Overview

Features of the TG-01 direct-drive DC micro gear pump:

1. The pump housing is made of high-quality plastic, ensuring durability and excellent self-priming performance.
2. Chemical-resistant and capable of withstanding high pressure; suitable for pumping a wide range of media.
3. Low starting current, high efficiency, stable and reliable operation.
4. Low power consumption, energy-saving, and environmentally friendly.
5. Mainly used in coffee machines, water dispensers, beverage equipment, drone pesticide spraying, etc.
6. Suitable for pumping milk, cooking oil, weak acids and weak bases, gasoline, and diesel oil.



Application of the Direct-Drive DC Gear Pump:

This product adopts a reduction structure and is driven by a brushed motor, featuring a compact size and high-pressure capability.

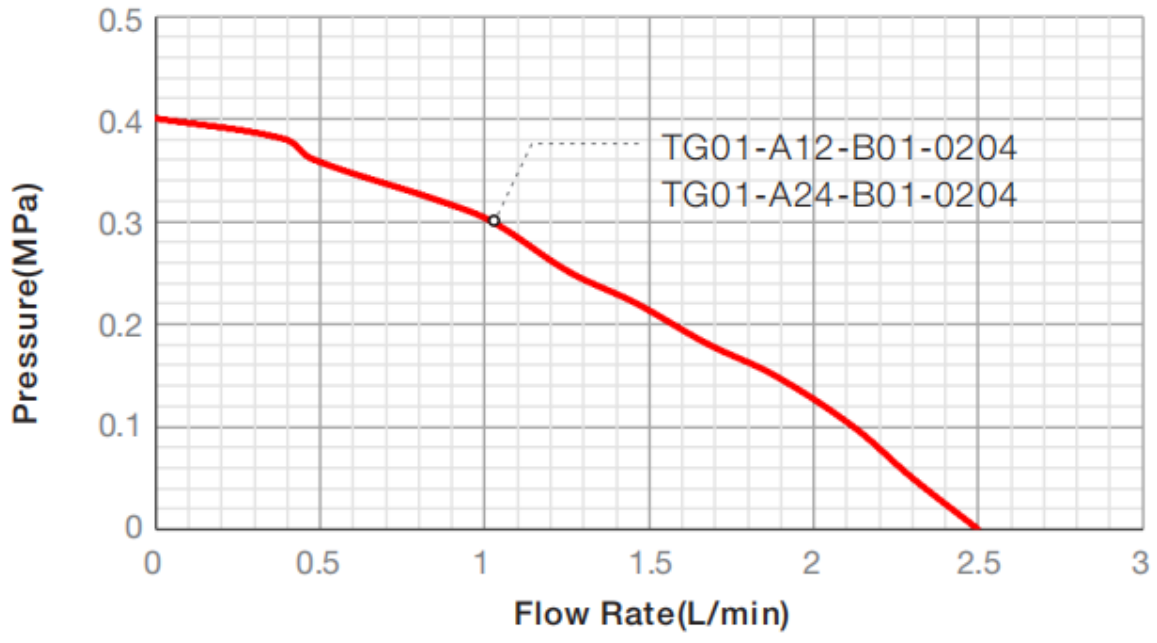
It is suitable for intermittent media transfer applications and is widely used in spray systems, sanitary products, aerosol devices, ice machines, water dispensers, coffee machines, drinking fountains, wine dispensers, beverage dispensers, car windshield washer pumps, air-conditioning pumps, humidifiers,

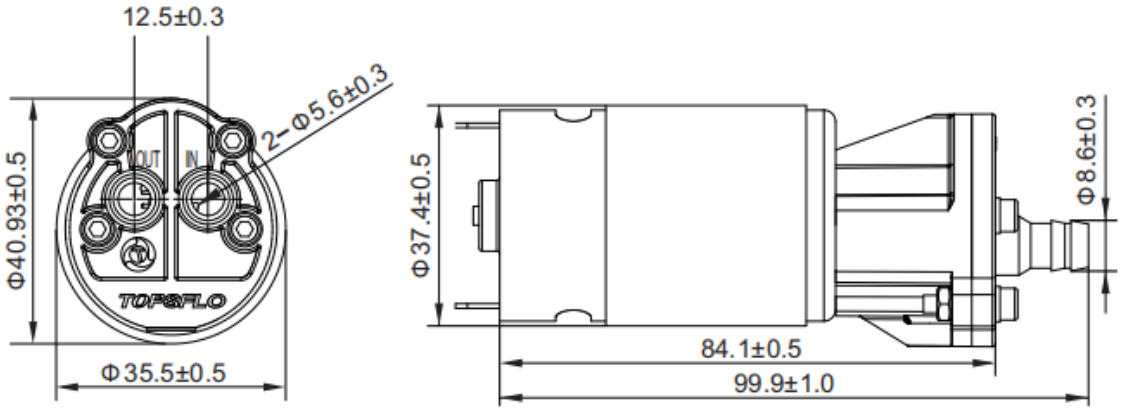
medical equipment, food processing, pesticide systems, water treatment, filling machines, the home appliance industry, and experimental laboratories.

■ Specifications

Model	Product Code	Rated Voltage (V)	No-Load Current (A)	Max. Load Current (A)	Head (bar)	Flow Rate (L/min)
TG01	TG01-A12-B01-0204	12	0.9	1.8	4	2.5
TG01	TG01-A24-B01-0204	24	0.6	1.8	4	2.5

Parameter	Specification
Motor Type	Brushed DC Motor
Maximum Flow Rate	2.5 L/min
Maximum Pressure	4 bar
Rated Voltage	12V / 24V
Suction Height	0.7 m
Fluid Temperature	0–80 °C
Operating Voltage Range	12V pump: 9–15V; 24V pump: 18–28V
Pump Principle	Gear pump
Media	Various liquids and oils
Ideal Service Life	1000 hours
Operating Mode	Intermittent
Functions	Self-priming




12.5±0.3
2-Φ5.6±0.3
OUT
IN
Φ40.93±0.5
TOPSFLO
Φ35.5±0.5
Φ37.4±0.5
Φ8.6±0.3
84.1±0.5
99.9±1.0