

GDP

DUAL PROGRESSIVE CAVITY PUMP

- Suck-back effect
- Dosage independent of input pressure
- Pressure-tight without valve
- Easy cleaning
- Adjustable dispensing flow
- Various dispensing volume options

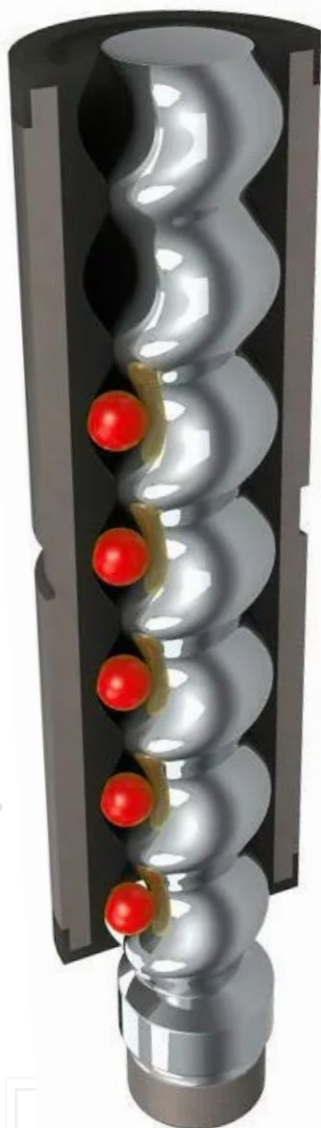




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WHAT MAKE **GDP** BECOME **HIGH PRECISION SOLUTION?**



Positive Displacement

Progressive cavity pumps are positive displacement pumps, meaning they deliver a fixed volume of fluid with each revolution of the screw-like rotor. This characteristic ensures a consistent and accurate flow rate, regardless of changes in system pressure or viscosity of the fluid being pumped.

Screw Geometry

The screw-like rotor inside a progressive cavity pump is precision-engineered with a specific helical geometry. This geometry creates tightly controlled chambers between the rotor and the pump casing, trapping and displacing a precise volume of fluid with each rotation. The close tolerances between the rotor and the casing minimize slip and ensure accurate metering of the fluid.

Variable Speed Control

GLUDITEC progressive cavity pumps offer variable speed control, allowing operators to adjust the pump's rotational speed to precisely match the desired flow rate. This fine-tuning capability enables accurate dispensing of fluids across a wide range of viscosities and application requirements.

Linear Flow

Progressive cavity pumps typically exhibit linear flow characteristics, meaning the flow rate is directly proportional to the pump speed. This linear relationship simplifies flow control and enhances the pump's predictability and accuracy.

GDP-S

Mini DUAL PROGRESSIVE CAVITY PUMP

GLUDITEC GDP precision of progressive cavity pumps is a result of their positive displacement action, precise screw geometry, variable speed control, linear flow characteristics, and low pulsation, making them well-suited for applications that demand accurate and consistent fluid dispensing.

Model	ml/rev	Speed (mL/min)	Mixing Ratio	Net weight (kg)
GDP-2600	0.4mL	4~ 48	1:1 ~ 1:3	1.5
GDP-2060	0.26mL	2.6~30	1:2 ~ 1:5	1.4
GDP-2010	0.21mL	2.1~25	1:10 ~ 1:30	1.3
GDP-2003	0.203mL	2~24	1:40 ~ 1:60	1.3
GDP-660	0.12mL	1.2~14	1:1 ~ 1:3	1.3
GDP-700	0.07mL	0.7~8.4	1:3 ~ 1:10	1.25
GDP-603	0.063mL	0.63~7.5	1:10 ~ 1:20	1.25
GDP-110	0.02mL	0.2~2.4	1:1 ~ 1:3	1.15
GDP-103	0.013mL	0.13~1.5	1:2 ~ 1:5	1.15
GDP-003	0.006mL	0.06~0.72	1:1 ~ 1:3	1.15



Mini DUAL PROGRESSIVE CAVITY PUMP



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GDP-L

Large DUAL PROGRESSIVE CAVITY PUMP

GLUDITEC GDP precision of progressive cavity pumps is a result of their positive displacement action, precise screw geometry, variable speed control, linear flow characteristics, and low pulsation, making them well-suited for applications that demand accurate and consistent fluid dispensing.

