

Advantage

- Bolts are evenly distributed and sealed well.
- More teeth and higher precision.
- Small internal leakage, high wear resistance.

Suitable application

Silicone, Glue, Elastomer, Polyurethane, various resins, various hardeners, pigments, Epoxy resin, Polyester.

Alloy steel



Alloy steel AlCrN



SUS DLC



Model	1.5	3	5	8	10
cc/rev.	1.5	3	5	8	10
Fluid inlet port pt (F)	3/8"	3/8"	3/8"	3/8"	3/8"
Fluid outlet port pt (F)	3/8"	3/8"	3/8"	3/8"	3/8"
Temperature °C	5-70	5-70	5-70	5-70	5-70
Max. rotation rpm	250	250	250	250	250
Shaft Dia. mm	12.7	12.7	12.7	12.7	12.7
Shaft Height mm	22.5	22.5	22.5	23.5	23.5
Alloy steel Size L*W*H mm	65x59x138	65x59x146	65x57x162	65x59x162	77x59x163
Alloy steel weight Kg	1.15	1.30	1.65	2.15	2.30
SUS size L*W*H mm	65x57x138	65x57x146	65x57x157		
SUS weight Kg	1.10	1.80	2.00		
Alloy steel part no.	GP1.5	GP3	GP5	GP8	GP10
Alloy steel AlCrN part no.	GP1.5N	GP3N	GP5N	GP8N	GP10N
SUS DLC part no.	GPS1.5DLC	GPS3DLC	GPS5DLC	GPS8DLC	

Gear pump heat treatment hardness requirements:
alloy steel HRC61, vacuum coating up to HV2400, DLC HV3200

Tungsten Steel

Features

High hardness of tungsten carbide, acid alkali resistant and not easy to rust properties. Used for gear pump, increase wear resistance, to cope with the more special of the paint (As: powder coating), can extend the working life. Suitable for water-based or medium-strength acid (PH3~PH12) coating or liquid delivery.



Model	3	5
cc/rev.	3	5
Fluid inlet port pt (F)	3/8"	3/8"
Fluid outlet port pt (F)	3/8"	3/8"
Temperature °C	5-70	5-70
Max. rotation rpm	250	250
Shaft Dia. mm	12	12
Shaft Height mm	131	139
Size L*W*H mm	Ø64x152mm	Ø64x152mm
Weight Kg	1.27	1.5
Tungsten steel Part no.	GP3T	GP5T

Use ultra-fine toughness tungsten steel, hardness HRC91.

General industry gear metering pump combination



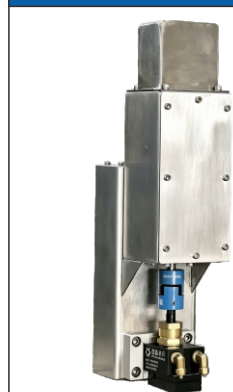
Model	10-GP3	10-GP3N	10-GPS3DLC
Flow rate cc/rev.	3	3	3
Gear pump material	Alloy steel	Alloy steel	SUS
Hardened		Hardening coated	DLC
Rated rpm	10~110	10~110	10~110
Flow rate range cc/min.	30~330	30~330	30~330
Motor driven control	AC Inverter		
Flow rate display	Electronic digital display CC/min		
Driven electric power	AC220V x 1Φ,50/60Hz, 120W		
Weight(W/paint hose and joint(kg)	13	15	13.5
Applicable paint	Solvent base		Solvent/waterbase
The gear pump combination unit for water-based insulation electrostatic is a special product. I=isolation is added after the model number.			

General industry gear metering pump combination



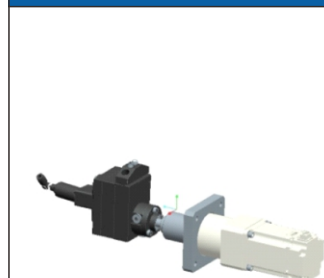
Model	20-GP3-2	20-GP3N-2	20-GPS3DLC-2
Flow rate cc/rev.	3	3	3
One motor drive multi gear pump	1 drive 2	1 drive 2	1 drive 2
Gear pump material	Alloy steel	Alloy steel	Stainless
Hardened		Hardening coated	DLC
Rated rpm	10~145	10~145	10~145
Flow rate range cc/min.	30~435	30~435	30~435
Motor & driven control	Explosion proof motor & AC Inverter		
Flow rate display	Electronic frequency display		
Driven electric power	AC380V x 3Φ,50/60Hz, 0.75KW		
Weight(W/paint hose and joint(kg)	90	90	90
Applicable paint	Solvent base		Solvent/water base
The gear pump combination unit for water-based insulation electrostatic is a special product. I= isolation is added after the model number.			

Gear metering pump install on robot 2nd arm for general industry



Model	30-GP3	30-GP3N	30-GPS3DLC
Flow rate cc/rev.	3	3	3
Gear pump material	Alloy steel	Alloy steel	SUS
Hardened		Hardening coated	DLC
Rated rpm	10~300	10~300	10~300
Flow rate range cc/min.	30~900	30~900	30~900
Motor & driven control	Flame proof & AC servo		
Flow rate display	HMI		
Driven electric power	AC220V x 3Φ,50/60Hz, 0.4KW		
Weight(W/paint hose and joint(kg)	7.5	8	8
Applicable paint	Solvent base		Solvent/waterbase
Flow rate can be controlled by robot analogue output.			

Gear metering pump install on robot 2nd arm for car body and bumper



Model	40-GPS3DLC	40-GPS5DLC	40-GP3T	40-GP5T
Flow rate cc/rev.	3	5	3	5
Gear pump material	Stainless steel		Tungsten steel	
Hardened	DLC	DLC		
Rated rpm	10~300	10~300	10~300	10~300
Flow rate range cc/min.	30~900	30~1500	30~900	50~1500
Motor & driven control	Flame proof, AC servo			
Flow rate display	HMI			
Driven electric power	AC220V x 3Φ, 50/60Hz, 0.4kW			
Weight(W/paint hose and joint(kg)	8	10	8	10
Applicable paint	Solvent/water base			
Flow rate can be controlled by robot analogue output or digital output.				