



**Adhesive Dispensing Ltd**  
Solutions customers stick with...

## 20 Ounce Size Cartridge Sealant Dispensing Guns



Dispensing Solutions for Sealants,  
Silicones, RTVs, Gels, Compounds, Resins & more  
[adhesivedispensers.co.uk](http://adhesivedispensers.co.uk)



**Adhesive Dispensing Ltd**  
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Pneumatic, Manual, Battery



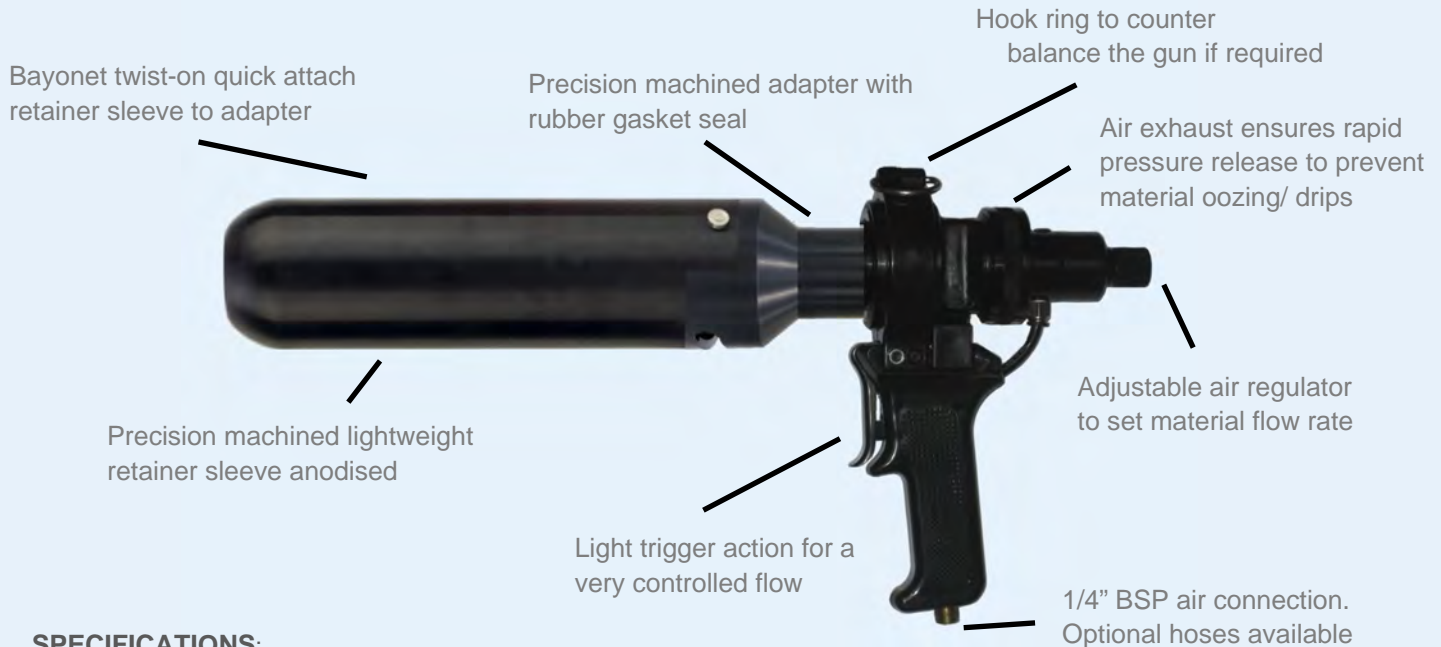


# Pneumatic Version

## Model AD110-20 Pneumatic Dispensing Gun

### For 20oz Cartridges, Techkits and Semkits

CE approved, 1 Year Warranty



#### SPECIFICATIONS:

- Maximum Thrust: 2.5kN
- Barrel Length: 383.2mm
- Pressure: To 100 PSI
- Air Inlet: 1/4" BSP Male Thread
- Gun Colour: Black
- Tool Weight: 2.2kg
- Barrel Material: Anodised Aluminium
- Handle Material: Base Moulding, (PC), (ABS)
- Approval: CE, REACH, RoHS

#### APPLICATIONS:

- For low, medium, high viscosity sealants, silicones, pastes
- Cartridge: Component type, Techkits, Semkits
- Cartridge Size: 20 Ounce (591ml/cc)

#### Description

The Model AD110-20 is an air powered dispensing gun for the controlled application of sealants, adhesives, potting compounds, and other materials packaged in Techcon, Semco cartridges or in TECHKIT and SEMKIT packages. The device is designed for use in the aerospace, automotive and electronics industries and offers the user a low maintenance, reliable and proven method of material dispensing. Each applicator comes with a 20oz. threaded metal retainer, a 20oz. metal adapter, user guide.

