

# New ADV800 Series Barrel Components

## Radiused End Outlet for Smoother Material Flow



Premier ADV800 series dispensing components are silicone and chloride free and designed to work with industry standard equipment. Dispensing components ensure accuracy, repeatability and productivity. Barrel sizes 3cc, 5cc, 10cc, 30cc and 55cc.

### Syringe Barrels

Unique ultra-low draft construction of inner diameter yields high accuracy and stability. The radiused outlet end reduces back pressure, improves easy flow with less air entrapment. They are comprised of industry compliant silicone and chloride free, low friction polypropylene. Available in two different colours: Natural for most generic applications, amber provides protection of UV/visible light block (up to 520nm), but with the ability to see material inside the barrel. Supplied in bulk packs and packs of 50.

### Syringe Barrel Kits

For your convenience these syringe barrels and white standard wiper pistons are packaged together without pistons inserted. Kits with red flat walled pistons or black rubber pistons are also available. Supplied in bulk packs and packs of 50.

### Air Powered Wiper Pistons

Spread the pressure evenly across, using a piston for consistent dispensing of even high viscosity material. General purpose close interference fit wiper pistons (white) provide a complete seal for all viscosity fluids and pastes. Rubber pistons (black) for dispensing high viscosity materials or braze pastes. Supplied in bulk packs and packs of 50. Made from polyethylene or neoprene (rubber version).

### Snap-On End Cap Seals

Designed to seal large end of the syringe barrel to ensure no contaminants come in contact with material during storage and shipment. Standard blue colour. Made from Polyethylene. Supplied in bulk packs and packs of 50.

### Luer Lock Tip Caps

Designed to seal the syringe barrel tip during storage and shipment. Fits all syringe barrel sizes. Supplied in bulk packs and packs of 50. Made from polypropylene. Available colours of blue, orange, black, white and clear.

### Tri-Seal Stand up Tip Caps

Designed for easy attachment with large flat diameter at the base to allow for the syringe barrel to stand upright on the work bench. Supplied in bulk packs and packs of 50. Made from Polypropylene. Available colours of blue, orange, black, white, green and clear.

### Receiver Adapter Head Assemblies

Adapter head assemblies are the connecting link between time/pressure dispensers and syringe barrel assemblies. These one-piece precision moulded assemblies provide a safe leak free connection for high or low pressure dispensing. Available with 3 or 6 ft. (0.9 - 1.8 meters) of flexible polyurethane air tubing. Consists of the adapter head with EPR O-ring, tubing, safety clamp and male quick connector. Supplied individually. 4mm or 6mm OD tube options.

Adhesive Dispensing Ltd provide a wide range of equipment options for dispensing almost all assembly fluids - from watery liquids, solvents, primers and activators through to thick pastes, sealants, silicones, gels and epoxies.



# Syringe Barrels & Accessories

Adhesive Dispensing Ltd ADV800 series syringe barrel components feature highly accurate processes to combine minimal resistance and ultra consistency over the diameter and length of the syringe barrel. These features make them the first choice for packaging high value fluids and pastes for accurate dot and line dispensing. New style with radiused outlet improving flow.

Syringe barrels are manufactured from premium grade, silicone-free, chloride-free, high density polypropylene. Natural for all non UV materials, amber for UV protection up to 520nm visible light protection. Suitable for pneumatic use on dispensers to 100 psi pressure or for manual applicator guns.

## NEW ADV800 Series Syringe Barrels - Silicone-Free - Chloride Free

Available in high-grade, silicone-free polypropylene for non UV materials, amber for UV protection up to 520nm visible light. All parts are held in stock. Radiused outlet tip design to improve material flow and reduce air entrapment.

Size	Pack Qty.	NaturalAmber	ID	OD	Length	
3cc	50	ADV803BN	ADV803BA	9.58mm	11.56mm	75.18mm
5cc	50	ADV805BN	ADV805BA	12.70mm	14.99mm	71.90mm
10cc	50	ADV810BN	ADV810BA	15.72mm	18.29mm	90.93mm
30cc	50	ADV830BN	ADV830BA	22.63mm	25.15mm	118.36mm
55cc	50	ADV855BN	ADV855BA	22.63mm	25.15mm	175.51mm



## NEW ADV800 Series Air Powered Polyethylene Pistons - Silicone-Free - Chloride Free

Pistons spread pressure evenly across the fluid and trap fluid in the syringe. They reduce fumes. Pistons also prevent tunneling when using higher viscosity fluids. White pistons for use with all viscosity materials. Use the rubber black pistons for a very close tolerance wiper action to prevent leaks.

