

GEAR PUMP DRIVES REGLO-Z, REGLO-ZS

Compact and powerful 설치 면적이 적음 (10 x 18 cm)

- Pulse가 거의 없는 액체 이송
- 넓이: 10cm, 높이 : 13.5cm
- 역회전 가능 (Cavity Style Pump-heads 사용시)
- 용도에 따라 Micropump® pump-heads 교환 가능
- 재현성이 뛰어남

Repetitive error (rel.) 5ml 0.5% (REGLO-Z Digital)
200ml < 0.2%
100ml < 0.1%



with Cavity Style pumphead,
rotation direction
is reversible



with Suction shoe pumphead,
run only in the
clockwise direction

Interchangeable pump-heads



REGLO-Z Analog

1-3290 ml/min

- Variable speed
- Differential pressure max. 5.2 bar

REGLO-ZS Analog

- Drive and pump-head are separated by a 2 m long cable.

REGLO-Z, -ZS Digital

with dispensing functions

1-3290 ml/min

- Membrane key-pad
- LED display with setting menu
- Differential pressure max. 5.2 bar

Specifications REGLO-Z/ZS Analog

Motor type	DC motor
Speed	50 - 5000 rpm
Speed setting	1-99%, resolution 1% 2-digit potentiometer
Power consumption	50 W
Mains connection	230V _{AC} /50Hz, 115V _{AC} /60Hz adjustable
Protection rating	IP 30
Depth/Width/Height	
Drive REGLO-Z	178 x 100 x 143 mm
Drive REGLO-ZS	175 x 65 x 80 mm
External control unit	178 x 100 x 143 mm
Weight	
Drive REGLO-Z	2.1 kg (without pumphead)
Drive REGLO-ZS	0.7 kg (without pumphead)
External control unit	1.7 kg

Specifications REGLO-Z/ZS Digital

Motor type	DC motor
Speed range	50 - 5000 rpm
Speed setting	rpm, resolution 1 rpm
Flow rate setting	ml/min, liters/min
Power consumption	75 W
Mains connection	100 -230V _{AC} /50-60Hz
Protection rating	IP 30
Depth/Width/Height	
Drive REGLO-Z	178 x 100 x 135 mm
Drive REGLO-ZS	175 x 65 x 80 mm
External control unit	178 x 100 x 135 mm
Weight	
Drive REGLO-Z	1.7 kg (without pumphead)
Drive REGLO-ZS	0.7 kg (without pumphead)
External control unit	1.2 kg

Ordering Information

Model	Order No.
REGLO-Z Analog	ISM 895
REGLO-ZS Analog	ISM 896
REGLO-Z Digital	ISM 901
REGLO-ZS Digital	ISM 1143
Foot switch	ISM 891
Pump-head	Page 49
2 Nozzles	Page 49

- LabVIEW drivers for Reglo-Z/-ZS Digital
download for free : www.revodix.co.kr

- Never use a gear pump for media containing
particulates.

1-3290 ml/min
 (depends on pump-head)

Interfaces



REGLO Analog

speed control
 (0-5 or 0-10 V, 0-20 or 4-20 mA)
 speed output
 2-channel : 0-8 kHz
 4-channel : 0-5 kHz
 Start/Stop
 Rotation direction



REGLO Digital

PC-controllable
 Analog : only speed output
 (see Reglo Analog)
 start/stop and autostart

MICROPUMP®

Ordering Information pump-heads for REGLO-Z/-ZS

Pump-head >> Suction Shoe<<

- 높은 differential pressure까지 사용 가능
- 높은 온도 범위에 적합

Suction Shoe	Pump-head No.	Order No.	Flow rate(ml/min)		Differential pressure max. bar	Gear material	Seals	Stainless steel housing	System pressure, max. (bar)	Temperature range °C	Internal Bypass
			min.	max.							
	GA-X21.CFS.B	82092	0.85	85	1.4	Graphite	PTFE	SS316	21	-46-+177	-
	GA-X21.JFS.B	L20820	0.85	85	2.3	PEEK™	PTFE	SS316	21	-46-+177	-
	GA-V21.CFS.B	82114	2.1	210	2.8	Graphite	PTFE	SS316	21	-46-+177	-
	GA-T23.CFS.B	82115	4.2	420	2.8	Graphite	PTFE	SS316	21	-46-+177	-
	GA-T23.PFS.B	81473	4.6	460	5.2	PPS	PTFE	SS316	22	-46-+177	-
	GA-T23.JFS.B	L18489	4.6	460	5.2	PEEK	PTFE	SS316	22	-46-+177	-
For corrosive media	GA-X21.CFC.B	L17164	0.85	85	1.4	Graphite	PTFE	Hastelloy®-C276	21	-46-+177	-
	GA-T23.CFC.B	L2383	4.2	420	2.8	Graphite	PTFE	Hastelloy®-C276	21	-46-+177	-

- Ports (internal thread) 1/8"-27NPT
- Flow rates without differential pressure
- Operating temperature : with other seals up to 99°C possible

Pump-head >> Cavity Style<<

- 점도가 있는 용액과 흡입높이가 요구되는 적용에 추천
- 화학적 내구성 우수
- Smooth and precise flow
- 역방향 토출 가능

Cavity style	Pump-head No.	Order No.	Flow rate(ml/min)		Differential pressure max. bar	Gear material	Seals	Stainless steel housing	System pressure, max. (bar)	Temperature range °C	Internal Bypass
			min.	max.							
	GJ-N23.FFS.B.B1	82004	32	3200	1*	PTFE	PTFE	SS316	21	-46-+54	✓
	GJ-N23.FFS.B	82001	32	3200	1*	PTFE	PTFE	SS316	21	-46-+54	-
	GJ-N23.JFS.B	L19735	32	3200	1*	PEEK™	PTFE	SS316	21	-46-+54	-
	GJ-N23.PFS.B.B1	81529	32	3200	1*	PPS	PTFE	SS316	21	-46-+54	✓
	GJ-N23.PFS.B	81531	32	3200	1*	PPS	PTFE	SS316	22	-46-+54	-
	GJ-N23.FFC.B	L20284	32	3200	1*	PTFE	PTFE	Hastelloy®-C276	21	-46-+54	-
For corrosive media	GJ-N23.9FD.B	request	32	3200	1*	NiC	PTFE	Surface hardened	21	-46-+54	-

- Ports (internal thread) 1/8"-27NPT
- Flow rates without differential pressure
- Operating temperature : with other seals up to 99°C possible
- * For applications with differential pressures exceeding 1 bar we recommend using the MCP-Z drive.



Service Kits

contain the wearing parts (bushings, seals, gears)



OEM

These pump-heads are also available as OEM versions. Ask for the detailed data sheet.

Tubing adaptors for gear pump-heads

Threaded stainless steel connectors		
Order No.	External thread Tubing adaptor	Tubing i.d. mm
AR0001	1/8" NPT Tube nozzle	6
AR0002	1/8" NPT Tube nozzle	3
AR0004	3/8" NPT Tube nozzle	12
AR0008	1/8" NPT Tube nozzle	8
AR0009	1/8" NPT Tube nozzle	9.5
AR0024	1/8" NPT Pipe connection	6 (outside)
Threaded connectors in Hastelloy®-C 276		
AR0001-HC	1/8" NPT Tube nozzle	6