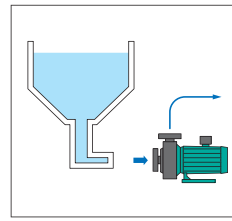
For FPD, Print circuit board, plating

Magnet drive pump CHEMIFREE YD-GS

Durable and easy parts replacement.



- Good radiation/insulation PPS bearing.
- Air lock prevention structure.
- Loose flange is adopted.
- Compact to use rare-earth magnet.
- Available to correspond S.G. of liquid.
- Small flow & high head is available.
- Easy wiring for a terminal box on the motor.



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GS	YD-2500GS1	25	25	14 - 50	1.0	14 - 50	1.0	0.4
	YD-2501GS1/3			21 - 50	1.0	21.5 - 50	1.0	0.75
	YD-2502GS1/3			25.5 - 50	1.3	34 - 50	1.0	1.5
	YD-2503GS1/3			—	—	37 - 50	1.1	2.2
	YD-4000GS1	40	40	11 - 100	1.05	11 - 100	1.05	0.4
	YD-4001GS1/3			15 - 150	1.05	15 - 150	1.05	0.75
	YD-4002GS1/3	50	40	19 - 200	1.1	19 - 200	1.1	1.5
	YD-4003GS1/3			23 - 200	1.1	25 - 200	1.1	2.2
	YD-4005GS1/3	50	40	25 - 200	1.4	34 - 200	1.1	3.7
	YD-5005GS1/3			65	50	20 - 500	1.1	20 - 500

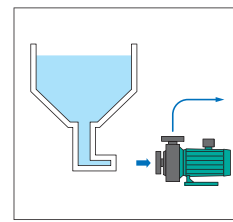
For FPD, Print circuit board, plating

Magnet drive pump CHEMIFREE YD-GSF

Well resistant ETFE pump. Available for strong acid and alkali.



- Good radiation/insulation PTFE bearing.
- Air lock prevention structure.
- Loose flange is adopted.
- Compact to use rare-earth magnet.
- Available to correspond S.G. for liquid.
- Small flow & high head is available.
- Easy wiring for a terminal box on the motor.



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GSF	YD-2500GSF1	25	25	9 - 50	1.2	9 - 50	1.2	0.4
	YD-2501GSF1/3			16.5 - 50	1.2	15 - 50	1.2	0.75
	YD-2502GSF1/3			24 - 50	1.2	26 - 50	1.2	1.5
	YD-2503GSF1/3			23.5 - 50	1.9	33 - 50	1.2	2.2
	YD-4000GSF1	40	40	8.5 - 100	1.2	9 - 100	1.2	0.4
	YD-4001GSF1/3			12 - 150	1.2	11.5 - 150	1.2	0.75
	YD-4002GSF1/3	50	40	18 - 200	1.2	17.5 - 200	1.2	1.5
	YD-4003GSF1/3			21 - 200	1.2	22.5 - 200	1.2	2.2
	YD-4005GSF1/3	25 - 200	1.3	30 - 200	1.2	3.7		

For FPD process waste liquid, earthquake countermeasures

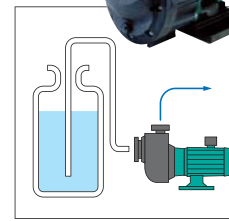
Self-priming magnet drive pump SUPERMAG YD-GV

Commissioner of Patents award



High self-priming (-5m) valveless pump

- End suction and self-priming.
- Up-and-down piping is available.
- Smallest space in this class.
- Available to correspond S.G. for liquid.



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GV	YD-2500GV1	25	25	8 - 80	1.05	8 - 80	1.05	0.4
	YD-2501GV1/3			8 - 80	1.8	8 - 80	1.8	0.75
	YD-2502GV1/3			12 - 110	1.1	12 - 110	1.1	1.5
	YD-4001GV1/3			11 - 160	1.1	11 - 160	1.1	1.5
	YD-4002GV1/3	40	40	11 - 160	1.8	17 - 200	1.1	1.5
	YD-4003GV1/3			17 - 200	1.4	17 - 200	1.4	2.2
	YD-5002GV1/3	50	50	17 - 200	1.1	17 - 200	1.1	1.5
	YD-5003GV1/3			17 - 200	1.4	18 - 250	1.1	2.2
	YD-5005GV1/3	50	50	18 - 250	1.1	18 - 250	1.6	2.2
	YD-5005GV1/3			18 - 250	1.8	28 - 200	1.2	3.7

YD-small GV



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GV	YD-20Y6GV1	20	20	6 - 30	1.2	7 - 30	1.2	0.26

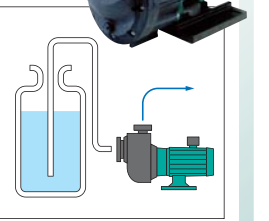
For FPD process waste liquid, earthquake countermeasures

Self-priming magnet pump SUPERMAG YD-GVF

Commissioner of Patents award



Well resistant ETFE pump. Available for strong acid and alkali.