Size	Pack Qty.	White	Black	OD	Height
3cc	50	ADV803WW	ADV803RP	9.58mm	9.50mm
5cc	50	ADV805WW	ADV805RP	12.70mm	9.50mm
10cc	50	ADV810WW	ADV810RP	15.72mm	10.0mm
30cc/55cc	50	ADV830WW	ADV830RP	22.63mm	16.0mm



## NEW ADV800 Series End Cap and Tip Cap Seals - Silicone-Free - Chloride Free

Blue colour polyethylene end caps seal the neck opening of the barrel when not in use or in storage.

Size	Pack Qty.	End Cap	Tip Cap	Colour
3cc	50	ADV803-EC	AD900-BTC	Blue
5cc	50	ADV805-EC	AD900-BTC	Blue
10cc	50	ADV810-EC	AD900-BTC	Blue
30cc/55cc	50	ADV830-EC	AD900-BTC	Blue



## NEW ADV800 Series Syringe Barrel Adapter Assemblies

Syringe barrel adapter assemblies connect the syringe barrel to a time/pressure dispenser. They provide a convenient, quick connect at the controller and the syringe barrel and are available in two tube lengths with flexible 6mm tube OD.

Size	Pack Qty.	3 ft. Long	6 ft. Long	Colour
3cc	50	AD80303AS	AD80306AS	Black
5cc	50	AD80503AS	AD80506AS	Black
10cc	50	AD81003AS	AD81006AS	Black
30cc/55cc	50	AD83003AS	AD83006AS	Black



Products are supplied in branded packs with labels and batch codes.

Use our manual syringe barrel guns for applying controlled deposits of liquids to thick pastes. For controlled beads with reduced hand fatigue when compared to manual hypodermic syringes. The materials applied include silicone RTVs, sealants, epoxy resin compounds, UV cure glues, anaerobic thread lockers, primers, liquid activators, lubricants, oils, grease, solder pastes, braze pastes, PVA glues and much more. Applied without mess, waste, drips or hand strain.

## Manual Syringe Gun Applicators - Fixed Shot

Hand operated applicator guns for 10cc, 30cc and 55cc size syringe barrels. Moulded bayonet adapter head to accept barrel twist-on/ twist off. Fixed rod 3mm movement. Can be ordered gun only or with kits including syringe barrels, pistons, caps and assorted tips. Suitable for applying glues, gels, pastes, silicone sealants, UV cure, lubricants and more.

Size	Qty.	Red Version	Blue Version	Grey Version	Red With Kit	Grey With Kit
10cc	1	AD910SG	TS710SG	n/a	AD710SG-KIT	n/a
30cc	1	AD930SG	TS730SG	AD830MSG	AD730SG-KIT	AD830MSG-KIT
55cc	1	AD955SG	TS755SG	AD855MSG	AD755SG-KIT	AD855MSG-KIT



## Manual Syringe Gun Applicators - Adjustable Shot

Hand operated applicator guns for 30cc size syringe barrels. Moulded bayonet adapter head to accept barrel twist-on/ twist off. Adjustable rod movement to change deposit size. Can be ordered gun only or with kits including syringe barrels, pistons, caps and assorted tips. Suitable for applying glues, gels, pastes, silicone sealants, UV cure, lubricants and more.

Size	Qty.	Blue Gun	Black Gun	Metal Gun	Blue Gun With Kit	Black Gun With Kit	Metal Gun With Kit
30cc	1	MD30	DG30	MSG30	MD30-KIT	DG30-KIT	MSG30-KIT



## Manual Syringe Plunger Rod Applicators

Hand operated reusable applicator rods for 3cc, 5cc, 10cc and 30cc size syringe barrels. Can be ordered rod only or with kits of clear syringe barrels, pistons, caps and assorted tips. Suitable for applying watery liquids, glues, gels, pastes, light silicones, UV cure, lubricants and more. Black is plastic version that clips the barrel in place. Blue is aluminium.

Size	Qty.	Black Version	Blue Version	Black With Kit	Blue With Kit
10cc	1	AD903HP	ADQHP3	AD903HP-KIT	ADQHP3-KIT
10cc	1	AD905HP	ADQHP5	AD905HP-KIT	ADQHP5-KIT
10cc	1	AD910HP	ADQHP10	AD910HP-KIT	ADQHP10-KIT
30cc	1	AD930HP	ADQHP30	AD930HP-KIT	ADQHP30-KIT



**Syringe gun and plunger rod kits can also be specified supplied with amber or black syringe barrels for use with UV cure adhesives. Please specify barrel colour at time of order.**

## Manual Syringe Micro Dot Applicator - Adjustable

Micro dot manual dispenser for use with 10cc size syringe barrels. This reusable device allows the user to set the shot size. Once the lever is pressed, it delivers a consistent shot. Positive displacement for repeat dots. No power or air required. Available as just the applicator only or with a kit including (50) 10cc barrels, pistons, caps and tips.

