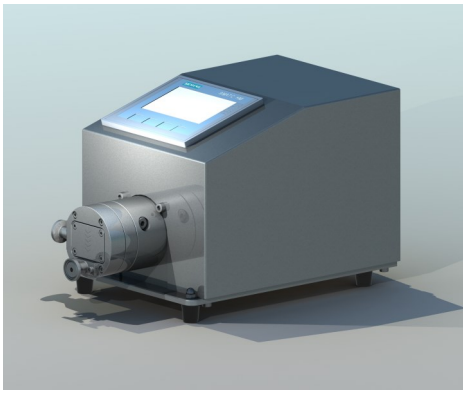
Lucksun DDP Series Pump

Shanghai Lucksun Flowtech Co.,Ltd
Address：North Block, Building No 1, No 98, Lane 100, Jiugan Road, Shanghai, China
Tel：86-21-57113911
Website：www.Lucksun-flowtech.com
E-mail：Lucksun_sales@163.com

麓胜流体 Lucksun Flowtech

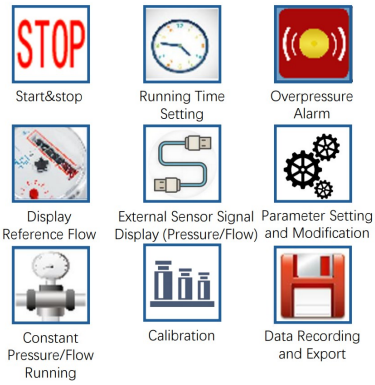
⇒ Technical Information:

◇ DDP02SWE-TA2-R-Y-CAN (Intelligent Pump)
◇ DDP03SWE-TA2-R-Y-CAN (Intelligent Pump)



Features and Benefits

- Intelligent control panel, built-in PLC and logic control program
- Drainable 4-diaphragms pump design
- Low shear rate, gentle transfer
- Easy to expel air bubbles
- Sanitary pump, CIP & SIP are allowed
- Good flow accuracy, good reproducibility
- Dry run, good self-suction
- Good linear accuracy and high turn down ratio
- Can long time running on low speed
- Low pulsation
- No wear particles generated on running
- Non-metal parts complied with FDA and USP
- Metal wetted parts have 3.1B and roughness Cert.



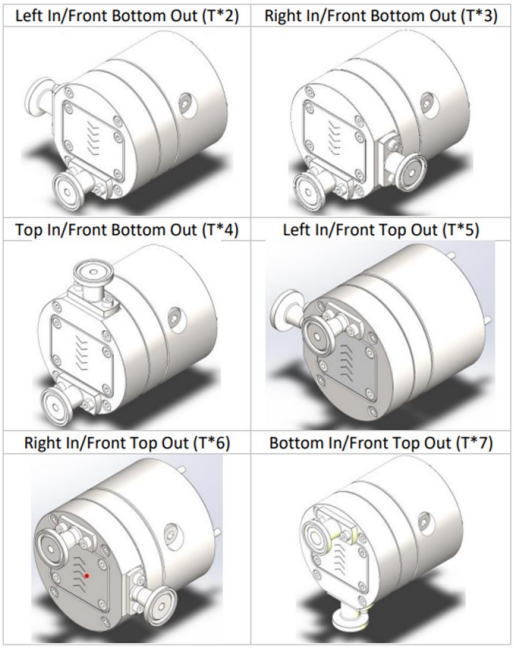
⇒ Technical Data:

