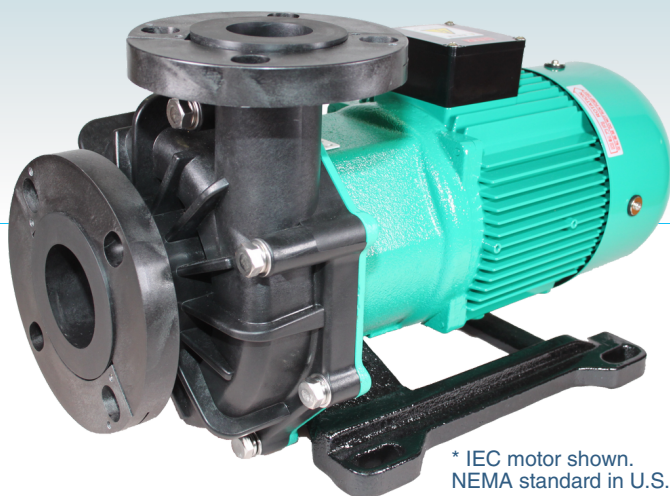


ONE PUMP FOR EVERY APPLICATION



* IEC motor shown.
NEMA standard in U.S.

NON-METALLIC MAGNETIC DRIVE PUMPS

YD-GS/GSF Series

<https://worldchemicalusa.com/product/yardgsgsf>



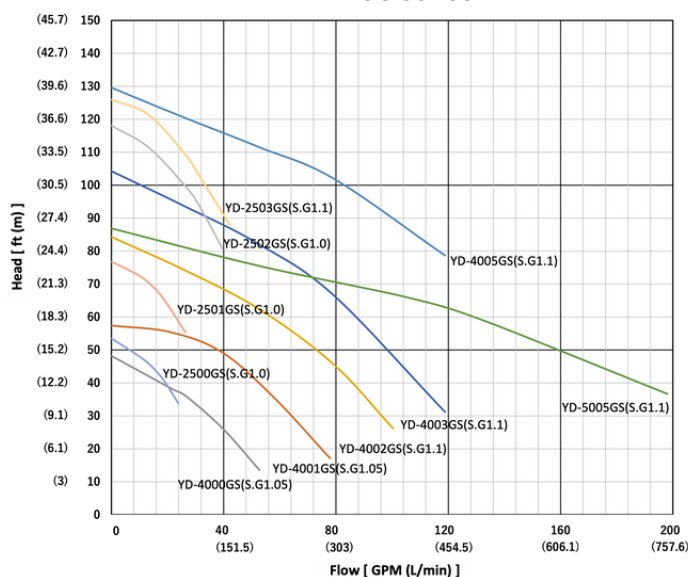
The YD-GS/GSF series is highly recommended for various production processes, including filtering, spraying, rinsing, plating, chemical transfer and blending, and etching in surface treatment applications.

PRODUCT FEATURES

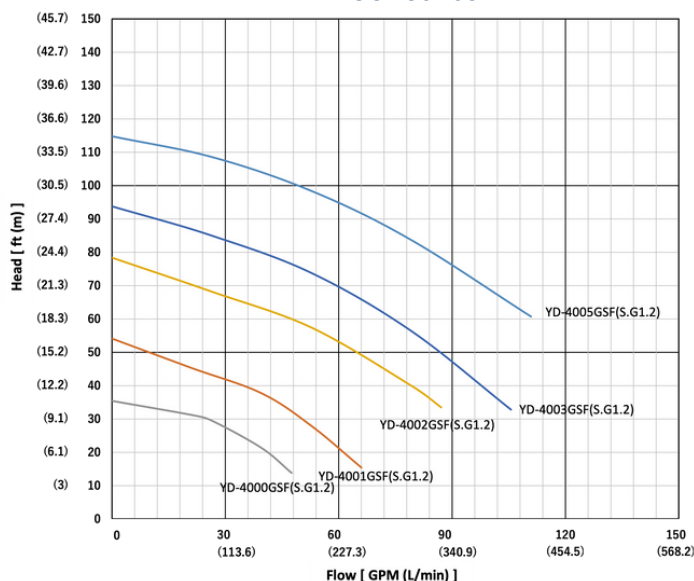
- Polypropylene and Carbon Fiber Reinforced Teflon
- JIS 10K standard flange connection, compatible with ANSI and DIN standards
- Easy to attach to NEMA-standard motors
- With neodymium magnets (2HP motor and above)

