



Adhesive Dispensing Ltd

Solutions customers stick with...

Model AD110-20

Air Powered Dispensing Gun



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 used 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 low to medium viscosity. Additional sized metal 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 waste. It saves costly time spent applying materials with manual applicators and the air power reduces operator hand fatigue making the whole process safer.

Features

- Light-weight
- Ergonomic design - giving the operator correct weight balance
- High power - handles most viscosity pastes and sealants
- Low maintenance design - simple rubber O-ring seal
- Adjustable air-regulator on handle to set material flow rates
- Hook ring on trigger top allows gun to be balanced with a counter sink
- Very easy to use and reliable performance
- UK assembled product

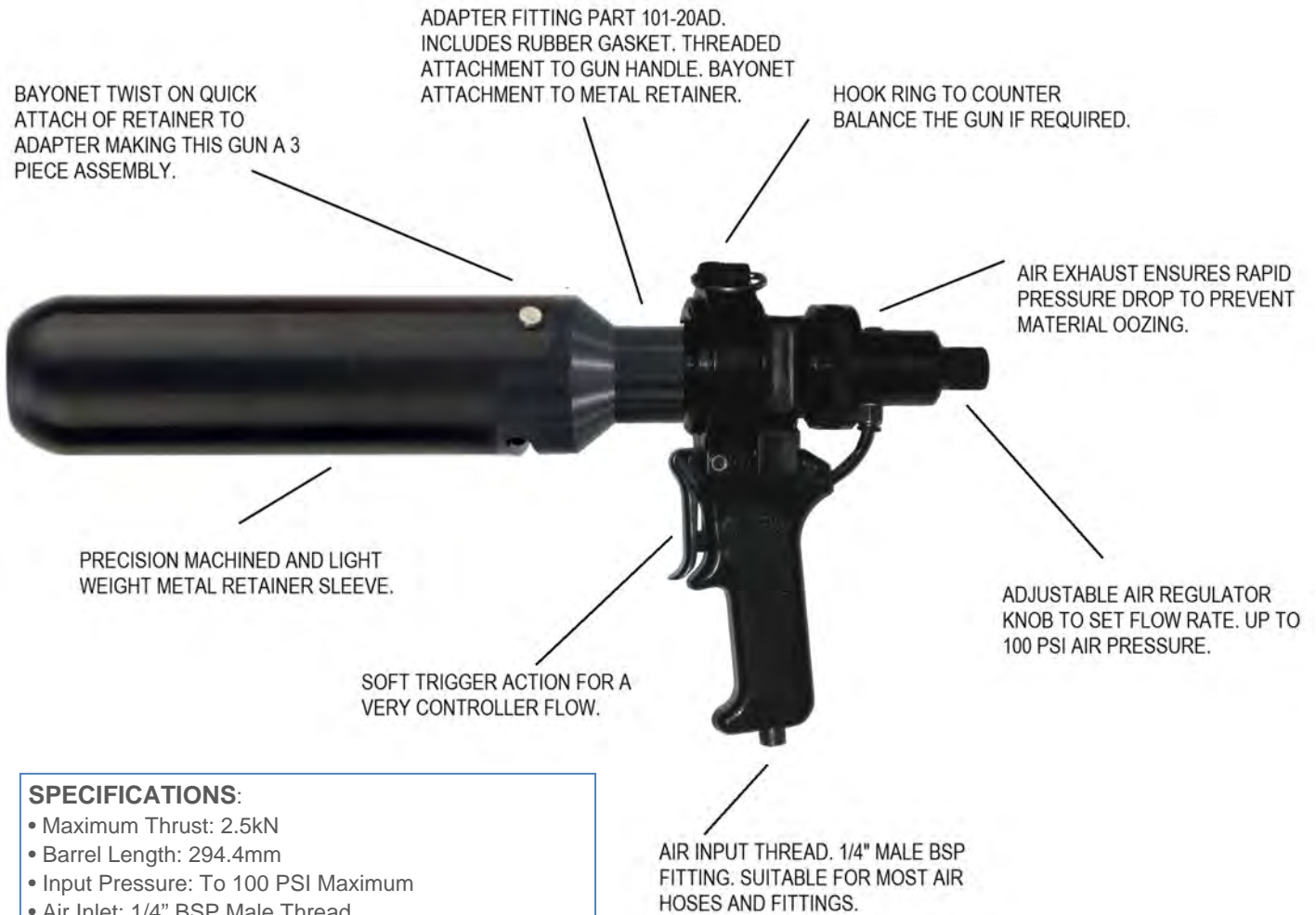
Dispensing Solutions for Sealants,
Silicones, RTVs, Gels, Compounds, Resins & more

