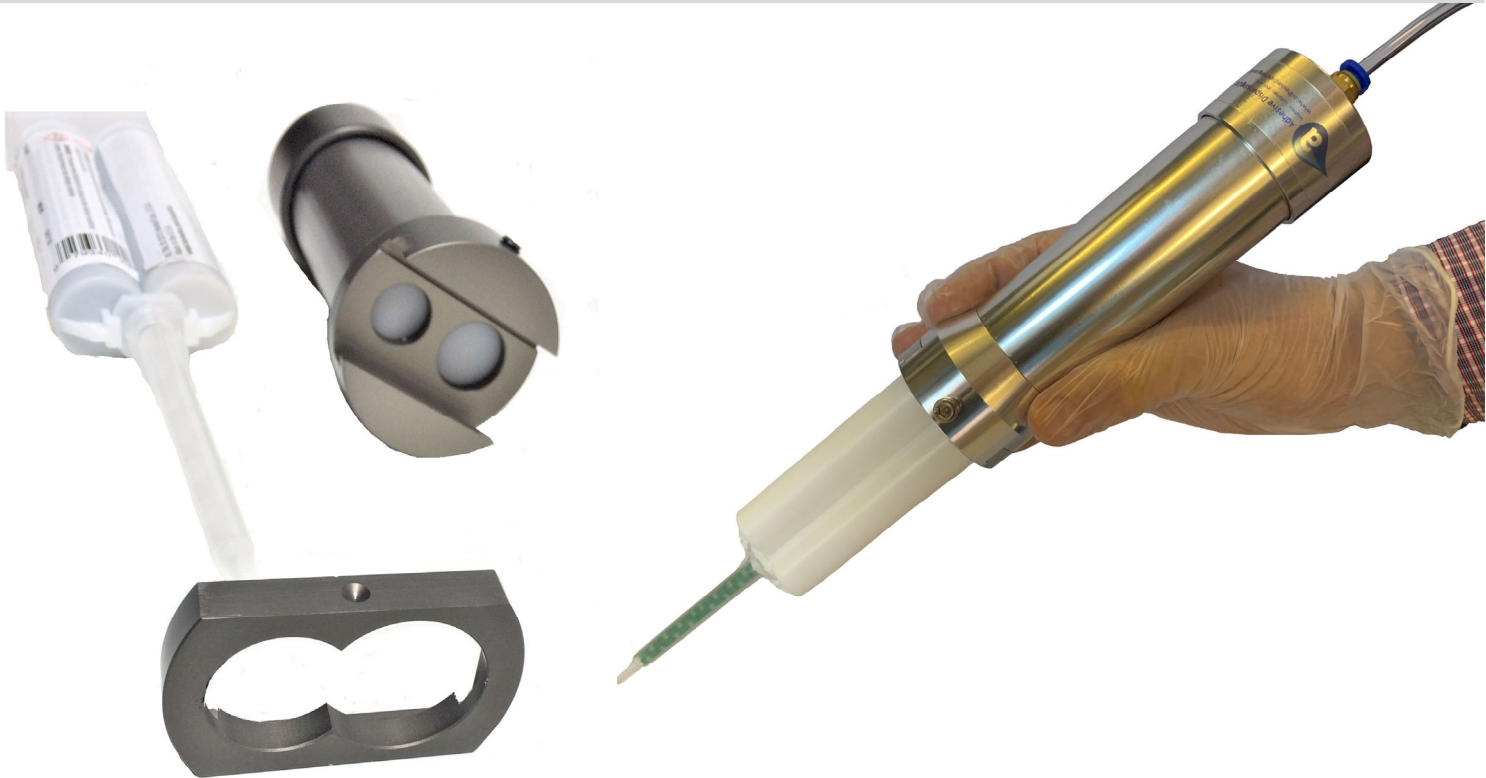


ADV-50 Series Retainers

For 50ml Dual Component Epoxy Cartridges



These high-performance epoxy delivery systems provide controlled deposits of a wide variety of PU adhesives, epoxy resins, silicones, potting compounds, doming resins and sealants. Dispense from 50ml sized dual cartridges when connected to a pneumatic dispenser to meet your dispensing needs.

