

Industrial Dispensing Barrel & Piston Kit

For use with pneumatic dispensers, manual syringe guns and plunger rods

AD910-NW 10cc Barrel & Piston

Technical Information

Natural Clear Dispensing Barrel with White Wiper Piston

Premium series components are dispensing syringe barrels and wiper pistons that are designed for use with industry standard fluid dispensing equipment such as manual plungers, manual syringe guns or when used on a pneumatic dispenser.

The barrels are made from low friction high-density polypropylene to ensure stability, accuracy, repeatability and productivity. Our barrels feature a double-helix luer lock system for secure leak free dispense tip attachment.

Our components are supplied in sealed packs with labels and batch codes for full traceability. This syringe barrel is a natural clear colour barrel for material visibility and is supplied with a dual blade white wiper piston suitable for dispensing most liquids, gels and pastes.

Wiper pistons provide a consistent force on the material being dispensed to avoid air pockets, reduce material fumes and eliminate costly waste. Pistons are easy to insert into the barrel allowing air to escape as the move the material down to the dispense tip.

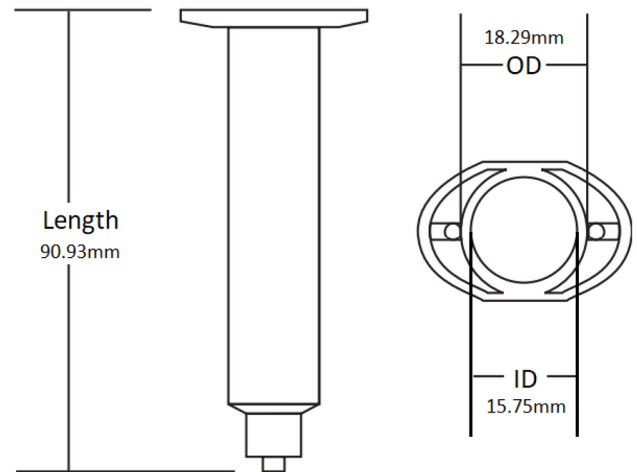
The maximum operating pressure for these components is 100 psi (6.9bar).

This set is supplied as separate barrels and pistons in the same box. Select from either packs of (50) barrels with (50) pistons, (500) barrels with (500) pistons or (1000) barrels with (1000) pistons.

These precision syringe barrels and components are designed to meet the most demanding manufacturing standards. Leading edge materials and advanced engineering design make ADL plastics unparalleled in dispensing performance.

Specifications

Barrel Material:	Polypropylene (HDPP)
Barrel Capacity:	10cc (10ml)
Barrel Colour:	Natural (Clear)
Barrel Length:	3.58" - 90.93mm
Barrel Outer Diameter:	0.72" - 18.29mm
Barrel Inner Diameter:	0.62" - 15.75mm
Maximum Pressure:	100 PSI
Outlet Connection:	Luer Lock
Piston Material:	Polyethylene (LDPE)
Piston Colour:	White
Shelf Life:	2 Years
Commodity Tariff Code:	39269097
Pack Sizes:	50, 500 or 1000
Brand:	Adhesive Dispensing Ltd



When you use high-quality dispensing components, you can be assured that they are produced while adhering to our own plastic standards.

- Meet or exceed industry standards for repeatability
- Meet or exceed industry standards for UV blockage
- Meet or exceed global ROHS and REACH standards
- Achieve Impact resistance two-times industry requirements
- Produced in a Silicon-free, Chloride-free environment
- Approved for operating pressures up to 100 psi/6.9 bar
- Approved for storage temperatures as low as -40 F/-40° C and as high as 100 F/38° C

Adhesive Dispensing Ltd (ADL) own guide of "Plastics Standards" require that all components are completely free of:

- Loose Debris - Cold Slugs - Waviness
- Contamination - Delamination - Grease
- Blush - Orange Peel - Lubricants
- Flow Lines - Cracking - Burns
- Knit Lines - Crazeing - Gas Marks
- Weld Lines - Nicks/Gouges - Marbling
- Loose Debris, Contamination



Statements, technical information and recommendations contained herein are based on tests we believe to be reliable but they are not to be construed in any manner as warranties expressed or implied. The user shall determine the suitability of the product for his intended use and the user assumes all risk and liability whatsoever in connection therewith.

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For use with pneumatic dispensers, manual syringe guns and plunger rods

AD910-NW 10cc Barrel & Piston

Technical Information

The precision syringe barrels & components and dispensing cartridges & components are designed to meet the most demanding manufacturing standards.

Leading edge materials and advanced engineering design make ADL packaging plastics unparalleled in dispensing performance.

INDUSTRIAL CERTIFICATION

Adhesive Dispensing Ltd certifies that the precision syringe barrels and wiper piston components meet or exceed the ASTM and industry standards, as tested in laboratory conditions, in the following areas:

Accuracy and Repeatability – Meet or exceed the repeatability requirement for industrial dispensing use. The 0° taper design and tight tolerances ensure the highest rate of dispensing accuracy and repeatability.

Silicone and Chloride Free – Moulded in a Silicone-free and Chloride-free environment to prevent contamination.

ROHS and REACH Compliant – We take every precaution to ensure none of the products contain any SVHC (Substances of Very High Concern).

Burst Strength – Designed for operating pressures up to 100 psi (6.9 bar). Destructive pressure tests are employed to determine burst strength. All syringes adhere to the destructive pressure burst test.

Impact Resistance – Designed to withstand high impact force. Using the modified Gardner Impact Test of ASTM Standard D5420, it was proven that the syringe barrels are two times more resistance to impact stress than the industry standard requirements.

Storage Temperature – Can be stored (with no pressure applied) between -40 F° and 100 F° (-40° C - 38° C).

UV Block Capability – All UV version products meet or exceed industry standards for UV blockage. Dark amber barrels provide UV and visible light block up to 520 nanometres; Black syringe barrels provide 100% UV and visible light block.

Transportation – Unfilled syringe barrels are safe to transport by ground, sea, or air. Transportation of filled syringe barrels will depend on the type of material being packaged.

Customers are urged to verify themselves with the material manufacturer its transportation requirements.

WARRANTY

Adhesive Dispensing Ltd Consumables Warranty Policy

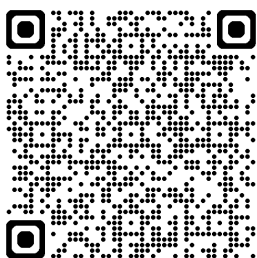
“Consumables” are primarily plastic disposable parts, such as syringes, pistons, dispense needles, taper tips, cartridges, plungers, etc. and designed for single use.

Adhesive Dispensing Ltd warrants these products against dimensional issues, visual defects, or damage. Adhesive Dispensing Ltd will replace defective consumable items free of charge at its sole discretion. Replacement of consumable parts is determined on a case-by-case basis and normally validated by return of sample parts to us for inspection.

A Return Material Authorisation (RMA) number must be obtained before returning any goods. The customer pays for inbound freight, and Adhesive Dispensing Ltd pays for return freight of the same category for replaced consumables.

If it is determined that the products have been misused, such as using the products for purposes they were not designed for, or if there are unauthorised modifications, then the guarantee is void.

Please note: Plastic dispensing consumables have a recommended “shelf life” or “use by” of two (2) years from the date of the delivery. If the consumables are stored appropriately, they may be usable beyond that date. Adhesive Dispensing Ltd cannot guarantee their quality after the two-year period.



Adhesive Dispensing Ltd
Solutions customers stick with...

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