Type	DDP02SWE-TA2-R-Y-CAN	DDP03SWE-TA2-R-Y-CAN
Flow rate maximum (L/Hour)	120	180
Flow range on stable flow (L/hour)	0.5-120	0.7-180
Flow range on stable pressure (L/hour)	6-120	9-180
Max pressure (Bar) (<40°C)	6	6
Max pressure (Bar) (>40°C)	4	4
Eccentric shaft angle	3°	5°
Shaft diameter	7 mm	7 mm
Suction height (Meter)	1	2.5
Displacement/Revolution (mL)	0.72	1.2
Total volume of pump chamber (mL)	15.6	15.6
Connector size	1/4"TC(1)	1/4"TC(1)
Internal diameter of connector	4.7 mm	4.7 mm
Clamp flange diameter	25.5 mm	25.5 mm
Connector direction	Left in front bottom out(2)	Left in front bottom out(2)
Wetted parts	Stainless Steel 316L	Stainless Steel 316L
Other options of wetted parts	N,H,D,T,P,F(3)	N,H,D,T,P,F(3)
Roughness of internal surface	Ra<0,4um	Ra<0,4um
Material of diaphragm	TPE	TPE
Material of check valve	EPDM	EPDM
Material of O-ring	EPDM	EPDM
CIP	YES	YES
SIP	YES	YES
Shaft and bearing housing	Stainless Steel 316	Stainless Steel 316
Motor	Servo motor	Servo motor
Motor power	200W	200W
Motor rated speed	3000RPM	3000RPM
Motor power supply	1x220V	1x220V
Forced cooling fan	Y	Y
Power supply to cooling fan	N/A	N/A

Notes:

（1）Options for connectors size：1/2”TC, 3/8”TC；

（2）Options for connectors direction：Recommended direction: left in/front bottom out, other options: Right in/front bottom out, Top in/front bottom out and Down in/front top out.



（3）Options for wetted parts：N-904L；H-Hastelloy alloy C276；D-Duplex stainless steel 2507；T-Titanium；P-PP；F-PVDF；and other materials；

Above options, can be found on our <Products ordering code> . Products code shall be changed relevantly. Other request, please contact our company or local distributor.

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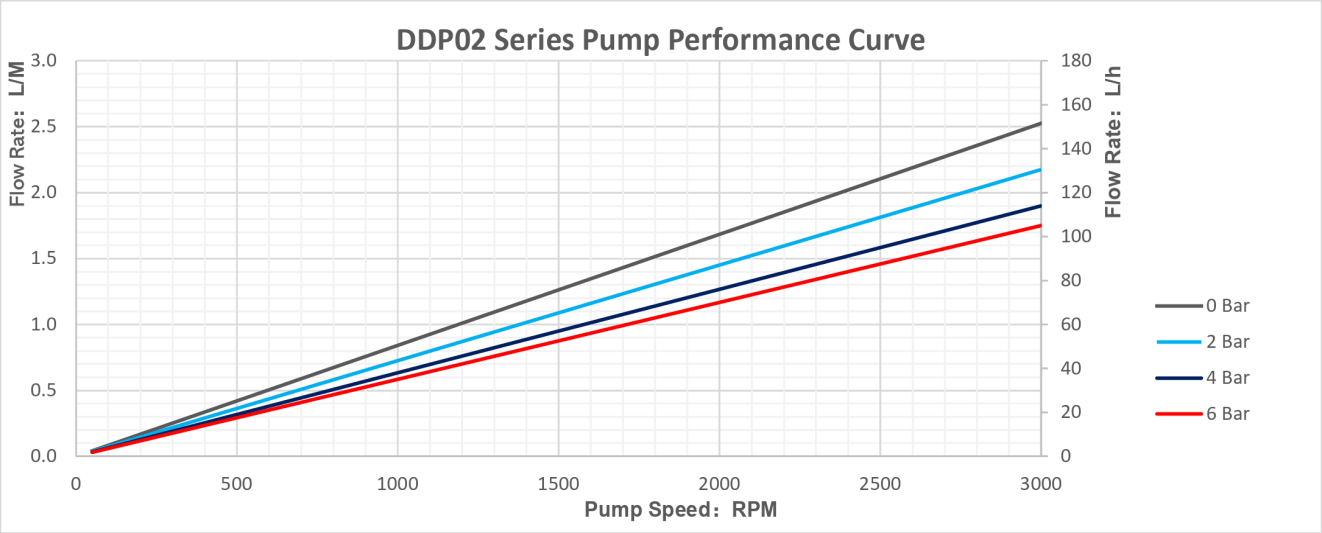
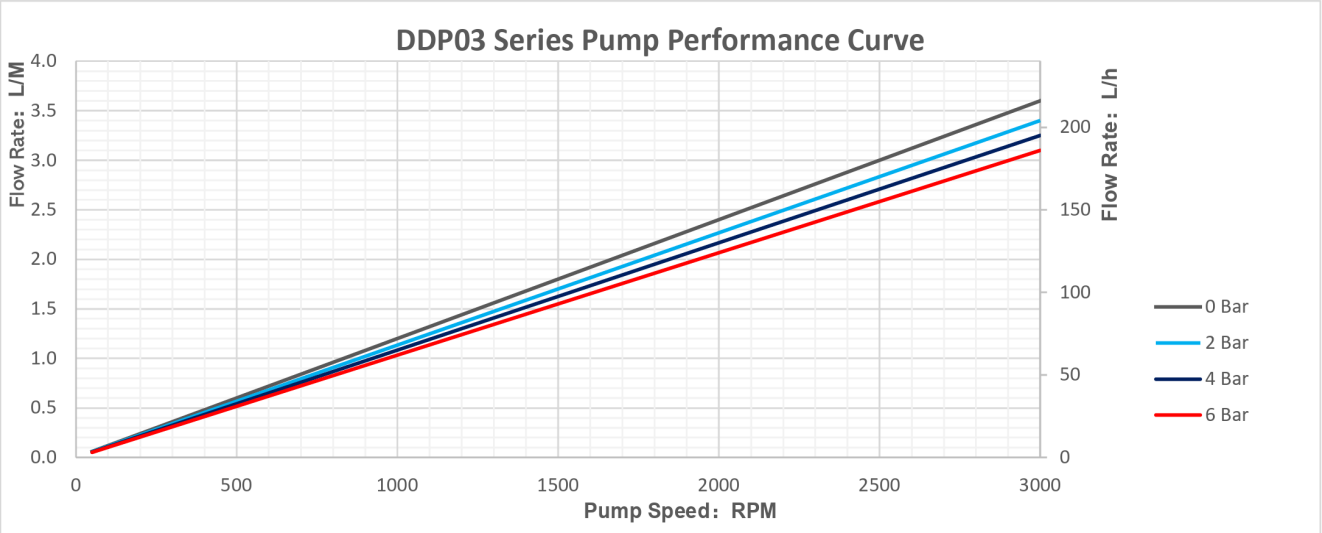
⇒ Performance Curve:



