

For Bonding of plastic components or tubing

SOLVENT DISPENSER

Solvent continuously circulates through the dispensing bushings by means of a fine tuned electronic pumping system.

The dispensing bushing is the "core" of our dispenser and it is manufactured thanks to our long-time and proved experience according to specific customer requirements. DS series includes models equipped with Electronic Level Sensor (LS), programmable Flow Regulator (EFR) and "poka-yoke" alerting system (LS-SD) that help to guarantee the proper dispensing.



SOLVENT DISPENSER

DS2/LS-SD

DS2/LS-SD is a new version of Solvent Dispenser which has some particular features designed to facilitate and to improve the operator's working procedures. Main features :

- Buzzer and blinking red light which alert the operator for the refilling;
- Sliding door which falls down when the dispenser is switched off and after some seconds after the buzzer and red led alert.

The purpose is to ensure the best quality in the dispensing in order to prevent the operator to work when the solvent reservoir is almost empty. This version could be eventually available even for DSV and DSF versions.

OPTIONAL CONFIGURATIONS

Vapor Conveyor System (VCS) : for optimal removal of solvent vapor from working area for a minimum environmental contamination.

Various languages sliding door inscription: English, Spanish and Italian. Other languages available upon customer's request.



DS PLUS/LS with VCS

DS PLUS is the Solvent Dispenser with larger reservoir capacity.

DS PLUS has a larger reservoir (200 ml) compared to other versions in order to allow a greater working autonomy. This device can be equipped with standard dispensing bushings used on the DS family.

DS PLUS is equipped with:

Vapor Conveyor System (VCS) : for optimal removal of solvent vapor from working area for a minimum environmental contamination.

Level Sensor "DS-PLUS/LS" : equipped with led signaling system. The level sensor shows the level of solvent in the dispenser reservoir by means of audio-visual signaling system.



SOLVENT DISPENSER

DS Family



DS2 equipped with two dispensing bushings for assembly manufacturing, when it is necessary to assemble two different diameters of tubing or components.

DSV-T Vertical Dispenser for Chambers internal wetting.



DSV equipped with one dispensing bushing for large tubing diameters or chambers.



DSV-TOP Vertical dispenser for Chambers internal wetting (closed configuration).



DSF equipped with four dispensing bushings for the assembly of products that require four different diameters of tubing or components.



OPTIONAL CONFIGURATIONS

DS2, DSF, DSV dispenser models can be supplied in the following configurations:

Vapor Conveyor System (VCS): for optimal removal of solvent vapor from working area for a minimum environmental contamination (the exhausting tube adapter is included).

Level Sensor "DS/LS": equipped with leds signaling system. The level sensor shows the low level of solvent in the dispenser reservoir by means of audio-visual signaling system.

Electronic Flow Regulator "DS/EFR": With EFR version you can make following settings:

Programmable level sensor for audio-visual signaling of solvent low level in the reservoir;

Setting of pumping frequency to increase or decrease solvent flow to the dispensing bushing.

SOLVENT DISPENSER

SOLV-IT

Our wireless solvent dispenser that needs no electric or pneumatic connections.

Easier and quicker dispensing with reproducible bonding
Minimal operators training
No waste of solvents and clean dispensing
Minimum environmental contamination

SOLV-IT is a solvent applicator that works with a dispensing bushing, where the solvent is dispensed at the insertion of the tubing or connector. With a very simple design, SOLV-IT is very easy to use and requires simple maintenance. The absence of critical parts subject to wear or damage makes it very durable and consistent in its performances.

OPTIONAL CONFIGURATION

Vapor Conveyor System (VCS): for optimal removal of solvent vapor from working area for a minimum environmental contamination.



SOLV-IT ID



SOLV-IT OD

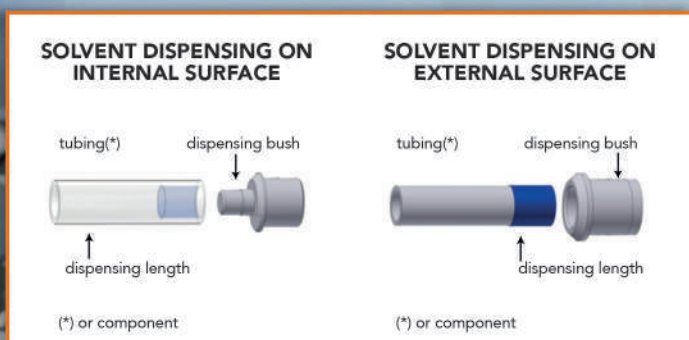
DISPENSING BUSHINGS

Solvent is carefully and precisely dispensed on tubing or components by means of special dispensing bushings: every different diameter of tubing or component requires a dedicated bushing, the same applies to dispensing lengths. If necessary, bushings can be easily and quickly changed. Interchangeability is possible only within the same family-type of diameters described below. TECNOIDEAL can design and manufacture custom made dispensing bushings for special components or special applications and BUSHINGS FOR INTERNAL + EXTERNAL dispensing simultaneously. On request, customized BUSHINGS FOR MICROBORE TUBINGS are available. The special configuration of these bushings allows them to dispense solvent on the external surface of tubing/components smaller than 3 mm, avoiding any excess of solvent inside the assembled parts by capillary action.