Type	Model	Bore(mm)		Std. performance: THD (m)_ Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GVF	YD-2501GVF1/3	25	25	8 - 80	2.0	8 - 80	1.6	0.75
	YD-2502GVF1/3			12 - 100	1.1	12 - 100	1.1	1.5
	YD-2503GVF1/3			12 - 105	1.8	12 - 105	1.8	1.5
	YD-4001GVF1/3			10 - 110	1.1	10 - 110	1.1	0.75
	YD-4002GVF1/3	40	40	11 - 160	1.6	15 - 200	1.1	1.5
	YD-4003GVF1/3			16 - 200	1.3	16 - 200	1.3	2.2
	YD-5002GVF1/3	50	50	15 - 200	1.1	17 - 250	1.1	1.

Original product

For waste water treatment

Mechanical seal horizontal pump

YD-GSM

One of our best seller pump since the establishment.



- Suitable for waste water with a small amount of slurry to adopt an open impeller.

Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GSM	YD-2500GSM1	25	25	8 - 60	1.1	8 - 60	1.1	0.4
	YD-4001GSM1/3	40	40	10 - 110	1.1	10 - 110	1.1	0.75
	YD-4002GSM1/3	50	40	10 - 220	1.1	10 - 220	1.1	1.5

Mechanical seal horizontal self-priming pump

YD-GVM

Succession machine to YD-SV with a mechanical seal.



- Suitable to pump up waste raw water with a small amount of slurry for a self-priming pump.

Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
GVM	YD-2500GVM1	25	25	8 - 40	1.1	8 - 40	1.1	0.4
	YD-4001GVM1/3	40	40	8 - 110	1.1	8 - 110	1.1	0.75
	YD-5002GVM1/3	50	40	10 - 200	1.1	10 - 200	1.1	1.5

For plating

Sealless circulating pump

DRYFREE YD-small VK

【Suitable to filter & circulate for plating.】

- Fully compatible with YD-LO-E.
- Suitable for gold plating.
- Easy maintenance for no bearing/sliding parts.
- Resistant to run dry.



Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min) *S.G.1.0				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
VK	YD-2500VK1	40	50	8 - 80	1.1	8 - 80	1.1	0.4

YD-VK

【Suitable for scrubber and to filter & circulate for plating.】

Resistant to liquid with slurry and dry running.

- Easy maintenance for no bearing/sliding parts.
- Resistant to run dry.

Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min) *S.G.1.0				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
VK	YD-4001VK1/3	50	40	9 - 150	—	8 - 120	—	0.75
	YD-4002VK1/3	50	40	10 - 300	—	8 - 300	—	1.5
	YD-4003VK1/3	50	40	—	—	2 - 350	—	2.2
	YD-5003VK1/3	65	50	12 - 350	—	—	—	2.2
	YD-5005VK1/3	65	50	—	—	15 - 550	—	3.7
	YD-6505VK1/3	80	65	15 - 550	—	—	—	5.5
	YD-6507VK1/3	80	65	18 - 700	—	—	—	5.5
	YD-6510VK1/3	80	65	—	—	25 - 850	—	7.5

For waste water with slurry

Sealless vertical self-priming pump SELFREE

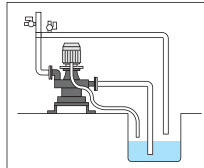
YD-NSF

YD-SF

Long seller vertical pump with the sealless structure and self-priming ability.



- Valveless self-priming pump.
- Resistant to dry running for sealless.
- Suitable to pump up waste raw water with slurry / sludge.
- Easy maintenance for no consumables.