<https://www.adhesivedispensers.co.uk>

Model AD110-20 Pneumatic Dispensing Gun

For 20oz Cartridges, Techkits and Semkits

For Sealants, Pastes, Gels



SPECIFICATIONS:

- Maximum Thrust: 2.5kN
- Barrel Length: 294.4mm
- Input Pressure: To 100 PSI Maximum
- Air Inlet: 1/4" BSP Male Thread
- Gun Colour: Black
- Tool Weight: 1.95kg
- Barrel Material: Anodised Aluminium
- Handle Material: Base Moulding, (PC), (ABS)
- CE, REACH, RoHS
- Commodity Code: 90289090
- Brand: Adhesive Dispensing Ltd
- Origin: United Kingdom
- Warranty: 1 Year

APPLICATIONS:

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

MAINTENANCE:

Retainer Sleeve to Adapter Fitting Black Rubber Gasket.
Part Code 101-20G
Adapter Fitting to Trigger Assembly Black Rubber Gasket.
Part Code AD100-G

Set mains air pressure to 100 psi. Regulator air flow on trigger.
Optional air hoses available in a range of lengths & air connectors.
Ensure the applicator gun is fully assembled before use.



Optional Retainers

For use with different size cartridges, Semkit and Techkit dual component cartridges.

- 2.5 Ounce Retainer - Part Code AD25-R
- 6 Ounce Retainer - Part Code AD60-R
- 8 Ounce Retainer - Part Code AD80-R
- 10 Ounce Retainer - Part Code AD110-R
- 12 Ounce Retainer - Part Code AD120-R
- 20 Ounce Retainer - Part Code AD101-20R
- 20 Ounce Adapter - Part Code AD101-20A

Industrial Cartridge and Plunger Kits

20 oz. Size Parts for use with AD110-20 gun

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



"Tip caps and end caps are fully reusable".

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: Polypropylene
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









Industrial Cartridge Nozzles

Cartridge Nozzles

Supplied in sealed packs with labels and batch codes












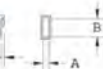


Industrial grade nozzles for use with all dispensing cartridges. Nozzles feature a 1/4" NPT industry thread for a secure leak free attachment to cartridges. Made from silicone-free safe plastics. Use nozzles for applying most glues, adhesives, pastes, gels, greases, silicones, sealants, epoxies and other assembly fluids. Supplied in sealed packs of 10, 500 or 1000 pieces.

Dispense Nozzles

		2.5"/63.5mm length Orifice	
		TS216	0.063"/1.6mm
		TS218	0.125"/3.18mm
		TS218-LD	0.125"/3.18mm
		4"/101.6mm length	
		TS416	0.063"/1.6mm
		TS416-LD	0.063"/1.6mm
		TS418	0.125"/3.18mm
		TS432	0.031"/0.79mm
		TS432-LD	0.031"/0.79mm
		TS490	0.094"/2.39mm
		6" length/152.4mm	
		TS616	0.063"/1.6mm
		TS618	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".



Dispensing Components

Precision General Purpose Dispensing Tips

Supplied in sealed boxes of (50) tips



"We also hold in stock tube lengths of 0.25", 0.50", 1.0", 1.5" and 2.0".

Part Code	Description
AD712050	12GA, Blue, 2.26mm ID, 2.77mm OD
AD713050	13GA, Red, 1.78mm ID, 2.54mm OD
AD714050	14GA, Olive, 1.55mm ID, 1.83mm OD
AD715050	15GA, Amber, 1.37mm ID, 1.65mm OD
AD716050	16GA, Grey, 1.19mm ID, 1.45mm OD
AD717050	17GA, Yellow, 1.04mm ID, 1.40mm OD
AD718050	18GA, Green, 0.84mm ID, 1.27mm OD
AD720050	20GA, Pink, 0.61mm ID, 0.91mm OD
AD721050	21GA, Purple, 0.51mm ID, 0.81mm OD
AD722050	22GA, Blue, 0.41mm ID, 0.71mm OD
AD723050	23GA, Orange, 0.33mm ID, 0.64mm OD
AD725050	25GA, Red, 0.25mm ID, 0.51mm OD
AD726050	26GA, Peach, 0.24mm ID, 0.45mm OD
AD727050	27GA, Clear, 0.20mm ID, 0.41mm OD
AD730050	30GA, Lavender, 0.15mm ID, 0.30mm OD
AD732050	32GA, Yellow, 0.10mm ID, 0.23mm OD
AD734050	34GA, Lime, 0.08mm ID, 0.21mm OD