These applicators are pneumatic only and accept a direct compressed air supply from most standard benchtop dispensers, up to 100 PSI pressure. The air hose simply attaches to the dispenser air outlet connector. Set the optimum pressure for flow control over the material, use the dispenser vacuum suck-back to pull back the drive rods for cartridge changeover when empty.

ADV retainers are available to suit 50ml dual component cartridges in 1:1, 2:1 and 4:1 and 10:1 mix ratios for A-system style cartridges and the same ratios for the B-system style cartridges. And in a 10:1 mix ratio for oval "roundback" S-type dual cartridges.

Set the dispenser air pressure, set the dispenser timer, achieve timed shot repeat precise deposits of two component epoxies and polyurethanes, etc. Or switch the dispenser timer mode off and make controlled beads or potting of components.

Easy to clean metal body with push fit air hose connection and standard dispenser quick connect air fitting. Supplied boxed with basic instructions for setting up and use. These systems can be hand held for dispensing or used with optional brackets for mounting to an XYZ dispensing robot.



A-System Type Dual Component Cartridge Retainers

50ml A-System Dual Retainer 1:1 Ratio

Rod-driven dispenser system for 50ml 1:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-11	50ml, 1:1, A-System, Retainer



A-System 1:1 Flange

50ml A-System Dual Retainer 2:1 Ratio

Rod-driven dispenser system for 50ml 2:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-21	50ml, 2:1, A-System, Retainer



A-System 2:1 Flange

50ml A-System Dual Retainer 4:1 Ratio

Rod-driven dispenser system for 50ml 4:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-41	50ml, 4:1, A-System, Retainer



A-System 4:1 Flange

50ml A-System Dual Retainer 10:1 Ratio

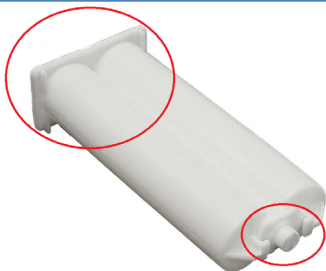
Rod-driven dispenser system for 50ml 10:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

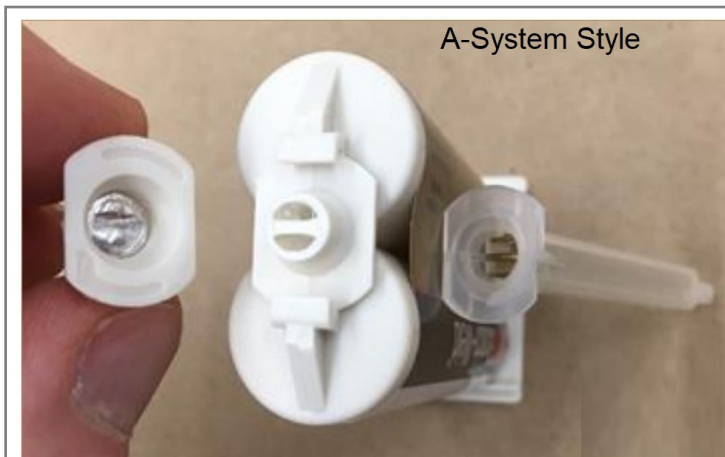
Part	Description
ADV-50-10	50ml, 10:1, A-System, Retainer