Model	ml/rev	Speed (mL/min)	Mixing Ratio	Net weight (kg)
GDP-16160	3.2mL	32~384	1:1 ~ 1:3	6.5
GDP-16100	2.6mL	26~310	1:1 ~ 1:5	6.3
GDP-16400	2mL	20~240	1:3 ~ 1:10	5.8
GDP-11000	2mL	20~240	1:1 ~ 1:3	6.1
GDP-10400	1.4mL	14~168	1:1 ~ 1:5	5.6
GDP-4400	0.8mL	8~96	1:1 ~ 1:3	5.1



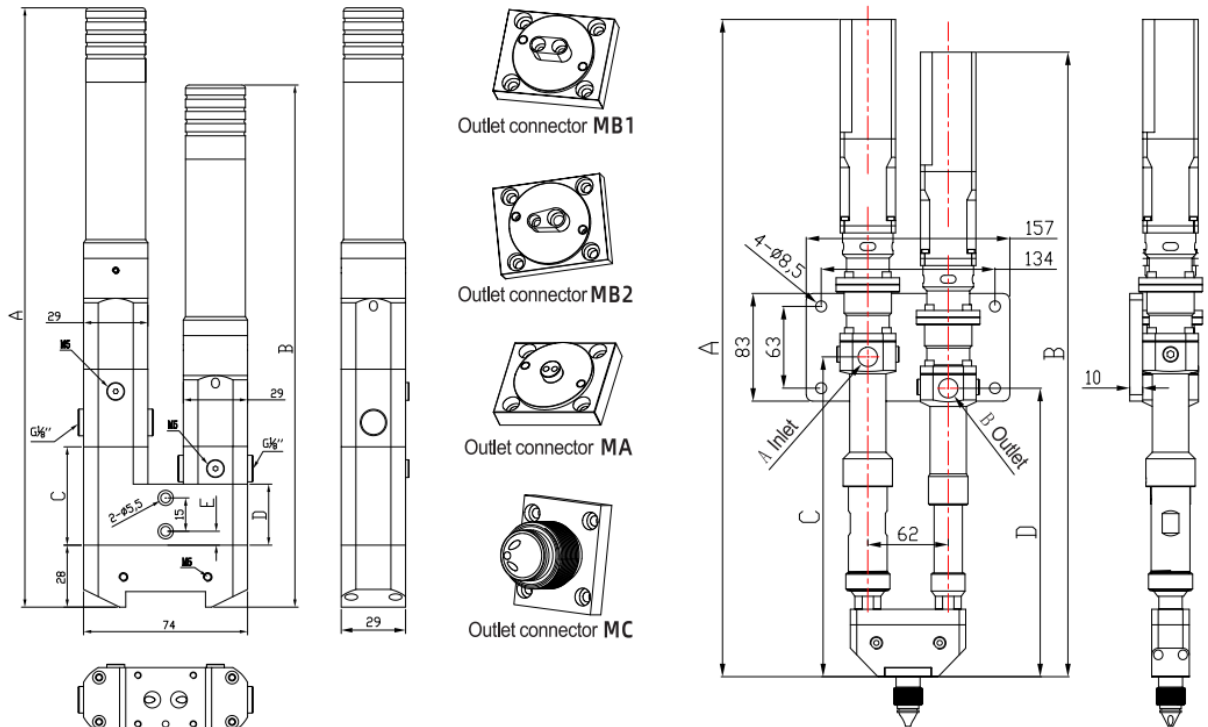


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GDP-L

Mini DUAL PROGRESSIVE CAVITY PUMP

Model	A	B	C	D	Inlet	Outlet	ml/rev	Speed (mL/min)
GDP-16160	506	506	246	246	G1/8"	G1/8"	3.2mL	32~384
GDP-16100	506	480	246	222	G1/8"	G1/8"	2.6mL	26~310
GDP-16400	506	445	246	187	G1/8"	G1/8"	2mL	20~240
GDP-11000	480	480	222	222	G1/8"	G1/8"	2mL	20~240
GDP-10400	480	445	222	187	G1/8"	G1/8"	1.4mL	14~168
GDP-4400	445	445	187	187	G1/8"	G1/8"	0.8mL	8~96





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GCP Controller

DUAL PROGRESSIVE CAVITY PUMP CONTROLLER

Properties	GCP-1000	GCP-2000	Non-standard customization
Dimensions (WxDxH)	250 x 220 x 125 mm	250 x 220 x 125 mm	In order to adapt to the progressive cavity pump in different working conditions, GCP controller can be customized. For example: 1 controller for 4 pumps/ 8 pumps or even 16 pumps
Weight	3.4kg	3.6kg	
Power	AC110 ~ 250V, 50/60Hz	AC110 ~ 250V, 50/60Hz	
Screen	4.3" Touch Screen	4.3" Touch Screen	
Number of controlled pump	1	2	
Control Signal	Switching semaphore	Switching semaphore	
Ambient Temperature	10 ~ 40 °C	10 ~ 40 °C	



GCP-1000



GCP-2000