#### Recommendations

The Model AD110-20 dispensing gun is designed to be used with materials packaged into Techcon and Semco cartridges of any viscosity, low to high. Additional sized retainers for this model can be purchased separately in cartridge size options of 2.5oz., 6oz., 8oz, 10oz. and 12oz.

#### Accessories

Adhesive Dispensing Ltd supply precision moulded cartridges, plungers, nozzles, luer lock tip adapters, and an extensive range of luer lock precision tips. When accessories are used with the Model AD110-20 dispensing gun, the exact amount of material is applied in the right location. This reduces material mess and costly waste. It saves costly time spent applying materials with less industrial grade applicators and the use of air power reduces operator hand fatigue making the whole process safer.

#### Features

- Light-weight (less than 2.2kg)
- Ergonomic design - giving the operator correct weight balance
- High power - handles high viscosity pastes and sealants
- Low maintenance design - simple rubber O-ring gasket seal
- Adjustable air-regulator on handle to set correct flow rate
- Hook ring on trigger top allows gun to be balanced with a counter sink
- Very easy to use and reliable results



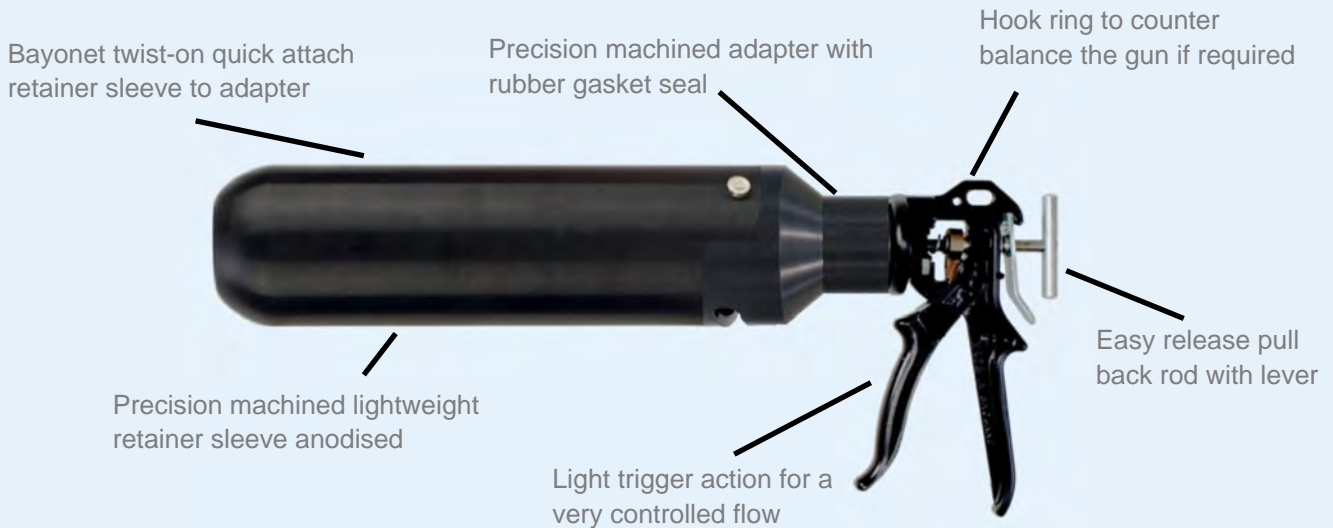


# Manual Version

## Model AD16-20 Manual Dispensing Gun

### For 20oz Cartridges, Techkits and Semkits

CE approved, 1 Year Warranty



#### SPECIFICATIONS:

- Trigger Ratio: 18:1
- Maximum Thrust: 2.5kN
- Barrel Length: 383.2mm
- Gun Colour: Black
- Tool Weight: 1.9kg
- Barrel Material: Anodised Aluminium
- Handle Material: Coated Steel
- Approval: CE, REACH, RoHS