Type	Model	Bore(mm)		Mix. performance: THD (m)_Capacity (L/min) *S.G.1.0				動力 (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
NSF	YD-2500NSF1	25	25	6 - 60	1.05	—	—	0.4
	YD-2501NSF1/3			6 - 60	1.7	8 - 70	1.05	0.75
	YD-2502NSF1/3			7 - 60	2.0	8 - 70	1.8	1.5
	YD-4001NSF1/3	40	40	7 - 100	1.05	—	—	0.75
	YD-4002NSF1/3			7 - 100	1.8	9 - 150	1.05	1.5
	YD-4003NSF1/3			7 - 100	2.0	9 - 150	1.45	2.2
SF	YD-5002NSF1/3	50	50	9 - 200	1.05	—	—	1.5
	YD-5003NSF1/3			9 - 200	1.45	11 - 200	1.05	2.2
	YD-5005NSF1/3			9 - 200	2.0	11 - 200	1.6	3.7
	YD-8005SF1/3	80	80	15 - 350	1.05	—	—	3.7
	YD-8007SF1/3			15 - 350	1.5	18 - 350	1.05	5.5
	YD-8010SF1/3			—	—	18 - 350	1.35	7.5
SF	YD-10007SF1/3	100	100	12 - 700	1.05	—	—	5.5
	YD-10010SF1/3			12 - 700	1.4	17 - 700	1.05	7.5
	YD-10015SF1/3			—	—	17 - 700	1.4	11
	YD-10015SF1/3			—	—	17 - 700	1.4	11

For etching

Sealless circulating pump

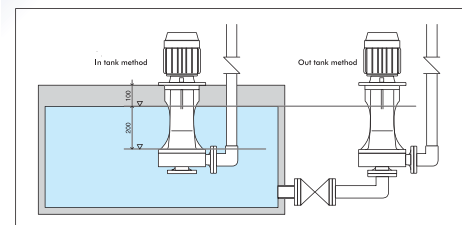
DRYFREE

YD-VP

【Suitable for etching of print circuit board.】

Bestseller pump for etching spray.

- Easy maintenance for no bearing/sliding parts.
- Resistant to dry running.



Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
VP	YD-5003VP1/3	65	50	12 - 300	—	11 - 300	—	2.2
	YD-5005VP1/3			15 - 430	—	15 - 430	—	3.7
	YD-6507VP1/3	80	65	17 - 600	1.4	22 - 400	—	5.5
	YD-6510VP1/3			18 - 750	—	20 - 750	—	7.5

For electroless nickel, desmear

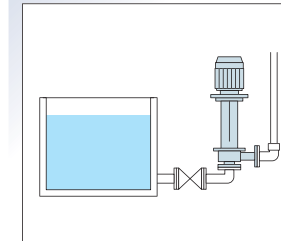
Sealless circulating pump

DRYFREE S

YD-LON-SU

Stainless vertical pump

- Made of SCS16. (equivalent SUS316L)
- Resistant to run dry.
- Easy maintenance.



Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
LON-SU	YD-4001LON1/3	50	40	10 - 100	—	7 - 100	—	0.75
	YD-4002LON1/3			13 - 200	1.1	13 - 200	1.1	1.5
	YD-4003LON1/3	—	—	14 - 350	—	—	—	2.2
LON-SU	YD-5003LON1/3	65	50	14 - 350	—	—	—	2.2
	YD-5005LON1/3			18 - 500	—	18 - 500	—	3.7

For tank yard pit

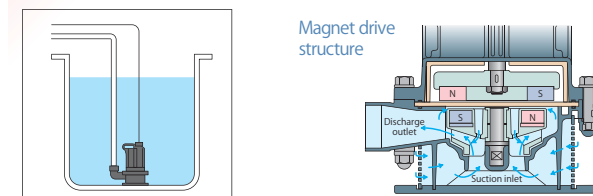
Submersible magnet drive pump

SUBMERSE

YD-GWN

Usable for strong acid/alkali. Corrosion resistant pump.

- The magnet drive structure prevents liquid from going into the motor.
- Easy handling & operation.



Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Output (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
Small GWN	YD-25A6GWN1	25	—	6 - 60	1.2	6.5 - 60	1.2	0.26※
GWN	YD-5002GWN1			50	with strainer	8.3 - 200	1.1	8.3 - 200
		6.2 - 200	1.3			4.6 - 200	1.3	
		5 - 140	1.5			4.8 - 100	1.5	
High head GWN	YD-5002GWN1	—	—	—	—	11.9 - 100	1.1	1.1
				—	—	6.3 - 200	1.3	
				—	—	6.3 - 200	1.5	

※ YD-25A6GWN=Single phase/100V

For liquid with slurry

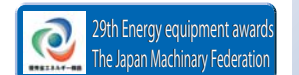
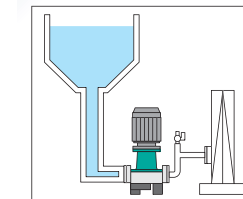
Vertical linear seal pump

SLURRY PUMP

YD-LRN-PP

Deadhead operation of liquid with crystallized slurry is available.

- No need outer cooling water.
- No precipitation of electroless plating to sliding parts.
- No consumable parts such as a mechanical seal or grand packing.



