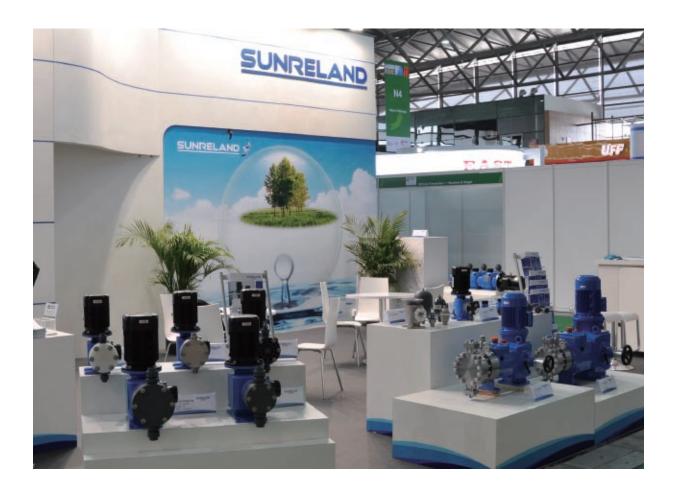
SUNRELAND



\alpha-Power Series Metering Pump

Hydraulically Actuated Diaphragm Liquid End



Sunreland Industrial Equipment (Suzhou) Co., Ltd

Our company focuses on the production of pumps, valves, mixers, analytical instruments and other industrial products. The company adopts international advanced technology, providing clients first-class products and services according to the international standards.

C-Power Series hydraulically actuated diaphragm metering pump is a high-precision, compact hydraulic diaphragm metering pump designed and manufactured according to the API 675 requirements. It is suitable for the application in various demanding and complicated process condition, with the advantages of compact structure and easy maintenance. Mainly applied in power supply, chemistry, petro-chemistry, papermaking, textile, green energy and environmental protection, could be used in bio-pharmaceutical and food industry as well.

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Technical Specification • Flow rate: 1.6~326 L/h

• Max.discharge pressure: 160 Bar

• Turndown Ratio: 10:1 • Stability accuracy: ±1%

• Max. liquid temperature: 902 • Max. viscosity: up to 1200cP

Typical Dosing Applications

- Ammonia
- Hydrazine
- Scale inhibitor
- Water treatment additives
- Chemical process additives
- Oil industry additives
- Edible pigment and food flavor

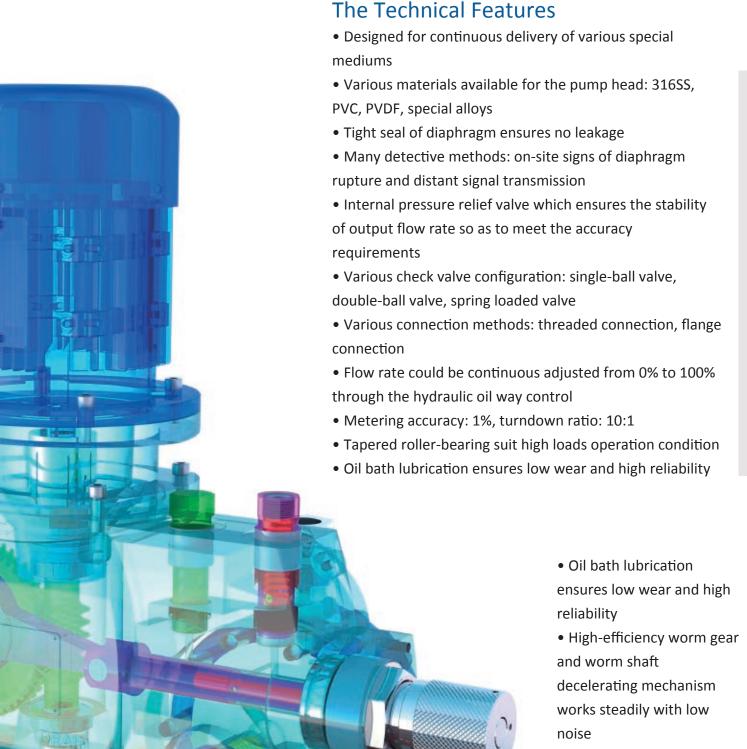












 Compact structure and small volume, suit limited

manufacture complies with

the API 675 standards

installation spaceThe design and



C-Power Series Metering Pump Code

Frame Size Plunger Diameter Diaphragm Check Valve Pressure Options

Frame Size: ET Drive Unit

EV Drive Unit

Plunger Diameter: Plunger Diameter(mm)

