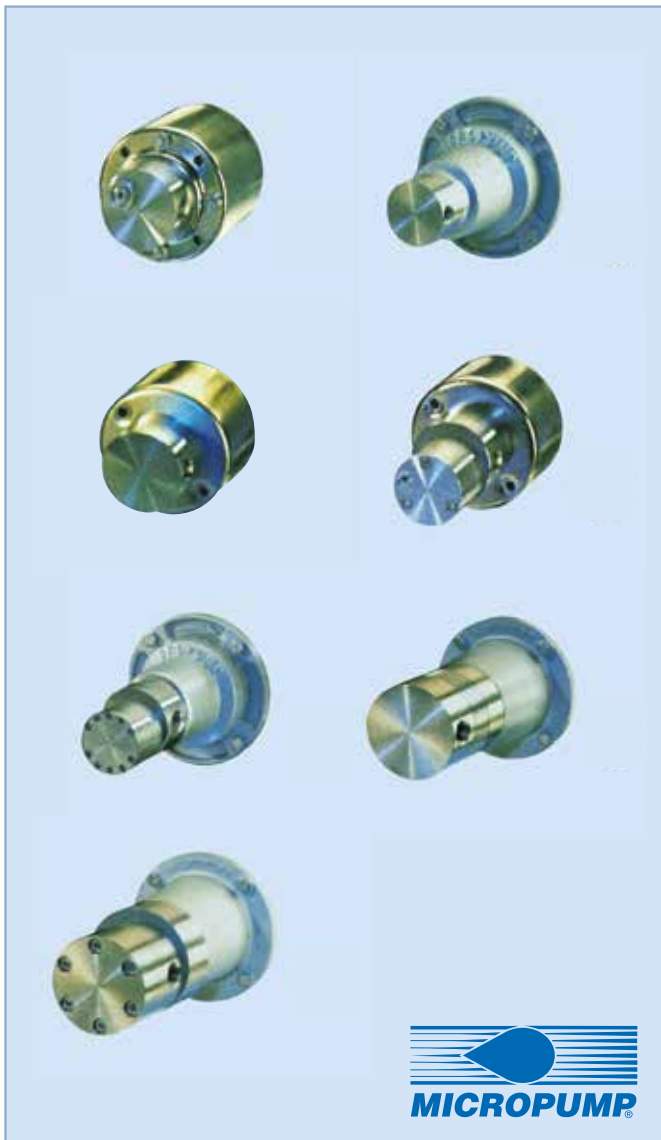


# Magnetic drive gear pumps



Micropump is the industry leader in small, positive displacement, magnetically driven pumps. The Micropump pumps, deliver exceptional performances for any precision application: these compact pumps don't have any dynamic seals for all the application can't tolerate leaks.

The smallest pump of the G series (GA – GB & GC), are designed with the suction shoe style, for wear self-compensation, continuous duty and improved efficiency at high pressure.

All the other models are designed with the cavity style, for wide ranging of the inlet and outlet operating conditions and for an intermittent duty in reverse, for some models only.

The small pumps size is easily incorporated into the design of many systems, while the magnetic drive and static sealing, keep the fluid securely into the pump and out of any contamination.

The long pump life in aggressive environments, the smooth and pulseless liquid flow as well as the easy service, offer a product at the top.

#### Industries served

- Aerospace and aircraft
- Automotive
- Biotechnology
- Electronics
- Clinical and Analytical
- Food and beverage
- Medical
- Pharmaceutical
- Paint and inks

#### Main applications

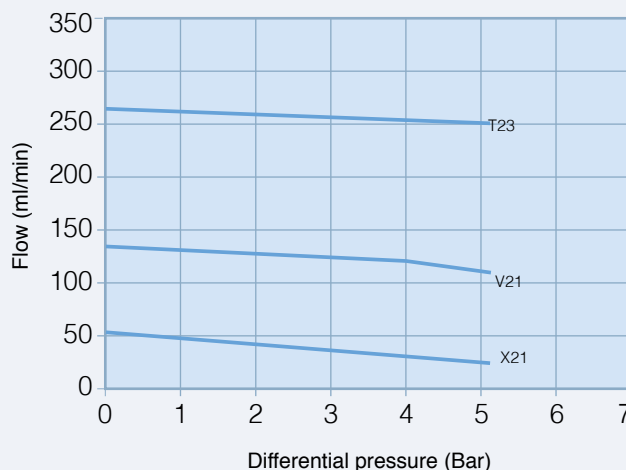
- Textile printing
- Ceramic printing
- Diesel engine emission control
- Refrigerant recovery
- Pulp & paper bleaching
- Mechanical seals flush
- Fuel additive injection
- Pipeline sampling

Pump GA



Dimensions mm.