Industrial Technology Development Prize

Type	Model	Bore(mm)		Std. performance: THD (m)_Capacity (L/min)				Out put (kW)
		Suc	Dis	50Hz		60Hz		
				Std. performance	Std. S.G.	Std. performance	Std. S.G.	
LRN	YD-2501LRN1/3	40	25	10 - 60	—	9 - 60	—	0.75
	YD-2502LRN1/3			—	—	13 - 100	—	1.5
	YD-4002LRN1/3	50	40	13 - 100	1.2	16 - 150	1.2	2.2
	YD-4003LRN1/3			15 - 150	—	19 - 250	—	3.7
	YD-4005LRN1/3			17 - 250	—	25 - 280	—	5.5

For chemical fining/experimental installation

Self-priming filter pump

CHEMIFINE

YD-CT

Filter is attached with a pump!

5 advantages

- 1 Irrefragible Priming water remains! The pump does not run dry!
- 2 Layout-free Self-priming Open the door of various layout!
- 3 Compact Filter+Self-priming The pump is integrated with a tank!
- 4 Easy maintenance The configuration is simple! Just remove 8 bolts!
- 5 Dual use For transferring chemical liquid or filter & circulating as a filter pump!



Patented : JPN·TWN USA·CHN·KOR·EU

Type	Model	Bore(mm)		Max. spec. (Capacity L/h) 50Hz/60Hz in common Capacity	Power source (Phase/V)	Output (kW)
		Suc	Dis			
Small CT	YD-13B5CT1	13	13	240~1020	1.2	Single/100 55 (W)
CT	YD-20A6CT1	20	20	600~2400	1.2	Single/100 0.26
	YD-20A0CT1				1.6	Single/100 0.4
	YD-20Y6CT1				1.2	Three/200 0.26
	YD-2000CT1				1.6	Three/200 0.4

FLOATING OIL • PARTICLES COLLECTING SYSTEM / OIL SEPARATOR / OIL & SLUDGE SEPARATOR

From Factory • Kitchen to Sea • River. We contribute environment by fluid transport technology.

Floating oil/particles float pump used at various sites by the double float structure.

GYROSKIMMER YD-GYP

Floating pump for collecting/transferring floating oil. It is suitable to collect high viscosity oil, oil with sludge and floating oil on waste water. It also bring oil in a coolant tank into action.

- For spilled oil, oil in a large pit, floating oil/scum.
- For floating oil in a centralized coolant tank.



Model	Discharge Bore (mm)	THD (m)	Capacity (L/min)	Output (kW)
YD-600GYP	25	4	15	0.15
YD-800GYP	38		40	0.25
YD-1000GYP	50	7	50	0.4
YD-1200GYP			100	0.75



Special specification

Heavy duty type YD-810GYP

It is suitable for collecting/transferring floating oil with chips in a centralized coolant tank or mud /sand at contaminated soil reforming sites.

[Performance] 4m x 40L/min. [Output] 0.25kW

High head type YD-1600PS-T

It is suitable for floating oil in a deep pit, where it is impossible for the pump to self-prime in, or a deep floating oil pit with much slurry such as a scale pit.

Performance : 15m x 100L/min. [Output] 1.5kW

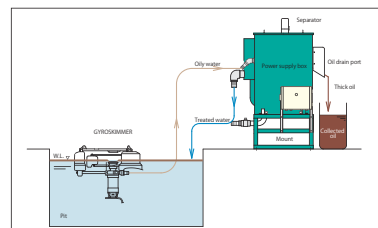


GYROSYSTEM combined with GYROSKIMMER & FO separator.

GYROSYSTEM YD-GYP-FO

Two types of FO (200FO & 400FO) are provided.

- It is possible to attach the control panel with a built-in inverter in the separator and stop / start GYROSKIMMER from the side of FO separator.
- The 2 inverters for GYROSKIMMER and the scraper of the separator are in the control panel.
- It secures the progress of collecting foamy liquid or oil separation performance by controlling GYROSKIMMER with an inverter.
- It is possible to adjust the scraper for the best condition against the oil viscosity by the inverter.



Model	GYROSKIMMER	Submersible pump			Separator				
		Head (m)	Collected amount (T/h)	Output (kW)	Cap (L)	Filling port (mm)	Water drain (mm)	Oil drain (mm)	Scraper output (kW)
YD-600GYP-200FO	600GYP	4	0.9	0.15	approx. 200	φ25	φ38	φ50	0.04
YD-1200GYP-400FO	800,810, 1000,1200GYP	4~7	24~6	0.25~0.75	approx. 400	φ38	φ65	φ65	0.06

※ will be contained 800,810,1000 or 1200GYP.