Diaphragm: S - Single Diaphragm

D - Double Diaphragm

Check Valve: V - Single Ball

W - Double Ball

Pressure: Discharge Pressure(Bar)



Diaphragm Rupture Detection

Flow rate adjustment methods

Manual adjustment: change the stroke length through handwheel

- Adjust flow rate is available either during running or at standstill
- Minimum adjustment scale is 1%

Electric actuated stroke controller: receive external control signal to adjust the stroke length

- Power source: 220V-50Hz-single phaseInput signal: 4-20mA simulated signal
- Output signal: 4-20mA/1-5V simulated signal, used for record display and control system

Frequency conversion controller: receive external control signal to adjust the stroke speed

- Power supply: 220V-50Hz-single phase or 380V-50Hz-three phase
- Input signal: 4-20mA simulated signal



High Precision Check Valve



Automaticly Stroke Length Adjustment

lpha-Power Series Data Sheet

Frame Size : ET

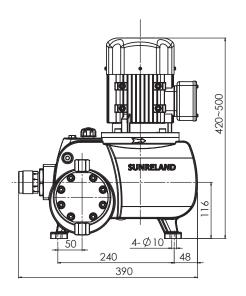
Plunger	Speed	Flow rate	Pressure	Connection
mm	spm	L/h	bar	Connection
Ф15	47	2	125	
	72	3		C ati a m .
	110	5		Suction:
	144	7		NPT 1/2"F Horizontal
	175	8		
Ф17	47	4	106	Diachara.
	72	6		Discharge: NPT 1/4"F
	110	9		
	144	12		Horizontal
	175	15		
Ф19.5	47	7	67	
	72	11		
	110	17		
	144	22		
	175	27		Suction:
Ф23	47	13	42	NPT 1/2"F
	72	19		Horizontal
	110	29		
	144	38		Discharge:
	175	47		NPT 1/4"F
Ф28	47	22	25	Horizontal
	72	33		
	110	51		
	144	66		
	175	81		

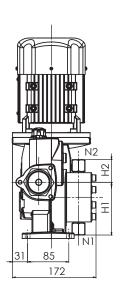
Frame Size: EV

Plunger	Speed	Flow rate	Pressure	Cannaction
mm	spm	L/h	bar	Connection
Ф19	47	11	160	Suction: NPT 1/2"F Horizontal Discharge: NPT 1/4"F Horizontal
	72	16		
	106	24		
	145	33		
Ф22	47	18	105	
	72	27		
	106	40		
	145	55		
Ф26	47	33	68	
	72	51		
	106	75		Suction: NPT 1/2"F Vertical Discharge: NPT 1/2"F Vertical
	145	103		
Ф32	47	64	41	
	72	98		
	106	144		
	145	197		
Ф38	47	105	25	
	72	161		
	106	237		
	145	325		

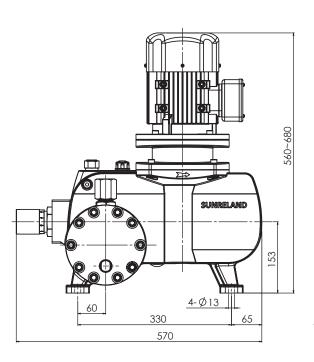


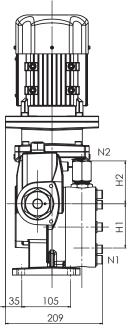
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GA drawing of ET





GA drawing of EV



 α -Flow Series Hydraulically Actuated Diaphragm Pump Capacity up to 10000L/h Pressure Max. 700bar



CV-Dose Series Mechnically Actuated Diaphragm Pump Capacity up to 5500L/h Pressure Max. 10bar



Package System





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