Curves at 2,850 RPM

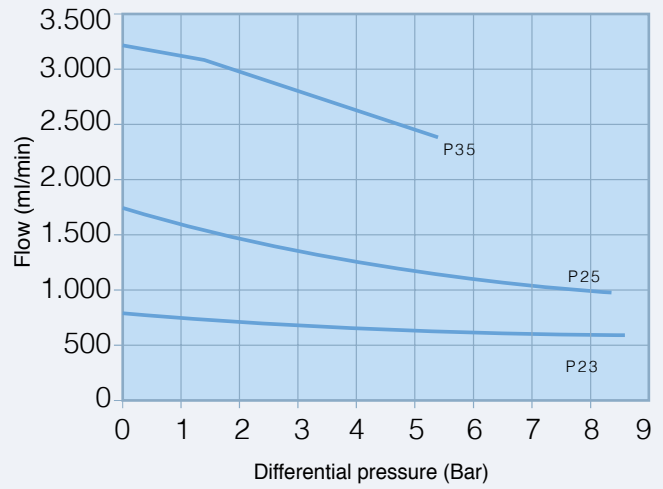


Pump GB



Dimensions mm.

Curves at 2,850 RPM

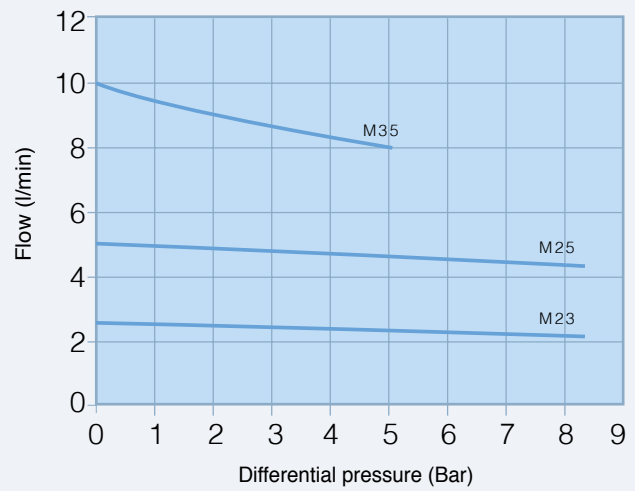


Pump GC



Dimensions mm.

Curves at 2,850 RPM

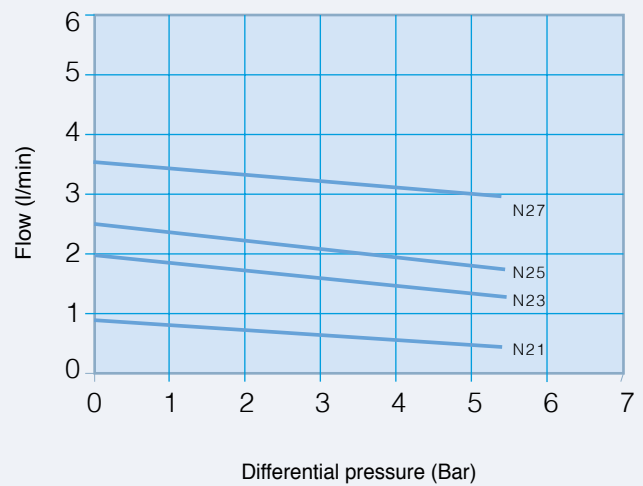


Pump GJ



Dimensions mm.

Curves at 2,850 RPM

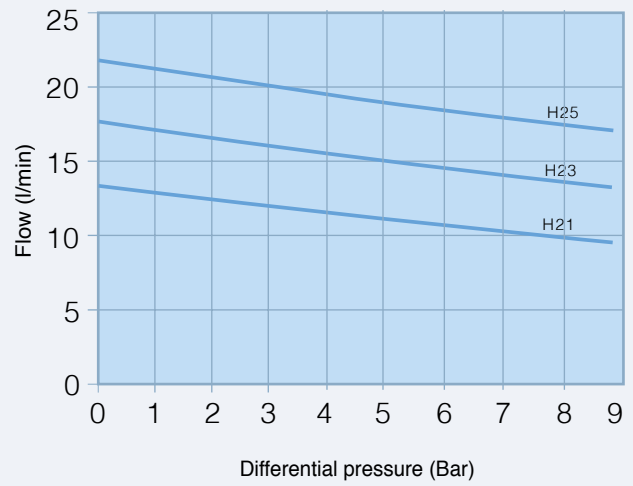


### Pump GL



Dimensions mm.