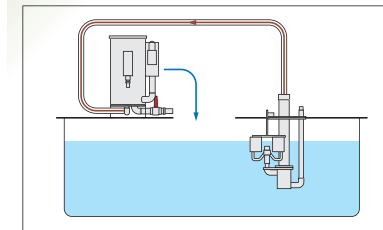


Saver series for machine tools easy installed in small spaces.

Washing saver YD-25CS

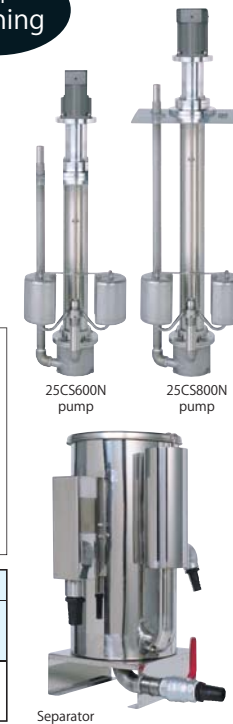
Compact design. High-speed collection with our original screw pump and a patented float gate.

- For work cleaning for plating/processing.
- Liquid until 90°C is available.



Model	Pump			
	Discharge bore (mm)	THD (m)	Capacity (L/h)	Output (kW)
YD-25CS600N-150F	25	1.5	300	0.09
YD-25CS800N-200F				

For washing



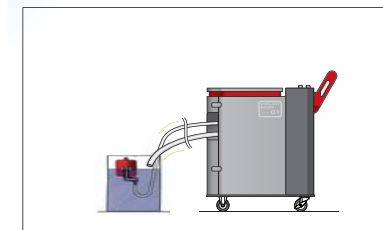
For floating oil of machine tools. Two types of the system are provided.

Portable floating coolant oil collecting system COOLANT SAVER PORTABLE TYPE01

YD-150FS-16CSPN

The drive is only Air. No need to install for each machine tools.

- For the inside of a factory which is a machining center or where there are many machine tools such as lathe, grinding machine.
- Easy to carry and install.



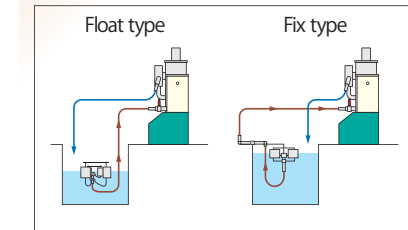
Model	Pump	Capacity (L/min)	Float install minimum water level	Separator volume	Suction hose (mm)	Drain hose (mm)	Option
YD-150FS-16CSPN	Air drive Diaphragm	1~5	80mm	Approx. 29L	φ13	φ25	Small float

Floating waste oil collecting system without concern for viscosity change or interfusion of foreign objects.

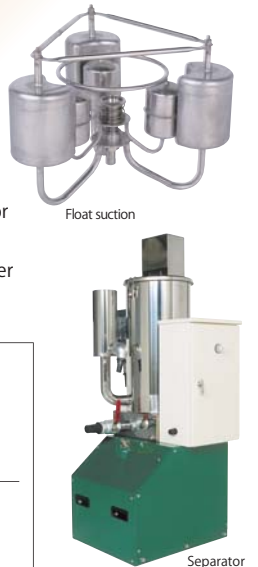
GREASECOMING FO YD-FO

Available for floating with particles & high viscosity oil.

- For mineral oil, animal/vegetable oil or floating scum.
- For collecting and treating waste water temporarily.



Model	Float		Pump		Separator		
	Collecting bore (mm)	Hose (mm)	THD (m)	Capacity (L/h)	Output (kW)	Capacity (L)	Oil drain bore (mm)
YD-300FO series	35	19	-3	480	0.4	35	38
YD-40FO series	40						

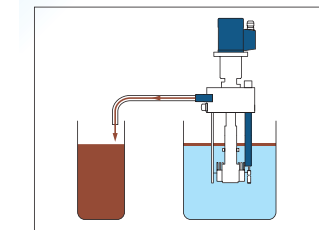


Floating oil collecting system for machine tools COOLANT SAVER

YD-16CSN

For machine tools with large amount of oil. Fixed installation.

- A pump is integrated with a separator, so the installation space is conserved.
- Less agitation for a screw feeder pump adopted.
- Doughnut-shaped float is adopted.



Model	Collecting pump	Output (w)	Capacity (L/min)	Float install minimum water level	Float follow range (mm)	Min. space to install (mm)	Weight (kg)
YD-16CSN-250-45	Screw feeder pump	3φ 200V 4P 60W	1.2	60	45	170×170	5.7
YD-16CSN-290-85				102.5	85		6.0