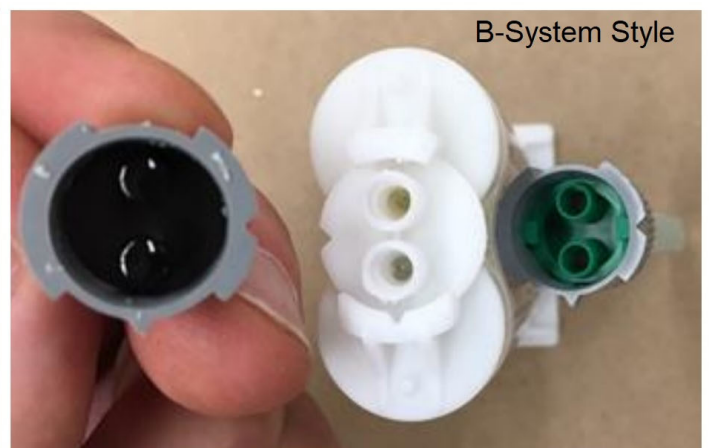
A-System 10:1 Flange



The A-System dual component 50ml size cartridges have a rectangular shaped flange top for connection to dispenser guns and the ADV retainer system. The nozzle end has a small bayonet twist-lock attachment and can be recognised by the 2 separate half moon outlets. Right and below left.



A-System Style



B-System Style

B-System Type Dual Component Cartridge Retainers

50ml B-System Dual Retainer 1:1 Ratio

Rod-driven dispenser system for 50ml 1:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-11B	50ml, 1:1, B-System, Retainer



B-System 1:1 Flange

50ml A-System Dual Retainer 2:1 Ratio

Rod-driven dispenser system for 50ml 2:1 ratio A-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-21B	50ml, 2:1, B-System, Retainer



B-System 2:1 Flange

50ml B-System Dual Retainer 4:1 Ratio

Rod-driven dispenser system for 50ml 4:1 ratio B-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-41B	50ml, 4:1, B-System, Retainer



B-System 4:1 Flange

50ml B-System Dual Retainer 10:1 Ratio

Rod-driven dispenser system for 50ml 10:1 ratio B-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-10B	50ml, 10:1, B-System, Retainer



B-System 10:1 Flange

50ml S-System Dual Retainer 10:1 Ratio

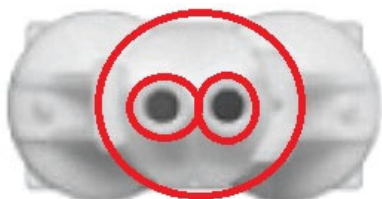
Rod-driven dispenser system for 50ml 10:1 ratio S-system dual cartridges. Works with any pneumatic dispenser with vacuum suckback. Includes air hose and quick connector.

Weight: 0.4kg. Length: 160mm. Maximum Pressure: 100 PSI.

Part	Description
ADV-50-101	50ml, 10:1, S-System, Retainer



S-System 10:1 Flange



The B-System dual component 50ml size cartridges have a rectangular shaped flange top (oval shape for S-type only) for connection to dispenser guns and the ADV retainer system.

The nozzle outlet end has a round flange cap attachment and can be recognised by the dual separate circular hole outlets.

Attachment to the cartridge flange is simple.



A-System Dual Component Cartridges and Mixers

A-System Dual Cartridges 1:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

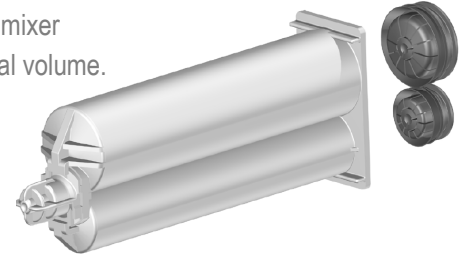
Part	Description
451000-01	50ml, 1:1 Ratio, Vented Pistons
451000-02	50ml, 1:1 Ratio, Lip-Seal Pistons



A-System Dual Cartridges 2:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

Part	Description
452013-01	50ml, 2:1 Ratio, Vented Pistons
452013-02	50ml, 2:1 Ratio, Lip-Seal Pistons



A-System Dual Cartridges 4:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 42ml total volume.