Size	Qty.	Part #	Description
10cc	1	HLD-10 Dot Applicator Only	
10cc	1	HLD-10-KIT	Dot Applicator with Kit



# Pneumatic Syringe Applicators

Air-powered dispensers add consistency to the application of liquids and pastes. Ensuring each part receives the same deposit. For making rapid, repeat dots, controlled beads or potting parts. Dispense materials such as solvents, silicone RTVs, sealants, epoxy resin compounds, UV cure glues, anaerobic thread lockers, primers, liquid activators, lubricants, oils, grease, solder pastes, braze pastes, PVA glues and much more. Applied without mess, waste, drips or hand fatigue.

Industrial Dispensing Applicators

## Pneumatic Foot Valve Dispenser - Non Timed

neumatic only non-timed footvalve dispensers for applying beads of sealants, pastes, gels, glues. Vacuum suck-back version to prevent drips. Adjustable 0-100 PSI regulator. Supplied with barrel adapter, barrel, piston, cap and tip starter kit. CE approved. 1 Year Warranty.

Part Code	Qty.	Description
TS924	1	Footvalve - no vacuum
TS924V1		Footvalve - with vacuum



Voltage: None  
Timer: None  
Repeat: Non Timed  
Air Output: 1-100 psi  
Size: 200 x 127 x 127mm  
Weight: 1.82kg

## Pneumatic Analog Dispenser - Timed Shot Entry Level

Benchtop syringe dispenser with adjustable analog 0.1 to 18 second timer and vacuum suck-back. Handles all viscosity liquids and pastes. Adjustable 0-100 PSI regulator & gauge. Good value entry level timed dispenser. CE approved. 1 Year Warranty.

Part Code	Qty.	Description
ADL1001		Dispenser 220V AC



Voltage: 220 VAC  
Timer: 0.01-18 Sec  
Repeat: +/- 0.1%  
Air Output: 1-100 psi  
Size: 235 x 192 x 63mm  
Weight: 1.47kg

## Pneumatic Analog Dispenser - Timed Shot Dual Voltage

Benchtop syringe dispenser with adjustable analog 0.1 to 31 second timer and vacuum suck-back. Handles all viscosity liquids and pastes. Adjustable 0-100 PSI regulator. Useful dual voltage machine can be used globally. With foot switch and finger switch. CE approved. 2 Year Warranty.

Part Code	Qty.	Description
TS9150 1		Dispenser 110V/ 220V AC



Voltage: 110/220 VAC  
Timer: 0.01-31 Sec  
Repeat: +/- 0.1%  
Air Output: 1-100 psi  
Size: 241 x 210 x 70mm  
Weight: 2.10kg

## Pneumatic Analog Dispenser - Timed Shot General

Benchtop syringe dispenser with adjustable analog 0.1 to 1 second timer and vacuum suck-back. Handles all viscosity liquids and pastes. Adjustable 0-100 PSI regulator. Robust dispenser for small dots or materials or controlled beads. With foot switch and finger switch. CE approved. 1 Year Warranty.

Part Code	Qty.	Description
ADL8101		Dispenser 220V AC



Voltage: 220 VAC  
Timer: 0.01-1 Sec  
Repeat: +/- 0.1%  
Air Output: 1-100 psi  
Size: 195 x 216 x 60mm  
Weight: 2.50kg

## Pneumatic Digital Dispenser - Timed Shot Digital

Benchtop syringe dispenser with adjustable digital 0.02 to 60 second timer, vacuum suck-back, shot counter. Handles all viscosity liquids & pastes. 0-100 PSI for general or 0-15 for watery liquids. I/O port for automation. With footswitch. CE approved. 1 Year Warranty. Dual Voltage. Digital display.

Part Code	Qty.	Description
TS250	1	0-100 PSI Dispenser 110V/ 220V AC
TS255	1	0-15 PSI Dispenser 110V/ 220V AC



Voltage: 110/220 VAC  
Timer: 0.02-60 Sec  
Repeat: +/- 0.001%  
Air Output: 1-100/0-15 psi  
Size: 152 x 165 x 178mm  
Weight: 1.20kg

## Pneumatic Digital Dispenser - Timed Shot Digital

Benchtop syringe dispenser with adjustable digital 0.001 to 99 second timer and vacuum suck-back. Handles all viscosity liquids and pastes. Adjustable 0-100 PSI regulator. Bright LED display. Timer teach mode. Includes foot switch and finger switch. CE approved. 2 Year Warranty. Dual Voltage.