The TE and AD needle series consist of a stainless-steel shaft with a double helix luer polypropylene hub. This premier line of dispensing needles is burr-free, and electro-polished shaft for unobstructed and consistent material flow. In addition these tips are silicone and chloride free. Details listed here are for our standard 0.5" Long (12.7mm). Also available in tube lengths of 0.25", 1.0", 1.5" and 2.0" or custom made lengths on request.

Smooth Flow Tapered Dispensing Tips

Supplied in sealed boxes of (50) tips



"The design of these tips reduces back pressure when dispensing very thick pastes".

Part Code	Description
8001217	10GA, Lime, 3.0mm ID
8001218	11GA, Yellow, 2.5mm
8001219	13GA, Blue, 2.0mm
AD14TT	14GA, Olive, 1.55mm ID
AD16TT	16GA, Grey, 1.19mm ID
AD18TT	18GA, Green, 0.84mm ID
AD20TT	20GA, Pink, 0.61mm ID
AD22TT	22GA, Blue, 0.41mm ID
AD25TT	25GA, Red, 0.25mm ID
AD27TT	27GA, Clear, 0.20mm ID
TN27E	27GA, Orange, 0.20mm ID
AD30TT	30GA, Lavender, 0.10mm ID

Tapered tips are typically used with gels because the smooth flow design allows materials to travel with less restriction. All tips are burr-free and provide high levels of consistency from tip to tip. Made from polyethylene with colour coded and UV protected features.

Aluminium Hub Dispensing Tips

Supplied in sealed boxes of (50) tips



"Another useful tip for aggressive solvents are our TSS all-metal types - on our website".

Part Code	Description
TS14-1/2MPK	14GA, 1.55mm ID, 1.82mm OD, 0.5" Long
TS14-1MPK	14GA, 1.55mm ID, 1.82mm OD, 1.0" Long
TS14-2MPK	14GA, 1.55mm ID, 1.82mm OD, 2.0" Long
TS15-1/2MPK	15GA, 1.37mm ID, 1.69mm OD, 0.5" Long
TS15-1MPK	15GA, 1.37mm ID, 1.69mm OD, 1.0" Long
TS15-15MPK	15GA, 1.37mm ID, 1.69mm OD, 1.5" Long
TS16-1MPK	16GA, 1.19mm ID, 1.45mm OD, 1.0" Long
TS18-1/2MPK	18GA, 0.84mm ID, 1.27mm OD, 0.5" Long
TS20-1/2MPK	20GA, 0.71mm ID, 1.14mm OD, 0.5" Long
TS22-1/2MPK	22GA, 0.41mm ID, 0.71mm OD, 0.5" Long

Aluminium hub tips improve the application of aggressive fluids and solvents. The soldered aluminium hub and stainless steel shaft will withstand the chemicals.

Dispensing Accessories

Precision Crimped Hub Dispensing Tips

Supplied in sealed boxes of (50) tips



"These tips have an aluminium sleeve that is crimped to the luer lock polypro hub making them useful for solvent glues".

