

## DG Series Pump Head

### DG Pump Head Introduction

Features: DG series are designed for small flow and multi-channel transmission, easy to replace and fix tubing. Self adapting spring adjusts pressing gap automatically according to tubing. The rollers are made of 304 stainless steel. A whole pump head consists of three parts: frame, roller device and cartridge. According to the numbers of channel, there are DG1, DG2, DG4, DG8, DG12, DG16, DG24 series at present.



#### Specifications:

Flow range: 0.00016~48ml/min

Card material: POM

Roller material: 304 stainless steel

Roller number: 6, 10

Gap adjustment: micro-adjustment

Applicable tube: wall thickness 0.8~1(mm)

ID  $\leq$  3.17 (mm)

### DG Card series pictures



DG-1



DG-2



DG-4



DG-8



DG-12



卡片(card)

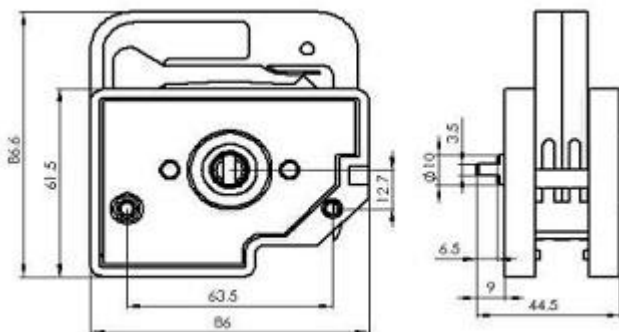


6 滚轮(rollers)



10 滚轮(rollers)

Appearance size



The difference of DG series pump heads in the market nowadays



Lead Fluid DG pump heads



Others brand pump heads

At present, the traditional method for adjusting the gap between cartridge and roller is mainly through manual plastic ratchet, but this device causes different flow rate from every channel obviously, the main reasons:

1. Manual adjustment can not guarantee the consistency of every channel, even amplifies the difference.
2. The plastic ratchet might be loosen upon of long time working, the change of gap will effect consistence from every channel.

Lead Fluid DG pump head adopts self adapting metal spring to ensure the consistency of pressure from every channels, comparing to plastic ratchet, this device increase the consistency of flow rate from every channels obviously.