### Curves at 2,850 RPM

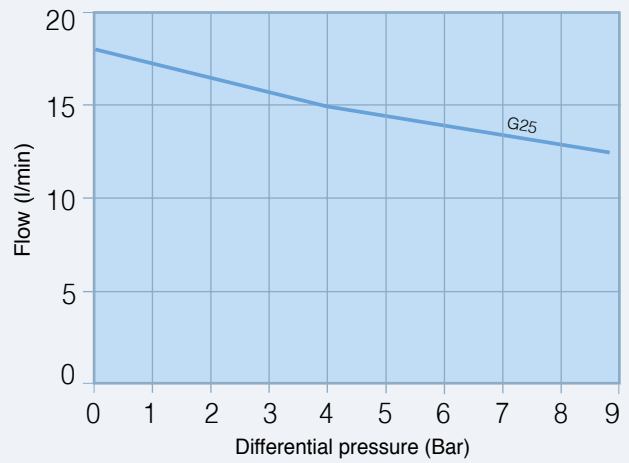


### Pump GM



Dimensions mm.

### Curves at 1,450 RPM

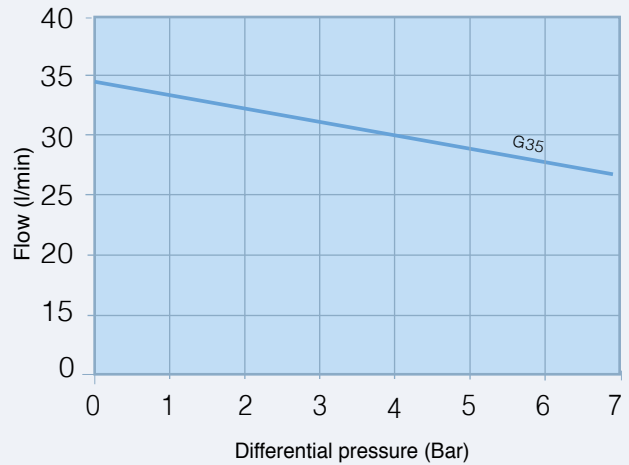


### Pump GN



Dimensions mm.

### Curves at 1,450 RPM



## Pumps technical specifications

PUMP MODEL		FLOW PER ROUND (ml)	PUMP STYL	GEAR NUMBERS	MAX DIFF PRESSURE (Bar)	DESIGN TEMPERATURE (°C)	VISCOSITY RANGE (CPS)	SYSTEM DESIGN PRESSURE (Bar)	MAX ROTATION SPEED (RPM)	WEIGHT (Kg)	
GA	X21	0,017	SUCTION SHOE	2	5,2	-46 - +177	0,5 - 1.500	352	5.500	0,34	
	V21	0,042									
	T23	0,092									
GB	P23	0,26		3	8,7			103	4.000		2,70
	P25	0,58									
	P35	1,17									
GC	M23	0,81		2	8,7			21	5.500	0,34	
	M25	1,82									
	M35	3,48									
GJ	N21	0,316	CAVITY STYLE	2	5,6	-46 - +121	0,5 - 2.500	103	3.450	3,90	
	N23	0,64									
	N25	0,91									
	N27	1,23									
GL	H21	4,6		8,6	-46 - +121	69	1.750	10,90			
	H23	6,2									
	H25	7,7									
GM	G25	12,2		3	6,9	103	8,40				
GN	G35	24,5									

## Materials

		PUMP MODEL							
		GA	GB	GC	GJ	GL	GM	GN	
BASE MATERIAL	SS AISI 316	X							
	Alloy 20		+			N/A		+	
	Hastelloy C 276			+		N/A			
	Titanium			+		N/A			
GEARS	PEEK	X							
	PTFE	+		N/A		+			
	CARBON GRAPHITE	+			N/A	N/A			
	PPS RYTON			+		N/A			
	CARBON	+		N/A		N/A			
STATIC SEALS	PTFE	X		N/A		X	N/A	X	
	TEV	+		X			+		
	VITON/FKM			+		N/A	N/A	X	+
	EPDM			+				+	
	KALREZ/FFKM			+				N/A	
DRIVING MAGNET	FERRITE			X			N/A		
	ELECTROMAGNETIC		+		N/A	+	N/A		
	RARE EARTH			+			X		
DRIVEN MAGNET	FERRITE			X			N/A		
	ELECTROMAGNETIC		+		N/A	+	N/A		
	RARE EARTH			+			X		
PORTS	1/8" NPT side		X			X	N/A		
	1/4" NPT side		+		N/A	+	N/A		
	1/8" NPT deck						N/A		
	3/8" NPT side			N/A	X	N/A	N/A		
	3/4" NPT side					N/A	X		
Internal by pass		N/A	+	N/A		+	N/A		

X = Standard

+ = upon request

N/A = not available