

# Robot Dispensing System for Low Viscosity Materials from Semco Cartridges



## Description

Allowing the controlled dispensing of materials from prepacked cartridges, including Semkits®, this automated system uses a [F5200N.2 robot](#) to repeatedly perform programmed dispensing patterns quickly and accurately. The cartridges are held in a pressurised cartridge holder, and the flow is initiated by a [DC50 dispensing controller](#), which provides a timed air pressure.

For materials that may ordinarily be difficult to control due to their low viscosity, an integrated [pinch tube valve](#), activated by a [DC50 dispensing controller](#), cuts off the flow of material once a shot has been completed, allowing a drip-free process.

The cartridge holder and pinch tube valve are securely fastened to the robot using a custom mounting bracket, granting easy replacement of cartridges and the valve pinch tube, without realignment.

This dispensing system is an example. We would be pleased to [help you put together a dispensing system](#) customised for your particular needs.

## Features & Benefits



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Suitable for low viscosity fluids

- Straightforward cleaning and maintenance without introducing error
- Controlled, mess-free process reduces material wastage
- Repeatable dispensing allows fewer part rejects
- System fits easily onto a benchtop
- Easily programmable using the included teach pendant

## Ordering Information

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Part number	Description
<a href="#">FISF5200N.2</a>	200 x 200mm work area 3-axis robot
<a href="#">FISDC50</a>	DC50 digital liquid dispenser
<a href="#">FIS710PTLF</a>	Pinch Tube Dispensing Valve
<a href="#">FIS5601381</a>	8 fl oz (237ml) Metal Cartridge Retainer

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Let’s start by talking about your application

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- Name\*
- Company\*
- Phone\*
- Email\*
- Post code\*

If you're in the UK, knowing your postcode would help us get in touch even more quickly. If you're outside the UK, please indicate your country.

- 
- Tell us about your application

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## Comments

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