#### APPLICATIONS:

- For low to medium viscosity sealants, silicones, pastes
- Cartridge: Component type, Techkits, Semkits
- Cartridge Size: 20 Ounce (591ml/cc)

#### Description

The Model AD16-20 is a manual operated dispensing applicator gun for the controlled application of sealants, adhesives, potting compounds, and other materials packaged in Techcon, Semco cartridges or in TECHKIT and SEMKIT packages. The device is designed for use in the aerospace, automotive and electronics industries and offers the user a low maintenance, reliable and proven method of material dispensing. Each applicator comes with a UK made trigger, a 20oz. threaded metal retainer, a 20oz. metal adapter, user guide.

#### Recommendations

The Model AD16-20 dispensing gun is designed to be used with materials packaged into Techcon and Semco cartridges of a low to medium viscosity. Additional sized retainers for this model can be purchased separately in cartridge size options of 2.5oz., 6oz., 8oz, 10oz. and 12oz. This gun is portable and allows for use anywhere.

#### Accessories

Adhesive Dispensing Ltd supply precision moulded cartridges, plungers, nozzles, luer lock tip adapters, and an extensive range of luer lock precision tips. When accessories are used with the Model AD16-20 dispensing gun, a controlled amount of material is applied in the right location. This reduces material mess and waste. It saves costly time spent applying sealants with lower grade applicators and the high ratio 18:1 trigger mechanism reduces operator hand fatigue making the whole process safer.

#### Features

- Light-weight (less than 2kg)
- Ergonomic design - giving the operator correct weight balance
- High power - handles low to medium viscosity pastes and sealants
- Low maintenance design - simple rubber O-ring gasket seal
- Easy rod retraction lever when cartridge is empty
- Hook ring on trigger top allows gun to be balanced with a counter sink
- Very easy to use and reliable results





# Battery Version

## Model ADV-20B 10.8v Dispensing Gun

### For 20oz Cartridges, Techkits and Semkits

CE approved, 1 Year Warranty



#### SPECIFICATIONS:

- Battery Power: 10.8v
- Maximum Thrust: 2.5kN
- Maximum Run Speed: 9mm/second
- Charge Time: 30 minutes to 100%
- Barrel Length: 383.2mm
- Gun Colour: Black
- Tool Weight: 1.95kg
- Barrel Material: Anodised Aluminium
- Handle Material: Coated Steel
- Approval: CE, REACH, RoHS

*“Hard moulded carry case is an optional extra. Guns are supplied in sealed boxes as a standard. All guns supplied with (2) batteries and charger”.*

#### APPLICATIONS:

- For low to medium viscosity sealants, silicones, pastes
- Cartridge: Component type, Techkits, Semkits
- Cartridge Size: 20 Ounce (591ml/cc)

#### Description

The Model ADV-20B is a cordless, rechargeable battery dispensing gun for the application of sealants, adhesives, potting compounds, and other materials packaged in Techcon, Semco cartridges or in TECHKIT and SEMKIT packages. The device is designed for use in the aerospace, automotive and electronics industries and offers the user a low maintenance, reliable and proven method of material dispensing. Each applicator comes with a spare battery, charger, a 20oz. threaded metal retainer, a 20oz. metal adapter, user guide.

#### Recommendations

The Model ADV-20B dispensing gun is designed to be used with materials packaged into Techcon and Semco cartridges of a low to medium viscosity. Additional sized retainers for this model can be purchased separately in cartridge size options of 310ml (10oz), 400ml and 600ml. This gun is portable and allows for use anywhere.

#### Accessories

Adhesive Dispensing Ltd supply precision moulded cartridges, plungers, nozzles, luer lock tip adapters, and an extensive range of luer lock precision tips. When accessories are used with the Model ADV-20B dispensing gun, a controlled amount of material is applied in the right location. This reduces material mess and waste. It saves costly time spent applying sealants with lower grade applicators and the rod driven electric mechanism reduces operator hand fatigue making the whole process safer.