Part Code	Description
TES14-1/2	14GA, Olive, 1.60mm ID, 1.83mm OD, 0.5" Long
TES14-1	14GA, Olive, 1.60mm ID, 1.83mm OD, 1.0" Long
TES15-1/2	15GA, Grey, 1.37mm ID, 1.65mm OD, 0.5" Long
TES15-1	15GA, Grey, 1.37mm ID, 1.65mm OD, 1.0" Long
TS18-1/2	18GA, Pink, 0.84mm ID, 1.27mm OD, 0.5" Long
TS18-1	18GA, Pink, 0.84mm ID, 1.27mm OD, 1.0" Long
TS19-1/2	19GA, Brown, 0.71mm ID, 1.14mm OD, 0.5" Long
TS19-1	19GA, Brown, 0.71mm ID, 1.14mm OD, 1.0" Long
TS20-1/2	20GA, Yellow, 0.70mm ID, 0.91mm, OD, 0.5" Long
TS20-1	20GA, Yellow, 0.70mm ID, 0.91mm, OD, 1.0" Long
TS21-1/2	21GA, Green, 0.51mm ID, 0.81mm OD, 0.5" Long
TS21-1	21GA, Green, 0.51mm ID, 0.81mm OD, 1.0" Long
TS22-1/2	22GA, Black, 0.41mm ID, 0.71mm OD, 0.5" Long
TS22-1	22GA, Black, 0.41mm ID, 0.71mm OD, 1.0" Long
TS23-1/4	23GA, Blue, 0.33mm ID, 0.64mm OD, 0.25" Long
TS23-1/2	23GA, Blue, 0.33mm ID, 0.64mm OD, 0.5" Long
TS23-1	23GA, Blue, 0.33mm ID, 0.64mm OD, 1.0" Long
TES25-1/2	25GA, Red, 0.25mm ID, 0.51mm OD, 0.5" Long
TES25-1	25GA, Red, 0.25mm ID, 0.51mm OD, 1.0" Long
TS26-1/2	26GA, Beige, 0.24mm ID, 0.50mm OD, 0.5" Long
TS26-1	26GA, Beige, 0.24mm ID, 0.50mm OD, 1.0" Long
TS27-1/2	27GA, Grey, 0.23mm ID, 0.41mm OD, 0.25" Long
TES27-1/2	27GA, Clear, 0.21mm ID, 0.41mm OD, 0.5" Long
TES27-1	27GA, Clear, 0.21mm ID, 0.41mm OD, 1.0" Long

TS crimped hub tips work well with solvent based glues and sealants. They have an aluminium sleeve crimp to hold the stainless steel tube to the luer lock polypro hub.

Brush Bristle Dispensing Tips

Supplied in sealed boxes of (10) tips



Part Code	Description
BT14-SOFT	14GA, Olive, 1.60mm ID, 7mm Wide, White Brush
BT14-STIFF	14GA, Olive, 1.60mm ID, 7mm Wide, Yellow Brush
BT16-SOFT	16GA, Grey, 1.22mm ID, 7mm Wide, White Brush
BT16-STIFF	16GA, Grey, 1.22mm ID, 7mm Wide, Yellow Brush
BT18-SOFT	18GA, Green, 0.84mm ID, 7mm Wide, White Brush
BT18-STIFF	18GA, Green, 0.84mm ID, 7mm Wide, Yellow Brush
BT20-SOFT	20GA, Pink, 0.60mm ID, 7mm Wide, White Brush
BT20-STIFF	20GA, Pink, 0.60mm ID, 7mm Wide, Yellow Brush
BT21-SOFT	21GA, Purple, 0.51mm ID, 7mm Wide, White Brush
BT21-STIFF	21GA, Purple, 0.51mm ID, 7mm Wide, Yellow Brush
BT22-SOFT	22GA, Blue, 0.41mm ID, 7mm Wide, White Brush
BT22-STIFF	22GA, Blue, 0.41mm ID, 7mm Wide, Yellow Brush
BT23-SOFT	23GA, Orange, 0.33mm ID, 7mm Wide, White Brush
BT23-STIFF	22GA, Orange, 0.33mm ID, 7mm Wide, Yellow Brush
BT25-SOFT	25GA, Red, 0.25mm ID, 7mm Wide, White Brush
BT25-STIFF	25GA, Red, 0.25mm ID, 7mm Wide, Yellow Brush
BT27-SOFT	27GA, Clear, 0.25mm ID, 7mm Wide, White Brush
BT27-STIFF	27GA, Clear, 0.25mm ID, 7mm Wide, Yellow Brush
BT30-SOFT	30GA, Lavender, 0.15mm ID, 7mm Wide, White Brush
BT30-STIFF	30GA, Lavender, 0.21mm ID, 7mm Wide, Yellow Brush
BT32-SOFT	32GA, Yellow, 0.10mm ID, 7mm Wide, White Brush
BT32-STIFF	30GA, Yellow, 0.10mm ID, 7mm Wide, Yellow Brush

Use these double helix brush tips for spread applications such as glues, grease, solvents, primers, activators, solvents, conformal coatings and many other materials. Brush is made of nylon for stiff hard bristle and sable for soft bristle. Supplied in different pack sizes for convenience. Listed are standard width tips. We hold in stock hundreds of variations for bristle width from 2mm to 14mm wide. Standard tip lengths of 38.1mm.

Industrial Silicone Free Available
Grade Safe Components from stock

"Our dispensing tips can also be ordered in bulk packs of 500 or 1000 direct from stock".