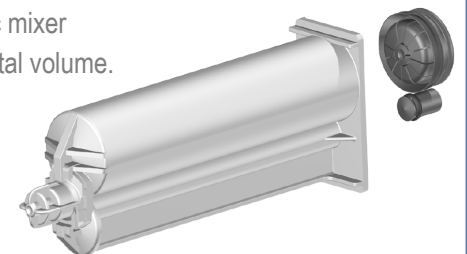
Part	Description
454000	50ml, 4:1 Ratio, Vented Pistons



A-System Dual Cartridges 10:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 37ml total volume.

Part	Description
454010	50ml, 10:1 Ratio, Vented Pistons



Part	Description
MA3.0-07S	White, 3mm ID, 7 Element, 1:1/2:1
MA3.0-13S	White, 3mm ID, 13 Element, 1:1/2:1
MA3.0-17S	White, 3mm ID, 17 Element, 1:1/2:1
MA4.0-13S	White, 3mm ID, 13 Element, 1:1/2:1
MA4.0-17S	White, 4mm ID, 17 Element, 1:1/2:1
MA5.4-07S	White, 5.4mm ID, 7 Element, 1:1/2:1
MA5.4-13S	White, 5.4mm ID, 13 Element, 1:1/2:1
MA5.4-17S	White, 5.4mm ID, 17 Element, 1:1/2:1
MA5.4-07S	White, 5.4mm ID, 7 Element, 1:1/2:1
MA5.4-21S	White, 5.4mm ID, 21 Element, 1:1/2:1
MA6.3-12S	White, 6.3mm ID, 12 Element, 1:1/2:1
MA6.3-17S	White, 6.3mm ID, 17 Element, 1:1/2:1
MA6.3-21S	White, 6.3mm ID, 21 Element, 1:1/2:1
MA6.3-21L	White, 6.3mm ID, 21 Element, 1:1/2:1

A-System Static Mixer Nozzles

Bayonet type mixer nozzles for use with A-System dual cartridges.



Part	Description
MAQ05-16L	Green, 5.4mm ID, 16 Element, 1:1/2:1
MAQ05-24L	Green, 5.4mm ID, 24 Element, 1:1/2:1

Part	Description
MAHX04-17T	Orange, 4.0mm ID, 17 Element, 4:1/10:1
MAHX05-17T	Orange, 5.4mm ID, 17 Element, 4:1/10:1

B-System Dual Component Cartridges and Mixers

B-System Dual Manual Syringes 1:1 Ratio (not used with ADV Retainer)

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes dual cartridge, plunger rods and dust cap. 25ml total volume.

Part	Description
116647	25ml, 1:1 Ratio, Clear Plunger, PP
116924	25ml, 1:1 Ratio, Black Plunger, PP



B-System Dual Cartridges 1:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

Part	Description
112511	50ml, 1:1 Ratio, Vented Pistons, PP
116347	50ml, 1:1 Ratio, Lip-Seal Pistons, PP



B-System Dual Cartridges 2:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

Part	Description
114099	50ml, 2:1 Ratio, Vented Pistons, PP
116342	50ml, 2:1 Ratio, Lip-Seal Pistons, PP



B-System Dual Cartridges 4:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

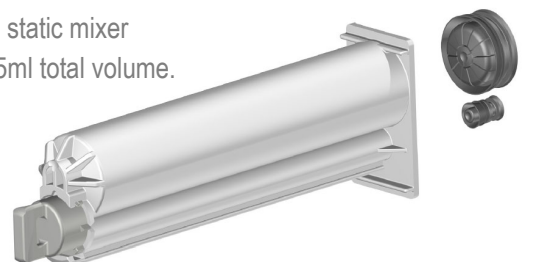
Part	Description
116421	50ml, 4:1 Ratio, Lip-Seal Pistons, PP
116422	50ml, 4:1 Ratio, Lip-Seal Pistons, PBT



B-System Dual Cartridges 10:1 Ratio

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 45ml total volume.

Part	Description
116423	50ml, 10:1 Ratio, Lip-Seal Pistons, PP
116424	50ml, 10:1 Ratio, Lip-Seal Pistons, PBT



S-System Dual Cartridges 10:1 Ratio Oval

Empty dual component cartridge sets are available for filling and dispensing via static mixer nozzles. Each kit includes the dual cartridge with wiper pistons and dust cap. 50ml total volume.