Part Code	Qty.	Description
1000T	1	0-100 PSI Dispenser 220V AC



Voltage: 220 VAC  
Timer: 0.001-99.9 Sec  
Repeat: +/- 0.001%  
Air Output: 1-100 psi  
Size: 246 x 145 x 65mm  
Weight: 2.90kg

### Pneumatic Digital Dispenser - Timed Shot Self Cycle

Benchtop syringe dispenser with adjustable digital 0.01 to 99 second timer, vacuum suck-back, shot counter. Teach timer, auto self cycle, multi function display, timer memory. With footswitch. CE approved. 2 Year Warranty. Dual Voltage. Full digital display.

Part Code	Qty.	Description
AD1001	1	Dispenser 110V/220V AC



Voltage: 110/220 VAC  
Timer: 0.01-99.99 Sec  
Repeat: +/- 0.001%  
Air Output: 1-100 psi  
Size: 220 x 210 x 67mm  
Weight: 1.59kg

### Pneumatic Digital Dispenser - Timed Shot Memory

Advanced benchtop syringe dispenser with adjustable digital 0.008 to 60 second timer, vacuum suck-back, shot counter, teach timer with memory storage, shot counter, multi function display, dual air outlets. With footswitch and rear I/O port. CE approved. 2 Year Warranty. Dual Voltage. Full digital display.

Part Code	Qty.	Description
TS350	1	0-100 PSI Dispenser 110V/ 220V AC
TS355	1	0-15 PSI Dispenser 110V/ 220V AC



Voltage: 110/220 VAC  
Timer: 0.008-60 Sec  
Repeat: +/- 0.001%  
Air Output: 1-100/0-15 psi  
Size: 152 x 165 x 178mm  
Weight: 1.20kg

### Digital Auto Dispenser - Rotary

Bench top syringe dispenser to circular products under 150mm diameter. This rotary table applies a circular pattern onto round parts. The tilting Z-axis auto indexes and retracts. Fully adjustable rotation speed, circle diameter & dispense time. Automatic dispensing system to circular components.

Part Code	Qty.	Description
ADL-300	1	Auto Dispenser 220V AC



Voltage: 220 VAC  
RPM: 0-300 RPM  
Vertical Travel: 50.8mm  
Air Output: 1-60 psi  
Size: 315 x 315 x 370mm  
Weight: 7.0kg

### Digital Auto Dispenser - Rotary

Bench top syringe dispenser to circular products under 350mm diameter. This rotary table applies a circular pattern onto round parts. The tilting Z-axis auto indexes and retracts. Fully adjustable rotation speed, circle diameter & dispense time. Program memory, rear I/O, auto repeat cycle mode.

Part Code	Qty.	Description
F1300N1		Auto Dispenser 110/ 220V AC



Voltage: 110/ 220 VAC  
RPM: 0-60 RPM  
Vertical Travel: 100mm  
Air Output: 1-60 psi  
Size: 350 x 433 x 575mm  
Weight: 11.0kg

### 3 Axis Benchtop Dispensing Robots for Automation

Automated dispensers designed to apply rapid dots, exact lines, beads, arcs and circles of glues, solvents, adhesives, gels, resin and sealants. Easy to program for direct material dispensing from syringe barrels. Dual voltage. Size options and Smart options. Basic robots supplied ready to use. Smart options add PC software, height sensor, vision sensor and touch screen. CE approved.

Size	Part	Description
200mm	TSR2201	200 x 200 x 100mm
300mm	TSR2201	300 x 300 x 100mm
400mm	TSR2201	400 x 400 x 100mm

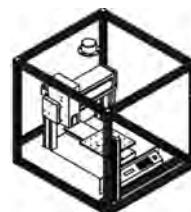
Software Kit Only	Software With & Height Sensor	Software With Vision Kit	Software, Touch Screen & Height Sensor Kit	Software, Touch Screen Vision Kit	Software, Touch Screen Vision, Height Sensor
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TSR-SKIT	TSR-SHKIT	TSR-SVKIT	TSR-STHKIT	TSR-STVKIT	TSR-STVHKIT
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### Robot Safety Covers with Light Beam

Aluminium and Perspex constructed covers for each robot size in this range. Open to front with light beam that stops the robot when broken.

200mm	300mm	400mm
TSR2200-SC	TSR2300-SC	TSR2400-SC



Voltage: 100/240 VAC  
Index Speed: 0-600mm/sec  
Repeat: +/- 0.02%  
Resolution: 0.01%  
Air Output: 1-100 psi

## 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](http://adhesivedispensers.co.uk)

4

BY EMAIL:  
[orders@adhesivedispensers.co.uk](mailto: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.



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## 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](https://www.adhesivedispensing.net/kb_results.asp)

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