

U.V. adhesive dispenser

**DUV**

**GREAT COST SAVING  
ON UV ADHESIVE BONDING**



**Tecnoideal**

Gruppo  
**MEDICA**  
Group

## To prevent unwanted polymerization of expensive UV adhesives

**DUV**, UV adhesive dispenser has been designed for precise, repeatable and quick dispensing of UV adhesive on PVC, ABS and other medical polymers used for assembling medical products. DUV can dispense adhesive on the external (or internal) surfaces of tubing, on conical surfaces, needles and various types of connectors and components.

Adhesive is continuously recirculated through the bushing by means of an electric pumping system, and precisely dispensed on medical tubing or components with custom made dispensing bushings by inserting the tubing or component into the relevant bushing and immediately pulling it back for assembly operation.

The dispensing bushing can dispense adhesive on the external surface of tubing or components surfaces from 2 mm up to 10 mm. Each diameter of tube requires its own dispensing bushing. These are easily and quickly interchangeable.



# DUV ADDITIONAL VERSIONS

## DUV PLUS

DUV PLUS is the only version which can perform dispensing on internal surfaces. This model is provided on request only. Each demand will be evaluated depending on the type of bonding that the customer needs to perform.





## DUV LS

DUV LS is a special version of the adhesive dispenser which has some particular features :

- Visual level indicator with marks indicating maximum/minimum glue level;
- LED signaling system which alerts the operator when the glue level is low

## DUV FAMILY FEATURES

- **Easier and quicker dispensing** than any other traditional method or procedure: it is not necessary to wait or rotate the tubing (or component) inside the bushing because the adhesive wets the tubing (or component).
- **Reproducible bonding:** when the tubing (or component) is pushed into the bush, a dead stop determines the right dispensing length and film of adhesive is accurately and uniformly dispensed all around the surface of the tubing or component.
- **Minimal operator training:** the dispensing system guarantees reproducible adhesive quantities and mistake-proof operation.
- **Optimal protection against light** in order to prevent unwanted polymerization of U.V. adhesive inside the dispenser.
- **No waste of adhesive and clean dispensing:** the closed configuration of the dispenser reduces the evaporation of adhesive in the working area. Adhesive is dispensed only where necessary, avoiding adhesive excess on assembled parts. A protective ring is provided to close dispensing area and to prevent release of adhesive when dispenser is not in use.
- **Minimum environmental contamination:** to reach an optimal removal of adhesive vapors from the working area, the dispenser is supplied with a Vapor Conveyor System.

FAMILY-TYPE	Product code	To dispense from ÷ to		Dispensing length
<b>DUV FAMILY DISPENSERS</b>				
A	98211	2÷3,9 mm	//	5÷14 mm
A	98212	4÷6,2 mm	//	5÷14 mm
B	98210	6,3÷10 mm	//	5÷14 mm
DUV PLUS	98206		Variable	
<b>DUV and DUV Is available configurations</b>				
				
<b>DUV PLUS available configurations</b>				
				

## TECHNICAL FEATURES

**Power supply:** IN: 220-230V AC 50/60 Hz  
 OUT: 18V AC 50/60 Hz

**Max viscosity of adhesive:** 1500 cP

**Vapour Conveyor System aspiration flow:**  
 5 ÷ 10 cubic meters/hour

**Vapour Conveyor System air speed:**  
 0.3÷0.5 meters/second

**Adhesive requirements :** suitable with UV glue (E.g. Loctite 3311), all adhesives that polymerise after UV ray exposure with specific lamps. DUV is not suitable for Cyanoacrylate.