Part	Description
S50-10-20-01	50ml, 10:1 Ratio, Lip-Seal Pistons, PBT



B-System Dual Component Cartridge Mixers

B-System Static Mixer Nozzles

Twist-on type mixer nozzles for use with B-System dual cartridges. White or green element for 1:1/2:1 ratio.

Part	Description
MBH03-12D	White, 3.0mm ID, 12 Element, 1:1/2:1
MBH03-12S	White, 3.0mm ID, 12 Element, 1:1/2:1
MBH03-16D	White, 3.0mm ID, 16 Element, 1:1/2:1
MBH03-16S	White, 3.0mm ID, 16 Element, 1:1/2:1
MBH03-16L	White, 3.0mm ID, 16 Element, 1:1/2:1
MBH04-12D	White, 4.0mm ID, 12 Element, 1:1/2:1
MBH04-16D	White, 4.0mm ID, 16 Element, 1:1/2:1
MBH04-16S	White, 4.0mm ID, 16 Element, 1:1/2:1
MBH05-12D	White, 5.4mm ID, 12 Element, 1:1/2:1
MBH05-14D	White, 5.4mm ID, 14 Element, 1:1/2:1
MBH05-16T	White, 5.4mm ID, 16 Element, 1:1/2:1
MBH05-20T	White, 5.4mm ID, 20 Element, 1:1/2:1
MBH06-11D	White, 6.5mm ID, 11 Element, 1:1/2:1
MBH06-16T	White, 6.5mm ID, 16 Element, 1:1/2:1
MBH06-20T	White, 6.5mm ID, 20 Element, 1:1/2:1



Part	Description
MAQ05-16L	Green, 5.4mm ID, 16 Element, 1:1/2:1
MAQ05-24L	Green, 5.4mm ID, 24 Element, 1:1/2:1

B-System Static Mixer Nozzles

Orange element for 4:1/10:1 ratio. Helical round or square body.

Part	Description
MBHX03-16S	Orange, 3.2mm ID, 16 Element, 4:1/10:1
MBHX04-16D	Orange, 4.2mm ID, 16 Element, 4:1/10:1
MBHX04-16S	Orange, 4.2mm ID, 16 Element, 4:1/10:1
MBHX05-12D	Orange, 5.4mm ID, 12 Element, 4:1/10:1
MBHX05-16T	Orange, 5.4mm ID, 16 Element, 4:1/10:1
MBHX05-20T	Orange, 5.4mm ID, 20 Element, 4:1/10:1
MBHX06-16D	Orange, 6.5mm ID, 16 Element, 4:1/10:1
MBHX06-16T	Orange, 6.5mm ID, 16 Element, 4:1/10:1
MBHX06-20T	Orange, 6.5mm ID, 20 Element, 4:1/10:1



Part	Description
MBQX05-16L	Orange, 5.3mm ID, 16 Element, 4:1/10:1
MBQX05-24L	Orange, 5.3mm ID, 24 Element, 4:1/10:1

The ADV 50ml two-component retainer system is designed to be used on 3-axis dispensing robots. It will mount to be robot gantry using a bracket. The resin will be fed to a static mixer nozzle for direct dispensing or fed into a dispensing valve with disposable feed paths. This optional part is manufactured by Techcon Systems.

Material: Stainless Steel, Aluminium

For: All ADV Retainer Systems

Retainer	Description
TSR-DSB50ML-3	Robot Bracket



Pneumatic Dispensers for use with ADV Retainers

Analogue Timed Shot Dispenser

Analogue pressure gauge, regulator and timer knob. Vacuum suck-back.

Type: Analog Timed Shot Dispenser
 Timer: 0.01-30 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch
 Brand: Adhesive Dispensing Ltd

Dispenser	Description
AD9150	Timed Shot Dispenser



Digital Timed Shot Dispenser

Analogue pressure gauge, regulator and digital timer display. Vacuum suck-back.

