IDM HDV-130 Handheld Diaphragm Dispensing Valve

Description

Handheld diaphragm valve

The **IDM HDV-130 Handheld Diaphragm Valve** is a single, air actuating, diaphragm valve with spring closure in a handheld format to allow manual application of a variety of fluids, particularly suitable for cyanoacrylates. The valve requires a dispensing controller such as the FIS DC50 Benchtop Digital Liquid Dispensing Controller or FIS DC100 Precision dispensing controller to actuate the air section.

The wand style handle allows the operator to hold the valve like a pen for comfortable and precise control over the fluid flow and easy manipulation to dispense fluids to complex substrates.

The all plastic construction of wetted parts enables this valve to be compatible with fluids such as cyanoacrylates, anaerobics, conformal coatings, solvents, etc. A stroke adjustment in the air cylinder provides fine tune control of the fluid flow rate.

IDM HDV-130 Handheld Diaphragm Dispensing Valve

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Lever operated handheld diaphragm valve

The **IDM HDV-120 Lever operated handheld diaphragm valve** is a lever operated option for increased operator comfort and efficiency. Depressing the lever allows a diaphragm to flex and therefore allow material to flow through the valve. The diaphragm will terminate the dispensing process as the lever is released.

The valve's ergonomic wand design makes handheld dispensing easier than ever. The IDM HDV-120 can be used in applications requiring dots, beads, encapsulation, or potting.

IDM HDV-120 Lever operated handheld diaphragm valve

Features & Benefits

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Recommended for dispensing cyanoacrylate adhesives (CAs) and other low viscosity liquids and fluids

- Lightweight wand style allows operator to hold the valve like a pen for comfortable and accurate handheld dispensing
- Suitable for cyanoacrylate adhesives and volatile materials due to the all plastic construction
- Patented silicone diaphragm disk with PTFE film embedded on the wetted side
- Available in a lever controlled option for operator comfort and efficiency
- ESD safe fluid section for grounding option
- Stroke adjustment for more precise control over shots
- Compatible with luer lock dispensing tips

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Applications

Suitable for controlled dispensing of low to medium viscosity liquids including:

- Cyanoacrylate adhesives
- Anaerobic adhesives
- Conformal coatings
- Solvents
- Inks
- Oils
- Laquers

Specifications

IDM HDV-130 Handheld Diaphragm Valve

Specification	
Dimensions (mm)	Overall length: 168.7 Air body diameter: 44.5 Fluid pen diameter: 18.0

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Specification	
Weight	Approximately 133g
Viscosity range (cps)	1 – 50,000
Operating air pressure (psi)	60 – 100
Maximum inlet fluid pressure (psi)	80
Wetted components	Acetal, PTFE, Polyethylene
Fluid inlet	1/8” FNPT
Fluid outlet	Male Luer Lock

IDM HDV-120 Lever controlled diaphragm valve

Specification	
Dimensions (mm)	163.8 x 55.9

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Specification	
Weight	Approximately 136g
Viscosity range (cps)	1 – 20,000
Maximum inlet fluid pressure (psi)	60
Wetted components	Acetal, PTFE, Polyethylene

Ordering Information

Part number	Description
IDMHDV-120	Lever operated handheld diaphragm valve
IDMHDV-130	Handheld diaphragm valve
IDMHDV-120-SP	Spare parts kit for IDMHDV-120 Incl. 10 x Diaphragm, 1 x Plastic Luer adapter

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Part number	Description
IDMHDV-130-SP	Spare parts kit for IDMHDV-130 Incl. 1 x Diaphragm, 1 x Nitrile O-Ring, 1 x FFKM O-Ring, 1x Nitrile O-Ring and 1 x Plastic Luer adapter

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Let’s start by talking about your application

IDM HDV-130 Handheld Diaphragm Dispensing Valve

01865 842842	orders@intertronics.co.uk

- 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

IDM HDV-130 Handheld Diaphragm Dispensing Valve

Any information that you submit using this form will be processed according to our privacy policy.

Name

This field is for validation purposes and should be left unchanged.

Submit

Supplied by:

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