#### Features

- Light-weight (less than 2kg)
- Ergonomic design - giving the operator correct weight balance
- High power - handles low to medium viscosity pastes and sealants
- Low maintenance design - simple rubber O-ring gasket seal
- Easy rod retraction lever when cartridge is empty
- Hook ring on trigger top allows gun to be balanced with a counter sink
- Adjustable speed dial



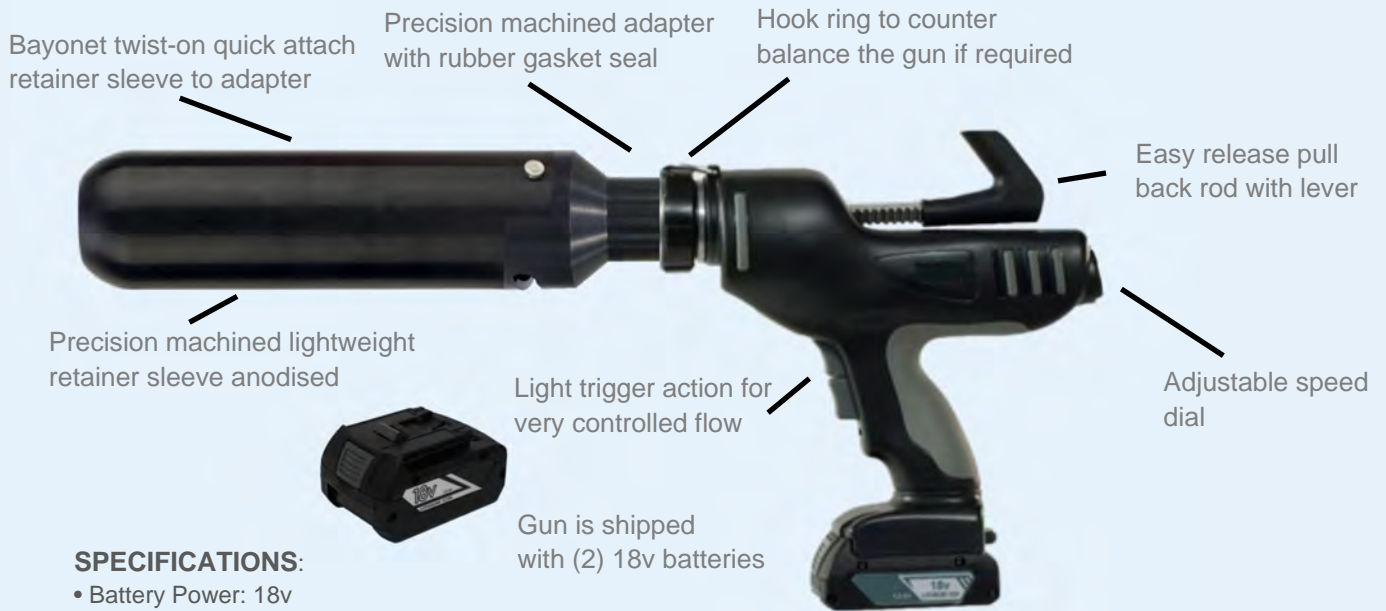


# Battery Version

## Model ADV-20BH 18v Dispensing Gun

### For 20oz Cartridges, Techkits and Semkits

CE approved, 1 Year Warranty



#### SPECIFICATIONS:

- Battery Power: 18v
- Maximum Thrust: 3.5kN
- Maximum Run Speed: 8mm/second
- Charge Time: 35 minutes to 100%
- Barrel Length: 383.2mm
- Gun Colour: Black
- Tool Weight: 2.75kg
- Barrel Material: Anodised Aluminium
- Handle Material: Coated Steel
- Approval: CE, REACH, RoHS

#### APPLICATIONS:

- For medium to high viscosity sealants, silicones, pastes
- Cartridge: Component type, Techkits, Semkits
- Cartridge Size: 20 Ounce (591ml/cc)

*“Hard moulded carry case is an optional extra. Guns are supplied in sealed boxes as a standard. All guns supplied with (2) batteries and charger”.*

#### Description

The Model ADV-20BH is a cordless, rechargeable battery dispensing gun for the application of sealants, adhesives, potting compounds, and other materials packaged in Techcon, Semco cartridges or in TECHKIT and SEMKIT packages. The device is designed for use in the aerospace, automotive and electronics industries and offers the user a low maintenance, reliable and proven method of material dispensing. Each applicator comes with a spare battery, charger, a 20oz. threaded metal retainer, a 20oz. metal adapter, user guide. Supplied with (2) 18v (1.5 Ahr) batteries. Optional longer life 3.0 Ahr batteries available.