Type: Digital Timed Shot Dispenser
 Timer: 0.02-60 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch, I/O
 Brand: Techcon Systems

Dispenser	Description
TS250	Timed Shot Dispenser



Digital Timed Shot Dispenser

Analogue pressure gauge, regulator and digital timer display. Vacuum suck-back.

Type: Digital Timed Shot Dispenser
 Timer: 0.008-99.99 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch
 Brand: Fisnar

Dispenser	Description
DC50	Timed Shot Dispenser



Digital Timed Shot Dispenser

Digital pressure gauge, regulator and digital timer display. Vacuum suck-back.

Type: Digital Timed Shot Dispenser
 Timer: 0.008-60 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch, I/O
 Brand: Techcon Systems

Dispenser	Description
TS350	Timed Shot Dispenser



Digital Timed Shot Dispenser

Digital pressure gauge, regulator and digital timer display. Vacuum suck-back.

Type: Digital Timed Shot Dispenser
 Timer: 0.008-99.99 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch, I/O
 Brand: Fisnar

Dispenser	Description
DC100	Timed Shot Dispenser



Digital Timed Shot Dispenser

Digital pressure gauge, regulator and digital timer display. Vacuum suck-back.

Type: Digital Timed Shot Dispenser
 Timer: 0.01-99.99 Seconds
 Vacuum Suckback: Manual Knob
 Power: 110V-220V AC
 Pressure: 0-100 PSI Adjustable
 Actuation: Electric Foot Switch
 Brand: Adhesive Dispensing Ltd

Dispenser	Description
AD1001	Timed Shot Dispenser



HOW TO ORDER

Simply quote our part number, quantity required, your order number or reference and delivery address - it couldn't be easier.

- 1** BY TELEPHONE:
01908 686660
- 2** BY FAX:
01908 686836
- 3** FROM OUR WEBSITE:
adhesivedispensers.co.uk
- 4** BY EMAIL:
orders@adhesivedispensers.co.uk

HOURS OF BUSINESS
MONDAY TO FRIDAY 9AM TO 5.30PM

Reasons to use our dispensing components

- Industrial grade** - certified safe for use to 100 psi. Will not break when in use under pneumatic or mechanical pressure.
- Certified Silicone-Free**. Our components will not contaminate fluids placed when in use including specialist adhesives.
- Burr-free**. All blunt tips are electro-polished and produced to a high precision finish.
- Widest range** - we stock millions of parts in many different styles and an extensive range of cartridges, nozzles, mixers.
- Fast lead times**. Most products are held in stock and available within days not weeks.
- Boxed** - most of our tips are supplied in sealed boxes for easy identification and protection against contamination.
- Batch codes** - all labelled with batch codes for traceability.
- Expert support**. We recommend our products to ensure our customers receive the right solution for their application.



HOW TO PAY

We are happy to accept payment by the following methods:

CREDIT CARD

Please quote your card number, start and expiry dates and security digits together with your name, address and delivery address.



CHEQUE

Cheques for collection must be supported by a valid bank guarantee card.

ACCOUNT

Accounts may be opened within 4 hours, subject to status, following receipt of a completed account application form. Please contact our Accounts Department direct on **01908 686663** for further details.

PRICES GIVEN ARE IN POUNDS STERLING AND MAY BE SUBJECT TO CHANGE

ALL PRICES ARE SUBJECT TO VAT

Standard Terms and Conditions apply

GOODS COLLECTION

Pre-ordered goods can be collected from our Milton Keynes warehouse facility by arrangement only.



Overseas Delivery Charges

We ship goods into Europe, North and South America, Asia, Middle East, Australia and Africa. We use UPS, FedEx, DHL and Postal Services. Please contact us for specific pricing and options for all overseas shipping.

Visit our growing customer tech knowledge site for more product information, data sheets, videos and advice.

https://www.adhesivedispensing.net/kb_results.asp

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