PERFORMANCE CURVE

YD-GS Series

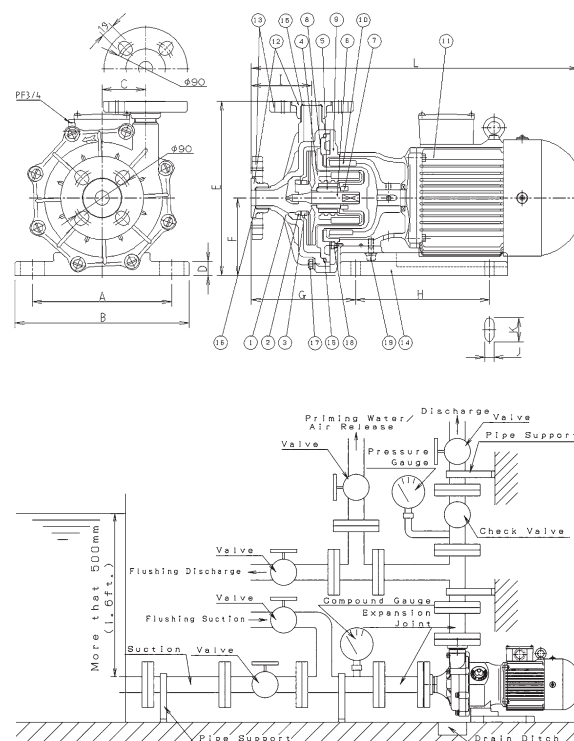


YD-GSF Series



SPECIFICATIONS

No.	Parts name	Qty	Material		Remarks
			YD-GS	YD-GSF	
1	Front casing	1	GFR PP	CFR ETFE	
2	Liner ring	1	Alumina Ceramics + GFR PPS	Alumina Ceramics + CFR ETFE	Integrated molding
3	Mouth ring	1	CFR PTFE		
4	Impeller	1	GFR PP + PP + Magnet	CFR ETFE + Magnet	Integrated molding
5	Bearing	1	CFR PTFE/Carbon/Alumina Ceramics/ SiC *1		+GFRPPS/+ CFR ETFE
6	Shaft	1	Alumina Ceramics		
7	Rear thrust ring	1	Alumina Ceramics		
8	Rear casing	1	GFR PP	CFR ETFE	
9	Rear casing support	1	FC200		
10	Outer magnet	1	FCD450- 10 + Magnet		
11	Motor with bracket	1	FC200 + Aluminum Frame Motor		NEMA standard in U.S.
12	Lap joint	2	GFR PP	CFR ETFE	
13	Flange	2	GFR PP	GFR PP (Black)	JIS10K
14	Base	1	GFR PP / FC200		4005GS(F):FC200
15	O-ring for Casing	1	EPDM/FPM 4000: G140/4001: G160/etc.: G180		FPM: Dai-ri
16	O-ring for Lap joint	2	EPDM/FPM Suc:4000: 4001:AS568-129/etc. AS568-136: Dis:AS568-129		FPM: Dai-ri
17	Hexagonal bolts	6/8	SUS304 (4000.4001:M8/other:M10)		With SW, W
18	Hex. socket head cap screws	6	SUS304 M6		
19	Hex. socket head cap screws	4	SUS304 M8		With SW, W
20	Base biscuit	1	FC200 (only for 4003GSH)		H=20mm



DIMENSIONS

Dimension of YD-400*GS /GSFseries

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M/N
4000GS/GSF	4.3 (110)	5.51(140)	2.00(51)	.70 (18)	8.50(216)	3.74(95)	5.90(150)	3.85(98)	3.42(87)	.47(12)	.70(18)	16.65(423)	1.5"/1.5" (40A/40A)
4001GS/GSF	5.1(130)	6.29(160)	2.26(57.5)	.70 (18)	10.00(254)	4.52(115)	7.24(184)	5.11(130)	4.05(103)	.47 (Φ12)		18.42(468)	1.5"/1.5" (40A/40A)
4002GS/GSF	8.1(208)	10.23(260)	2.55(65)	.82(21)	10.27(261)	4.56(116)	6.14(156)	7.87(200)	3.50(89)	.55(14)	1.41(36)	19.29(490)	2"/1.5" (50A/40A)
4003GS/GSF	8.1(208)	10.23(260)	2.55(65)	.82(21)	10.27(261)	4.56(116)	6.14(156)	7.87(200)	3.50(89)	.55(14)	1.41(36)	19.29(490)	2"/1.5" (50A/40A)
4005GS/GSF	9.0(230)	10.23(260)	2.55(65)	.78(20)	11.02(280)	5.31(135)	6.14(156)	10.27(261)	3.50(89)	1.41(36)	.55(14)	20.90(531)	2"/1.5" (50A/40A)

FEATURES & CAPABILITIES

- GS : Glass Fiber Polypropylene / 176°F (80°C)
- GSF : Carbon Fiber Reinforced / 176°F (80°C)
- SiC (Silicon Carbide Bearing) standard
*Option, PTFE, Ceramic, Carbon, upon request
- NEMA
 - 0.75~3HP/ 56C
 - 5HP/184TC
- Ferrite and Neodymium Magnet
- ANSI, DIN Compatible
- Working pressure:
 - 4000GS : 23PSI
 - 4001GS : 27.4PSI
 - 4002GS : 40.2PSI
 - 4003GS : 49.8PSI
 - 4005GS : 61.8PSI

APPLICATIONS

- Chemical liquid transfer for PCB manufacturing equipment
- Water treatment and wastewater
- Air conditioning treatment
- Filtration and circulation of various plating solutions
- Transfer of other chemicals
- Wet Scrubber
- ... and many more!