#### Recommendations

The Model ADV-20BH dispensing gun is designed to be used with materials packaged into Techcon and Semco cartridges of a medium to high viscosity. Additional sized retainers for this model can be purchased separately in cartridge size options of 310ml (10oz), 400ml and 600ml. This gun is portable and allows for use anywhere. This version is high power for heavier materials.

#### Accessories

Adhesive Dispensing Ltd supply precision moulded cartridges, plungers, nozzles, luer lock tip adapters, and an extensive range of luer lock precision tips. When accessories are used with the Model ADV-20BH dispensing gun, a controlled amount of material is applied in the right location. This reduces material mess and waste. It saves costly time spent applying sealants with lower grade applicators and the rod driven electric mechanism reduces operator hand fatigue making the whole process safer.

#### Features

- Light-weight (less than 3kg)
- Ergonomic design - giving the operator correct weight balance
- Very High power - handles medium to high viscosity pastes and sealants
- Low maintenance design - simple rubber O-ring gasket seal
- Easy rod retraction lever when cartridge is empty
- Hook ring on trigger top allows gun to be balanced with a counter sink
- Adjustable speed dial





# Components

## Cartridges, Plungers, Caps

### 20 oz. size compatible parts

Supplied in sealed packs with labels and batch codes



Disposable dispensing cartridges are also available in 2.5, 6, 8, 10, 12, 20 and 32 oz. (approximate metric value 75cc, 177cc, 237cc, 310cc, 355cc, 591cc, 960cc). Available in the high-density natural polyethylene (HDPE) which is more rigid material and also low density polyethylene (LDPE) which is a softer grade material. Other colours are available.

Options to order in pack sizes of 10, 50, 100 or 250 pieces.



### Cartridge Tip Caps & End Flange Caps

Cartridges all feature a 1/4" NPT (6mm) female thread dispensing orifice and can be sealed using red or blue tip cap. These allow a leak free seal for cartridge filling and shipping. Red end flange caps push over the top lip of the cartridge to seal. All parts are made from polyethylene.

Supplied in packs of 10, 50, 500 or 1000 pieces.

#### Tip Caps

Part ID: TS3P  
Colour: Red  
Part ID: AD6P  
Colour: Red  
Part ID: AD6PB  
Colour: Blue

#### End Flange Caps

Part ID: TS6C  
Colour: Red

Cartridge reservoirs in high density polyethylene (HDPE) with wiper plungers in a kit. Use standard natural colour or black opaque colour for UV cure. And low density LDPE natural wiper plungers or HDPE version. Cartridges are suitable for dispensing most materials including solvent based fluids, sealants, pastes, adhesives. For use in 20oz cartridge guns or cartridge retainers.

Cartridges all feature a 1/4" NPT (6mm) female thread dispensing orifice for secure attachment of nozzles or 1/4" threaded fittings. Pack includes (10) of each part.

#### Part ID: TS20CKIT-LD

Cartridge Material: High Density Polyethylene (HDPE)  
Cartridge Colour: Natural  
Plunger Material: Low Density Polyethylene (LDPE)  
Plunger Colour: Natural

#### Part ID: TS20CKIT

Cartridge Material: High Density Polyethylene (HDPE)  
Cartridge Colour: Natural  
Plunger Material: High Density Polyethylene (HDPE)  
Plunger Colour: White

#### Part ID: TS20CKIT-LD-BLACK

Cartridge Material: High Density Polyethylene (HDPE)  
Cartridge Colour: Black (Opaque)  
Plunger Material: Low Density Polyethylene (LDPE)  
Plunger Colour: Natural

#### Part ID: TS20CKIT-BLACK

Cartridge Material: High Density Polyethylene (HDPE)  
Cartridge Colour: Black  
Plunger Material: High Density Polyethylene (HDPE)  
Plunger Colour: White

Cartridge Capacity: 20oz (591cc or 591ml)  
Length: 9.82" (249.43mm)  
Outer Diameter: 2.67" (67.80mm)  
Inner Diameter: 2.57" (65.30mm)  
Thread Nozzle Outlet: 1/4" NPT  
Maximum Pressure: 100 PSI  
Details: Industrial Grade Safe, Silicone Free



### Luer Lock Tip Adapter Fittings

Supplied in sealed packs (1) part.

