SOLVENT DISPENSERS
For bonding of plastic components or tubing

Solvent is continuously recirculated through the dispensing bushings by means of an electronic pumping system.

The dispensing bushing is the “core” of the dispenser and it is manufacture according to customer specifications.
**DS FAMILY AVAILABLE CONFIGURATIONS:**

**DS2**
Equipped with two dispensing bushings. It is indicated for assembly manufacturing, where it is necessary to assemble two different diameters of tubing or components.

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

**DSF**
Equipped with four dispensing bushings. It is indicated for the assembly of complex products, where it is necessary to assemble four different diameters of tubing or components.

**DS-XL**
Equipped with two bushings. This model has a large reservoir capacity (600ml) and the Vapor Conveyor System (VCS) is incorporated.

**OPTIONAL CONFIGURATIONS**

**Vapor Conveyor System (VCS):** for complete 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/EF R”, 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;
- LED lighting of dispensing area for easier insertion of tubing/component into the bushing.
DS ADDITIONAL VERSIONS

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

DSV-T
Vertical Dispenser for Chambers internal wetting (side configuration)

DSV-DRIP CHAMBER CAP
Special design for wetting of Drip Chamber Cap connections (2-3-4 ways)

DS2-L/R
Dispenser for Left/Right hand operation, that could be equipped with bushings type A, B, C, D.
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 adhesive and clean dispensing
Minimum environmental contamination

SOLV-IT is a solvent applicator that works with a dispensing die bushing, where the solvent is dispensed at the insertion of the tubing or connector. The functional principle is based on the effect of capillarity.
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.

Fumes exhausting is provided by a connection to the clean room exhausting system through a tapered adaptor fitted in the back and works like a hood.
The 2-sided slot around the front bushing holder remove the fumes ion the area where they are released. A minimum air flow is needed. About 50 ft/ min air speed in the frontal area is sufficient for an optimal fumes removal.

Capacity of reservoir:
70 ml of solvent

Dimensions:
140x135x144

SOLV-IT bushings for OD and ID dispensing.
**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. If necessary, bushings can be easily and quickly changed. Interchangeability is possible only within the same family-type of diameters described in the chart next:

**SOLVENTS THAT CAN BE DISPENSED**

<table>
<thead>
<tr>
<th>Solvent name</th>
<th>Formula</th>
<th>CAS no. (^{(1)})</th>
</tr>
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<tbody>
<tr>
<td>Bromocloromethane (^{(2)})</td>
<td>Br • CH₂ Cl</td>
<td>74-97-5</td>
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<tr>
<td>Chloroform</td>
<td>CH Cl₂</td>
<td>67-66-3</td>
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<tr>
<td>Cyclohexanone</td>
<td>C₆ H₁₀ O</td>
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<tr>
<td>Cyclopentanone</td>
<td>C₅ H₈ O</td>
<td>120-92-3</td>
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<tr>
<td>Dichloroethane</td>
<td>CH₂ Cl • CH₂ Cl</td>
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<tr>
<td>Dichloromethane</td>
<td>CH₂ Cl₂</td>
<td>75-09-2</td>
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<tr>
<td>Dimethylformamide (DMF)</td>
<td>H • CO • N (CH₂)₂</td>
<td>68-12-2</td>
</tr>
<tr>
<td>Dimethylsulphoxide</td>
<td>CH₃ • SO • CH₃</td>
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</tr>
<tr>
<td>Dioctyl phthalate (DOP)</td>
<td>C₆ H₄ (COO C₈ H₁₇)₂</td>
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<td>Ethylacetate</td>
<td>CH₃ • COO C₂ H₈</td>
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<td>Isopropyl Alcohol</td>
<td>CH₃ • CHOH • CH₃</td>
<td>67-63-0</td>
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<td>Methyleneylketone (MEK)</td>
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<td>Tetrahydrofuran (THF)</td>
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<tr>
<td>Trichlorethane</td>
<td>CH₃ • CCl₃</td>
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<td>Xylene</td>
<td>C₈ H₁₀</td>
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\(^{(1)}\) CAS no. Is the Registration Chemical Abstract Service number which identifies a precise chemical compound.  

\(^{(2)}\) Bromocloromethane can be used only with Stainless Steel (’/ss) solvent dispensers.

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**SOLVENT DISPENSING ON EXTERNAL SURFACE**

**SOLVENT DISPENSING ON INTERNAL SURFACE**
TECHNICAL FEATURES – HOW TO ORDER

DS-FAMILY

Main Supply: 115-230V 50-60Hz 10 VA
Working voltage: 18V, 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 / 500 (DS-XL)

<table>
<thead>
<tr>
<th>DS2 (base)</th>
<th>DSF (base)</th>
<th>DSV (base)</th>
<th>DS/XL</th>
<th>SOLV-IT</th>
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Product codes base version

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Product codes with Vapor Conveyor System

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<td>DSV-TOP</td>
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DS2 – L/R DSv-T DSv-TOP DSv-DRIP CHAMBER CAP

SPECIAL BUSHINGS

Bushings TYPE A for simultaneous dispensing (internal and external)

Bushings for Luer Lock Component dispensing

Bushings for Luer Lock dispensing

98176

T51501

T51473

ACCESSORIES

HANDYcut S (for cutting tubes up to 12mm OD) 98077
HANDYcut L (for cutting tubes up to 25mm OD) 98078
Aspiration tube (standard case: 30m) 98076

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