| FAMILY-TYPE | To dispense from ÷ to | |
|---|-----------------------|------------------|
| | External surface | Internal surface |
| DS-FAMILY DISPENSERS | | |
| A | 3.0÷8.0mm | 2.5÷12.0mm |
| A For microbore | 1.5÷2.9mm | // |
| B | 8.1÷12.5mm | // |
| C | // | 12.1÷26.5mm |
| D | 12.6÷24.0 | // |
| DS2 and DS PLUS available configurations | | |
| | | |
| DSF available configurations | | |
| | | |
| DSV available configurations | | |
| | | |
| SOLV-IT DISPENSERS | | |
| A | 3.0÷8.0mm | // |
| A For microbore | 1.5÷2.9mm | // |
| A | // | 3.0÷8.0mm |
| SOLV-IT available configuration | | |
| | | |

NOTCH

All Tecnoideal bushings incorporate a modification designed to make it easier for the operator to correctly assemble the bushings on the dispenser. Each bushing has two vertical grooves and one side notch. This notch helps to align the bushing with a pin placed on the bushing holder. Tecnoideal standard notch has a 3,2 mm diameter. The diameter can be personalized upon customer request.



TECHNICAL FEATURES – HOW TO ORDER

DS-FAMILY

Main Supply : 115-230V 50-60Hz 10 VA - **Working voltage:** 24V, 50Hz

Operating conditions: temperature from 5° to 45° C; relative room humidity:90% max

Recommended aspiration flow with VCS 5÷10 cubic meters/hour

VCS Air speed with 0,3÷0,5 cubic meters/hour

Capacity reservoir (ml) 70 / 200 (DS-PLUS)

PRODUCT CODES

| MODEL VERSION | DS2 | DSF | DSV | DSV-T | DSV-TOP | DS PLUS | DS2-LS/SD (ENG*) | SOLV-IT | |
|---------------|-------|-------|-------|-------|---------|---------|---------------------|---------|-------|
| | | | | | | | | OD | ID |
| Base | 98066 | 98070 | 98068 | 98178 | 98193 | // | // | 98166 | 98189 |
| LS | 98148 | 98149 | 98150 | // | // | // | 98203 | // | // |
| SS | 98111 | 98115 | 98113 | // | // | // | // | // | // |
| EFR | 98163 | 98164 | 98165 | // | // | // | // | // | // |
| Base with VCS | 98067 | 98071 | 98069 | // | // | // | // | // | // |
| LS with VCS | 98123 | 98131 | 98132 | // | // | 98219 | 98205 | // | // |
| SS with VCS | 98112 | 98116 | 98114 | // | // | // | // | // | // |
| EFR with VCS | 98154 | 98161 | 98162 | // | // | // | // | // | // |

* Languages sliding door: English, Spanish and Italian. Other languages available upon customer's request.

COMPATIBILITY OF OUR DISPENSERS WITH SOLVENTS

| Solvent name | Formula | CAS no. ⁽¹⁾ |
|-----------------------------------|--|------------------------|
| Bromochloromethane ⁽²⁾ | Br·CH ₂ Cl | 74-97-5 |
| Chloroform | CH Cl ₂ | 67-66-3 |
| Cyclohexanone | C ₆ H ₁₀ O | 108-94-1 |
| Cyclopentanone | C ₅ H ₈ O | 120-92-3 |
| Dichloroethane | CH ₂ Cl · CH ₂ Cl | 107-06-2 |
| Dichloromethane | CH ₂ Cl ₂ | 75-09-2 |
| Dimethylformamide (DMF) | H · CO · N (CH ₃) ₂ | 68-12-2 |
| Dimethylsulphoxide | CH ₃ · SO · CH ₃ | 67-68-5 |
| Diocetyl phthalate (DOP) | C ₆ H ₄ (COO C ₈ H ₁₇) ₂ | 117-81-7 |
| Ethylacetate | CH ₃ · COO C ₂ H ₅ | 141-78-6 |
| Isopropyl Alcohol | CH ₃ · CHOH · CH ₃ | 67-63-0 |
| Methylethylketone (MEK) | C ₂ H ₅ · CO · CH ₃ | 78-93-3 |
| Tetrahydrofuran (THF) | C ₄ H ₈ O | 109-99-9 |
| Trichlorethane | CH ₃ · CCl ₃ | 71-55-6 |
| Xylene | C ₈ H ₁₀ | 1330-20-7 |

** Suggested solvents to be evaluated depending on solvent dispenser model.

(1) CAS no. Is the Registration Chemical Abstract Service number which identifies precise chemical compound.

(2) Bromochloromethane can be used only with Stainless Stell ('/ss) solvent dispensers.