Tip adapters convert the outlet of all cartridges allowing the use of all luer lock precision tips and fittings. Thread size of 1/4" NPT. Available in polypropylene or metal.

#### Part ID: TSD931-7

Material: Polypro  
Thread: 1/4" NPT Male  
Hole Outlet: 4mm  
Colour: White  
Outlet: Male Luer Lock  
Max. Pressure: 100 PSI

#### Part ID: TSD931-7M

Material: Nickel Brass  
Thread: 1/4" NPT Male  
Hole Outlet: 4mm  
Colour: Silver  
Outlet: Male Luer Lock  
Max Pressure: 100 PSI



# Components

## Nozzles

### Threaded 1/4 Inch NPT

Supplied in sealed packs with labels and batch codes



Industrial grade nozzles for use with all dispensing cartridges. Nozzles feature a 1/4" NPT industry thread for a secure leak free attachment to cartridges. Made from silicone-free safe plastics. Use nozzles for applying most glues, adhesives, pastes, gels, greases, silicones, sealants, epoxies and other assembly fluids.

Supplied in sealed packs of 10, 500 or 1000 pieces.

### Dispense Nozzles

#### 2.5"/63.5mm length Orifice



<b>TS216</b>	0.063"/1.6mm
<b>TS218</b>	0.125"/3.18mm
<b>TS218-LD</b>	0.125"/3.18mm

#### 4"/101.6mm length



<b>TS416</b>	0.063"/1.6mm
<b>TS416-LD</b>	0.063"/1.6mm
<b>TS418</b>	0.125"/3.18mm
<b>TS432</b>	0.031"/0.79mm
<b>TS432-LD</b>	0.031"/0.79mm
<b>TS490</b>	0.094"/2.39mm

#### 6" length/152.4mm



<b>TS616</b>	0.063"/1.6mm
<b>TS618</b>	0.125"/3.18mm

### Specialty



**TS1050**

**A** 0.06"/1.52mm  
**B** 0.5"/12.7mm



**TS1050-45**

**A** 0.06"/1.52mm  
**B** 0.5"/12.7mm



**TS1075**

**A** 0.13"/3.30mm  
**B** 0.75"/19.05mm



**TS1100**

**A** 0.13"/3.30mm  
**B** 1"/25.4mm



**TS1175**

**A** 0.13"/3.30mm  
**B** 1.75"/44.45mm



**TS3106**

**A** 0.11"/2.79mm  
**B** 0.35"/8.89mm  
**C** 0.06"/1.52mm



**TS3206**

**A** 0.11"/2.79mm  
**B** 0.35"/8.89mm  
**C** 0.06"/1.52mm

### Metal Nozzles

Supplied in sealed packs with labels and batch codes



Precision machined metal nozzles with a 1/4" thread for use with all cartridges. Choice of blunt need gauge size. All are 1.5" long tubes. Supplied (each). Nickel brass hub to stainless steel cannula.

#### Part Code

#### Description

AD7SS-1.5	7G, ID: 3.81mm, OD: 4.45mm
AD8SS-1.5	8G, ID: 3.28mm, OD: 4.04mm
AD10SS-1.5	10G, ID: 2.69mm, OD: 3.40mm
AD12SS-1.5	12G, ID: 2.18mm, OD: 2.77mm
AD14SS-1.5	14G, ID: 1.64mm, OD: 2.10mm
AD16SS-1.5	16G, ID: 1.20mm, OD: 1.65mm

*"We build these metal nozzles to order. 1.5" long tubes are held in stock but any custom length tube can be made".*

### Adhesive Dispensing Limited

55 Alston Drive, Bradwell Abbey  
Milton Keynes, Bucks, MK13 9HB, UK  
Tel. +44 (0) 1908 686660  
adhesivedispensing.co.uk  
info@adhesivedispensing.co.uk

