The DV-8000C Heli-Flow® Pump with fixed-head design excels at dispensing high-viscosity fluids and high flow rate for higher speed dispensing.

With interchangeable cartridges, the DV-8000C can be easily configured for a wide variety of applications including solder paste, thermal grease, silver epoxy, lid seal and dam materials.

The cartridge and feedscrew are made of carbide for long-life operation and are interchangeable with DV-8000 and DV-7000 non-footed cartridges.

The quick-release cam lock design securely holds cartridge in place and makes removing the cartridge easy. Simply press the quick release cam lever to remove the needle and cartridge. No tools are required. To use a different fluid type, simply change the cartridge, needle, and disposable fluid line.
**DV-8000 Heli-Flow® Pump Specifications and Configurations**

**Dimensions**
- Length: 190-192 mm (7.48-7.56 in.)
- Width: 33 mm (1.3 in.)
- Depth: 72.6 mm (2.86 in.)

**Air Pressure Required**
- 34-552 kPa (0.7-5.5 Bar, 5-80 psi)

**Motor**
- Closed-loop control with encoder feedback on the dispensing platform

**Encoder Resolution**
- 0.0095 degrees of rotation per encoder, providing excellent small-shot resolution

**Two Gear Box Options**
- 19:1 standard, 4.4:1 for high flow (200 mg/s) and high viscosity materials

**Flow Rate Range**
- Flow rate depends on fluid, needle, valve speed, and syringe pressure
- Minimum volume displacement allows pump to dispense dots smaller than 0.5 mm in diameter
- Maximum flow rate capability for damming material is well over 100 mg/s

  (viscosity 1 M centipoises, specific gravity 1.76)

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**For more information, visit our website to locate your local representative or contact your regional office:**

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