Above data based on the test media is water, viscosity and specific gravity is 1, on ambient temperature.



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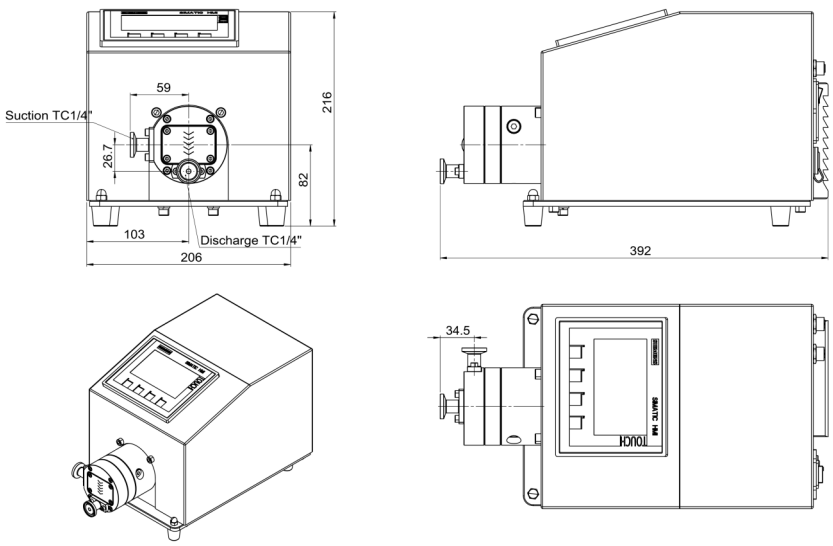
⇒ Outline Dimension: