



Zator
gluing solutions



2024

products catalog



ANNIVERSARY
1998 - 2023

welcome



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ABOUT US

12.500

VALVES PRODUCED
IN THE LAST 3 YEARS

199.400

PRODUCED ITEMS
IN THE LAST 3 YEARS

CONSOLIDATED
ANNUAL REVENUE
GROWTH



ANNIVERSARY

ITALIAN PASSION AT AN INTERNATIONAL LEVEL

OVER 25 YEARS OF EXPERIENCE IN THE DESIGN AND MANUFACTURE OF SYSTEMS FOR THE APPLICATION OF ADHESIVES, GLUE AND FLUIDS SERVING SECTORS SUCH AS PAPER CONVERTING, AUTOMOTIVE, WOOD/FURNITURE, TOBACCO AND FOOD.

Controlled and flexible production for fast and customized solutions: from material selection to delivery, we manage the entire production process internally with real-time control of all products.

Our fleet of CNC machine tools allows us to manufacture both standard products and customized solutions based on your needs.

Our flexibility and company size allow us to guarantee the best tailor-made solutions in a short time.

THE RIGHT SYSTEM FOR EVERY INDUSTRY

WE DESIGN AND MANUFACTURE NOT ONLY SYSTEMS, BUT COMPLETE SOLUTIONS IN-HOUSE: EACH SYSTEM IS EQUIPPED WITH POWER UNITS, CONTROLS, VALVES, SENSORS AND ADDITIONAL COMPONENTS.



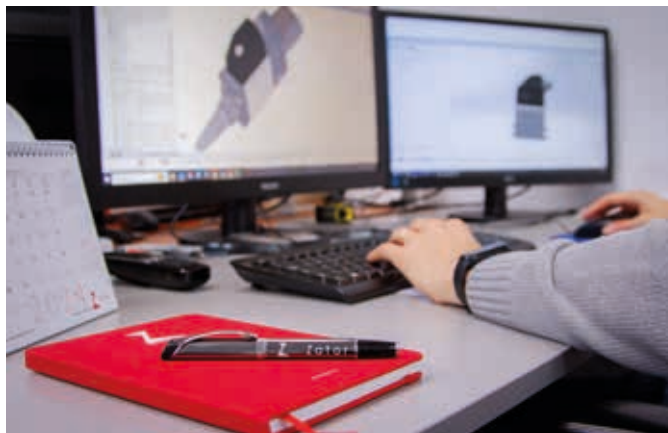
QUALITY AS A CORPORATE VALUE

AT ZATOR, WE NEVER SETTLE FOR MEDIOCRITY. WE STRIVE FOR EXCELLENCE IN EVERY PHASE OF THE PRODUCTION PROCESS: EVERY TEAM MEMBER IS AWARE OF THE IMPORTANCE OF QUALITY AND IS DEEPLY COMMITTED TO ENSURING IT IS MET.

From carefully selected raw materials to rigorously tested components and state-of-the-art machinery, everything is designed to achieve the highest quality products. Each project and collaboration is an opportunity to refine and improve.

We leave nothing to chance: our rigorous quality controls ensure that every component is perfect before it is assembled. For us, quality is an investment in the future, and one that we are not willing to sacrifice.





WITH YOU, FROM START TO FINISH

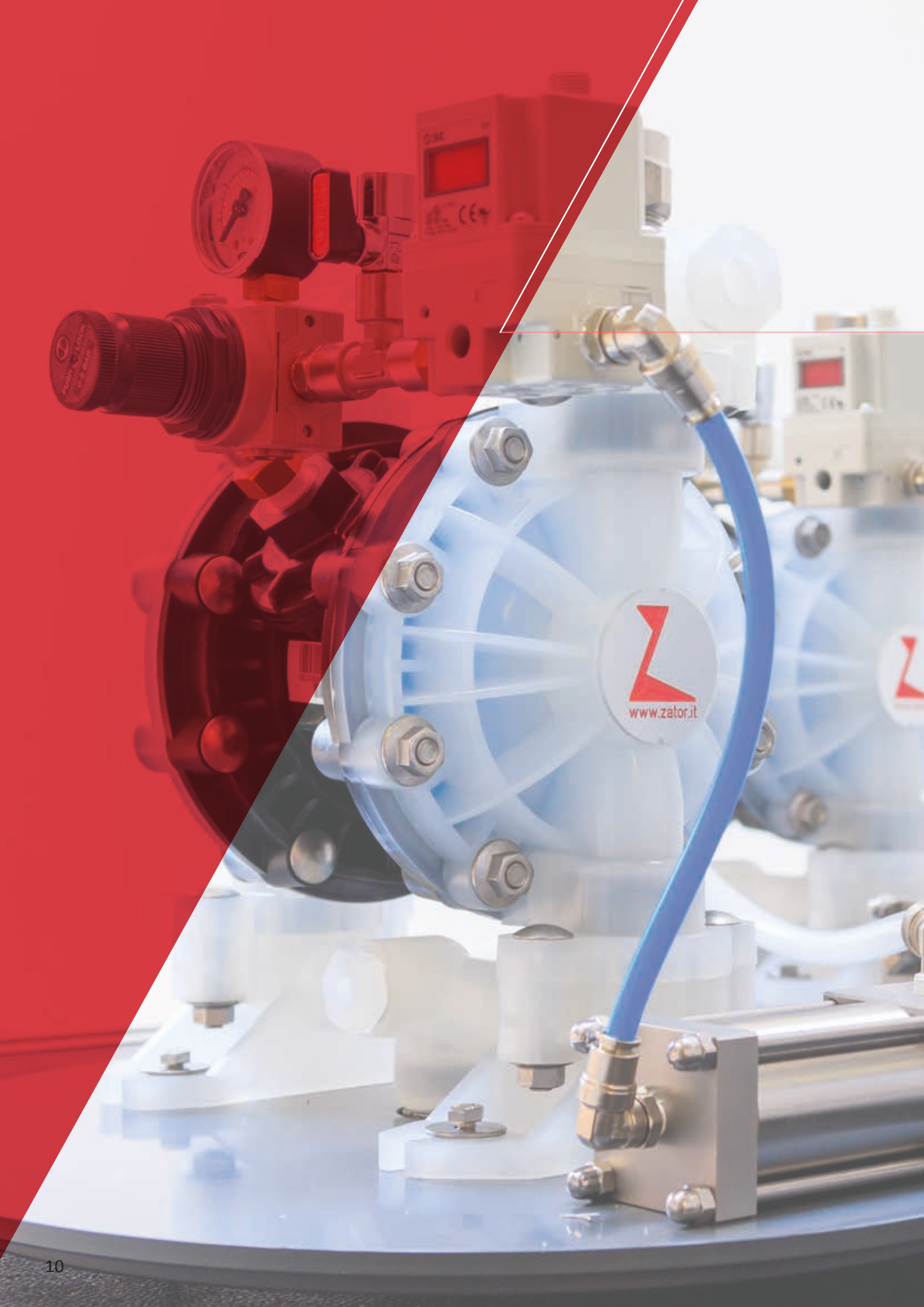
OUR COLLABORATION DOES NOT END WITH THE DELIVERY OF THE PROJECT. WE OFFER A COMPLETE SERVICE, WITH MAXIMUM AVAILABILITY BEFORE AND AFTER SALES. OUR EXPERT AND COMPETENT TECHNICIANS ARE AT YOUR DISPOSAL FOR ANY NEED, GUARANTEEING YOU INTERNATIONAL LEVEL SUPPORT.



We can reach you anywhere:
from Europe to Oceania,
from the Americas to Asia.
We also have a strong presence in
China, thanks to the **Guangzhou**
branch operating since 2016.

ITALIAN EXCELLENCE, SERVING THE WORLD

FROM ITALY TO THE WORLD,
WE BRING OUR PASSION FOR
INNOVATION AND QUALITY.
OUR TECHNICAL AND
COMMERCIAL NETWORK ALLOWS
US TO BE PRESENT ALL OVER THE
WORLD, OFFERING A TIMELY AND
PERSONALIZED ASSISTANCE AND
SUPPORT SERVICE.
(AGENTS, DISTRIBUTORS,
COMMERCIAL COMPANIES)



1 GLUE FEED UNITS

diaphragm pump

The glue feed units with diaphragm pump are indicated to supply low viscosity glues, adhesives and fluids.

They are equipped with a double diaphragm pneumatic pump 1:1 ratio and an anti-stall control valve.

The pump is assembled on an easily removable plastic bucket lid that simplifies the empty bucket change, in the same way the pump can be moved on a water filled bucket for a complete implant washing cycle.

The pump is equipped with a bottom valve that prevent fluid loss during the maintenance/ bucket change operations.

The glue feed units are equipped with a stainless filter placed in the intake pump tube, this will prevent the aspiration of glue lumps; a second, fine mesh filter, is equipped in some versions, the second filter will act as a dampener for the pump pulsation, and filter the fluid even more.

To manually control the pressure output, a 1:1 ratio manual pressure regulator can be installed, alternatively, for an automated system a 1:1 automatic pressure regulator, controlled by a proportional valve is available.

To indicate the bucket minimum level, a float level sensor can be installed.

APPLICATION FIELDS

| |
|------------------|
| packaging |
| paper converting |
| case maker |
| printing machine |
| tobacco industry |
| assembly |
| cosmetics |

FLUID TYPES

| |
|----------------------|
| adhesives and glues |
| inks |
| paints |
| mastics |
| low viscosity fluids |

A158001

Glue feed unit with double diaphragm pneumatic pump 1:1 ratio equipped with: suction pipe with filter and bottom valve, 1:1 manual stainless steel pressure regulator, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid. Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.



technical data

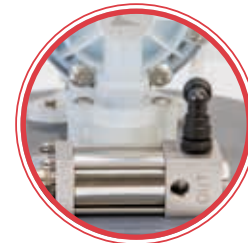
| | |
|------------------|-----------------|
| Pump ratio | 1:1 |
| Line air supply | max 6 bar |
| Working pressure | from 1 to 6 bar |
| Weight (tare) | 10 Kg |
| Bucket capacity | 28 liters |

description

Diaphragm pump feed unit: double diaphragm polypropylene pump, polypropylene seats, santoprene diaphragms and spheres. Bucket with lid, suction pipe with filter, bottom valve, stainless steel filter/pulsation dampener and manual stainless steel pressure regulator.



Stainless steel filter with interchangeable cartridge



Manual stainless steel pressure regulator



Float level sensor kit

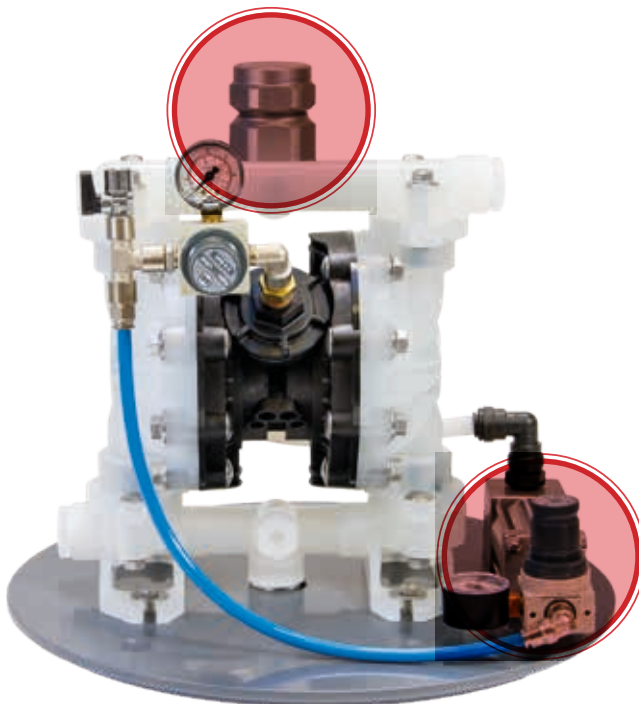


Stand

Available options



Bottom valve with filter



Double diaphragm

A159002

Glue feed unit with double diaphragm pneumatic pump 1:1 ratio equipped with: suction pipe with filter and bottom valve, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid, 1:1 automatic stainless steel pressure regulator, proportional valve for automatic control of fluid flow. Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

technical data

| | |
|--------------------|-----------------|
| Pump ratio | 1:1 |
| Line air supply | max 6 bar |
| Proportional valve | 0 - 20 mA |
| Working pressure | from 1 to 6 bar |
| Weight (tare) | 11 Kg |
| Bucket capacity | 28 liters |

description

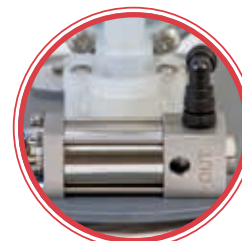
Diaphragm pump feed unit: double diaphragm polypropylene pump, polypropylene seats, santoprene diaphragms and balls. Bucket with lid, suction pipe with filter, bottom valve, proportional valve, stainless steel filter/pulsation dampener and automatic stainless steel pressure regulator.



Stainless steel filter with interchangeable cartridge



Proportional valve



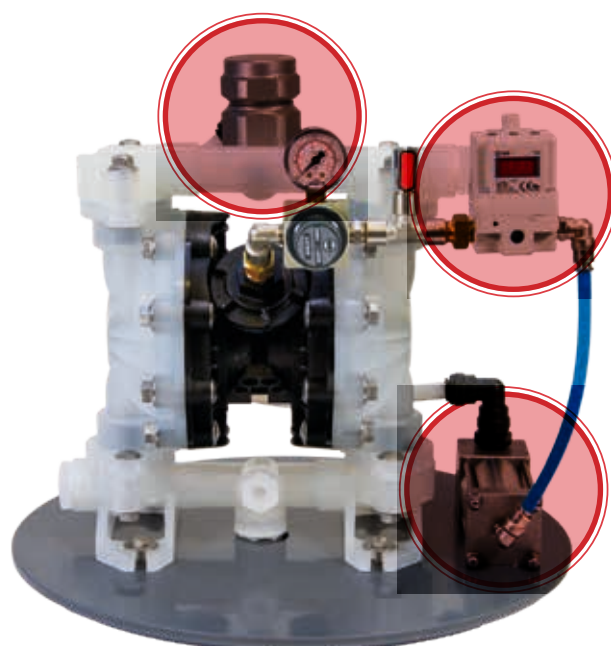
Automatic stainless steel pressure regulator



Float level sensor kit



Stand



Double diaphragm



Bottom valve with filter

Available options

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piston pump

The glue feed units are indicated to supply medium viscosity glues, adhesives and fluids; they are equipped with a fully pneumatic piston pump up to 10:1 ratio.

The pump can be installed directly on board the machine, wall mounted or on a stand with wheels.

The bucket is connected to the pump via a flexible reinforced tube, the bucket refill and inspection, is facilitated by a hinged flap door on the bucket lid.

The pump is equipped with a bottom valve that prevent fluid loss during the maintenance/ bucket change operations.

The glue feed units are equipped with a stainless filter placed in the intake pump tube, this will prevent the aspiration of glue lumps; a second, fine mesh filter, is equipped in some versions, the second filter will act as a dampener for the pump pulsation, and filter the fluid even more.

To manually control the pressure output, a 1:1 ratio manual pressure regulator can be installed, alternatively, for an automated system a 1:1 automatic pressure regulator, controlled by a proportional valve is available.

To indicate the bucket minimum level, a sensor can be installed.

APPLICATION FIELDS

| |
|------------------|
| packaging |
| paper converting |
| case maker |
| printing machine |
| tobacco industry |
| assembly |
| cosmetics |

FLUID TYPES

| |
|-------------------------|
| adhesives and glues |
| greases |
| paints |
| mastics |
| medium viscosity fluids |

GFUP02010

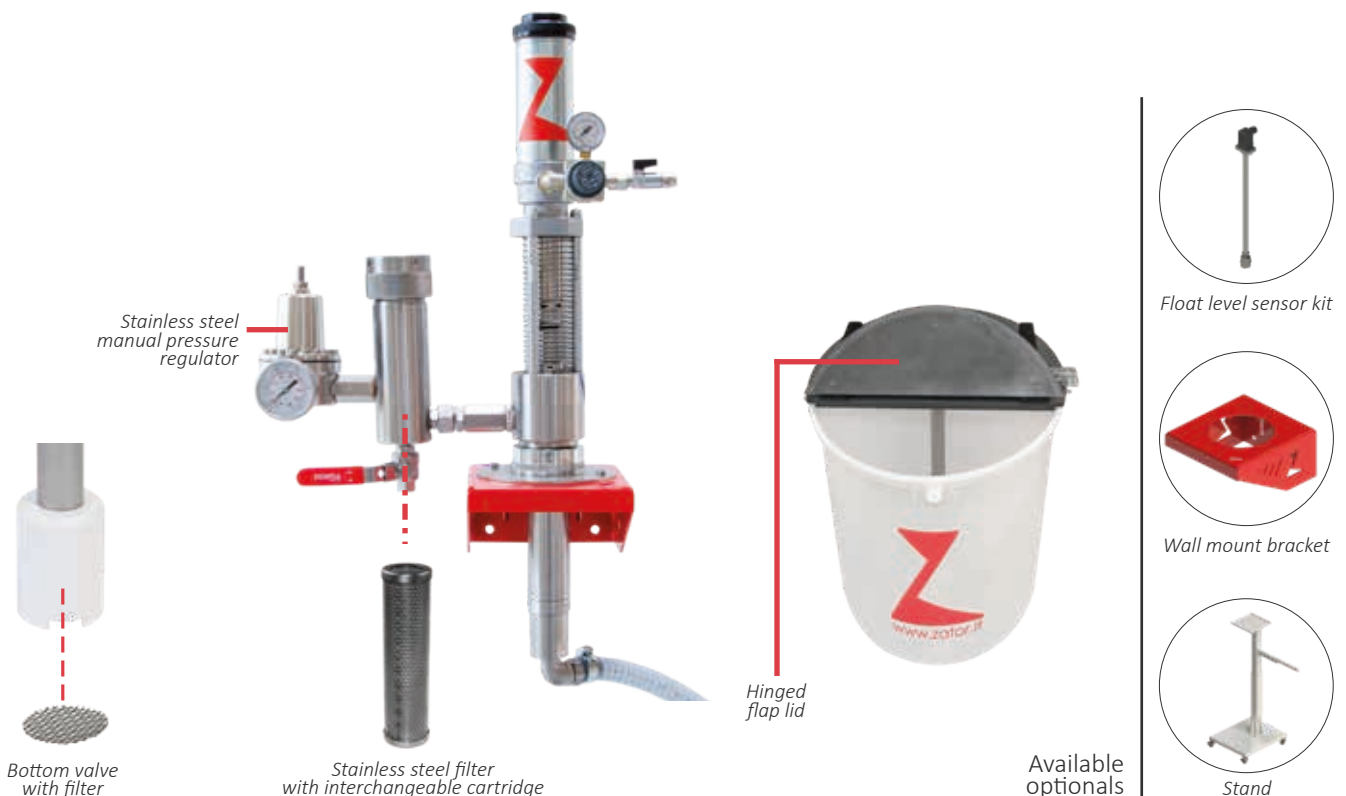
Glue feed unit with pneumatic piston pump 2:1 ratio equipped with: suction pipe with filter and bottom valve, manual stainless steel pressure regulator, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid. Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

technical data

| | |
|------------------|------------------|
| Pump ratio | 2:1 |
| Line air supply | max 6 bar |
| Working pressure | from 1 to 12 bar |
| Weight (tare) | 21 Kg |
| Bucket capacity | 28 liters |

description

Piston pump feed unit, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 2:1 ratio. Bucket with lid, suction pipe with filter, bottom valve, stainless steel filter/pulsation dampener and manual stainless steel pressure regulator.



GFUP02011

Glue feed unit with pneumatic piston pump 2:1 ratio equipped with: suction pipe with filter and bottom valve, 3:1 ratio automatic stainless steel pressure regulator, proportional valve for automatic control of fluid flow, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid.

Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

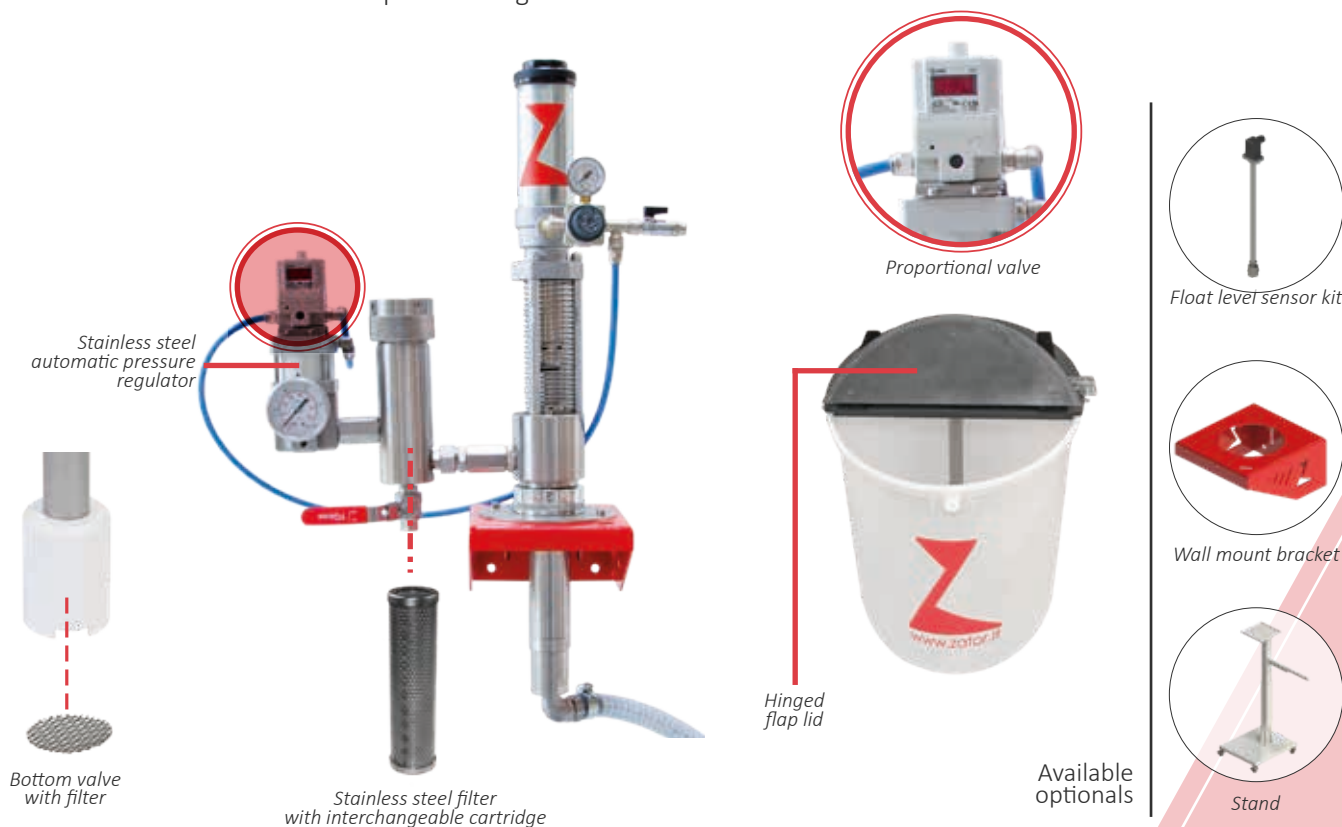
technical data

| | |
|--------------------|------------------|
| Pump ratio | 2:1 |
| Line air supply | max 6 bar |
| Proportional valve | 0 - 20 mA |
| Working pressure | from 1 to 12 bar |
| Weight (tare) | 23 Kg |
| Bucket capacity | 28 liters |



description

Glue feed unit with piston pump, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 2:1 ratio. Bucket with lid, suction pipe with filter, bottom valve, proportional valve, stainless steel filter/pulsation dampener and 3:1 automatic stainless steel pressure regulator



Available options

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A169001

Glue feed unit with pneumatic piston pump 5:1 ratio equipped with: suction pipe with filter and bottom valve, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid.

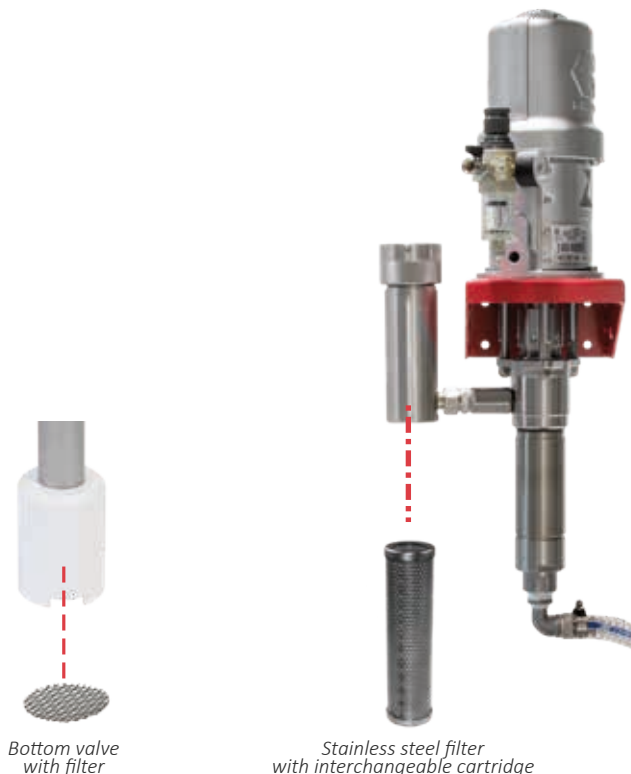
Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

technical data

| | |
|------------------|------------------|
| Pump ratio | 5:1 |
| Line air supply | max 6 bar |
| Working pressure | from 1 to 30 bar |
| Weight (tare) | 20 Kg |
| Bucket capacity | 28 liters |

description

Piston pump feed unit, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 5:1 ratio. Bucket with lid, suction pipe with filter, bottom valve and stainless steel filter/pulsation dampener.



Bottom valve with filter

Stainless steel filter with interchangeable cartridge



Hinged flap lid

Available options



Float level sensor kit



Wall mount bracket



Stand

A170001

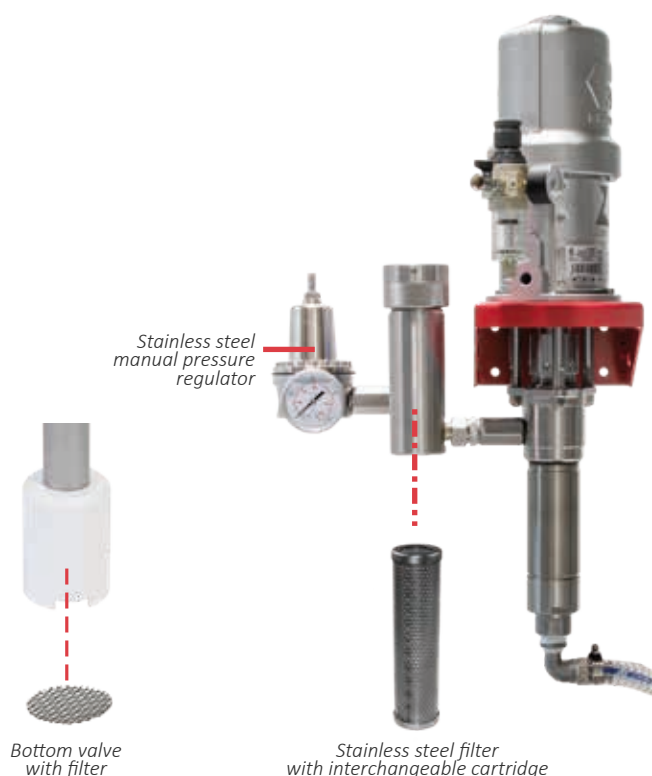
Glue feed unit with pneumatic piston pump 5:1 ratio equipped with: suction pipe with filter and bottom valve, manual stainless steel pressure regulator, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid. Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

technical data

| | |
|------------------|------------------|
| Pump ratio | 5:1 |
| Line air supply | max 6 bar |
| Working pressure | from 1 to 30 bar |
| Weight (tare) | 23 Kg |
| Bucket capacity | 28 liters |

description

Piston pump feed unit, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 5:1 ratio. Bucket with lid, suction pipe with filter, bottom valve, stainless steel filter/pulsation dampener and manual stainless steel pressure regulator.



Available
optionals

A190001

Glue feed unit with pneumatic piston pump 10:1 ratio equipped with: suction pipe with filter and bottom valve, manual stainless steel pressure regulator, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid. Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

technical data

| | |
|------------------|------------------|
| Pump ratio | 10:1 |
| Line air supply | max 6 bar |
| Working pressure | from 1 to 60 bar |
| Weight (tare) | 28 Kg |
| Bucket capacity | 28 liters |

description

Piston pump feed unit, available with wall mount bracket (optional) or stand on wheels (optional).
Stainless steel piston pump 10:1 ratio.
Bucket with lid, suction pipe with filter, bottom valve, stainless steel filter/pulsation dampener and manual stainless steel pressure regulator.



A171001

Glue feed unit with pneumatic piston pump 5:1 ratio equipped with: suction pipe with filter and bottom valve, 5:1 ratio automatic stainless steel pressure regulator, proportional valve for automatic control of fluid flow, stainless steel filter/pulsation dampener which has the double function to drop the pulsations of the pump and filter any possible impurities contained into the aspirated fluid.

Upon request a float level sensor (optional) can be installed to indicate the minimum fluid level into the bucket.

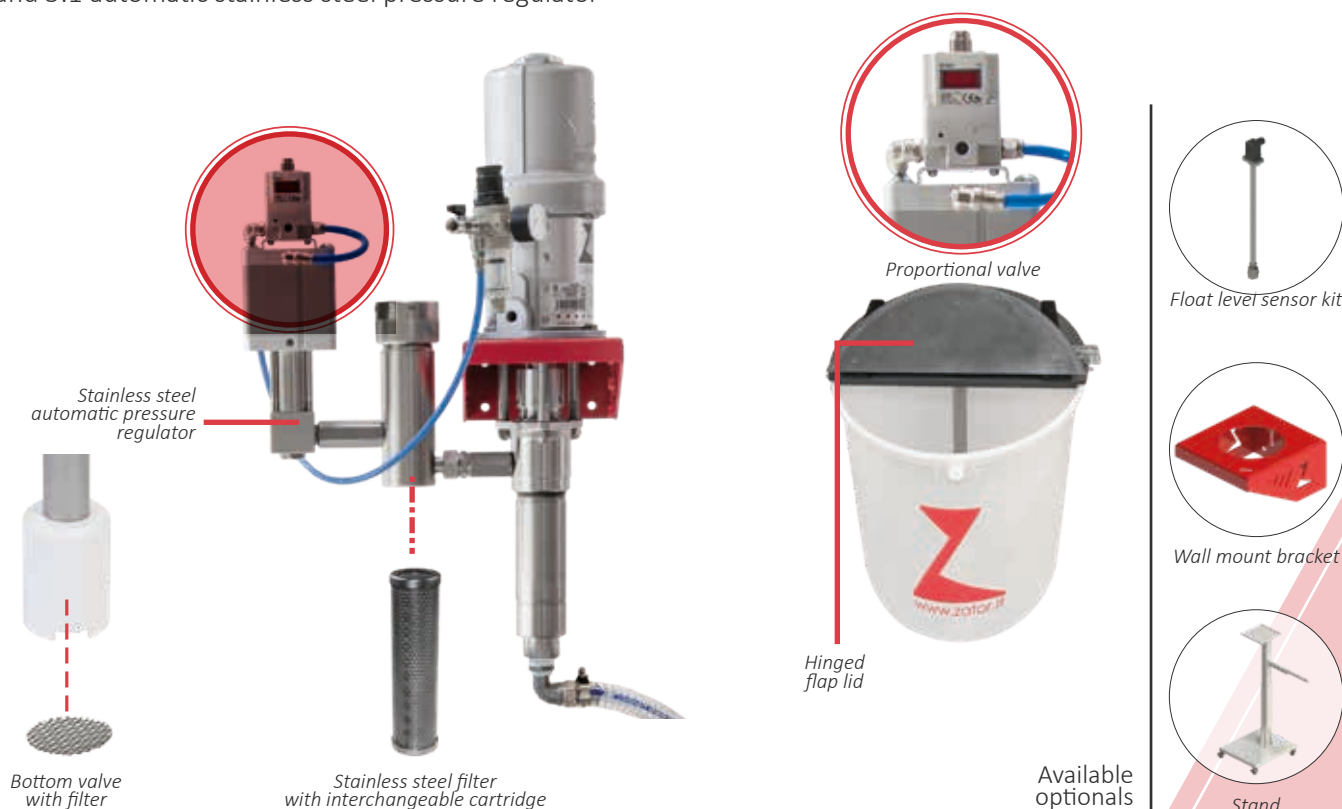
technical data

| | |
|--------------------|------------------|
| Pump ratio | 5:1 |
| Line air supply | max 6 bar |
| Proportional valve | 0 - 20 mA |
| Working pressure | from 1 to 30 bar |
| Weight (tare) | 25 Kg |
| Bucket capacity | 28 liters |



description

Glue feed unit with piston pump, available with wall mount bracket (optional) or stand on wheels (optional). Stainless steel piston pump 5:1 ratio. Bucket with lid, suction pipe with filter, bottom valve, proportional valve, stainless steel filter/pulsation dampener and 5:1 automatic stainless steel pressure regulator



Available
optionals



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light - LDG - MDG pressure tank

Light pressure tanks are indicated for the use with low viscosity glues, adhesives and fluids, fully made in stainless steel, the tanks can be easily refilled through a wide opening on top, the airtight cap can be manually removed.

The tanks maximum working pressure is 3 bar, 9 or 18 liters capacity, a fine mesh stainless steel filter can be installed in the fluid output, to filter any impurity that may be present in the fluid.

The LDG and MDG pressure tanks are entirely stainless steel made with a maximum working pressure of 6 bar, their capacity ranges from 1 liter and up to 42,5 liters.

The tanks are equipped with a pressure regulator with manometer, sphere valves in both inlet and outlet and a safety valve; the lid is fully removable, allowing an easier inspection/tank refill.

The tanks can be equipped with a fine mesh stainless steel filter in the output, to filter any impurity that may be present in the fluid. All models are CE certified.

APPLICATION FIELDS

| |
|------------------|
| packaging |
| paper converting |
| case maker |
| wood industry |
| assembly |

FLUID TYPES

| |
|----------------------|
| adhesives and glues |
| inks |
| paints |
| low viscosity fluids |

OPTIONALS

| |
|--------------------|
| fluid filter |
| fluid level sensor |
| heating jacket |
| agitator |

9 LITERS

| code | description |
|-----------|---|
| A12900300 | Stainless steel pressure tank- Light version 9 liters- 3 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves- Safety valve |

| code | description |
|-----------|---|
| A12906300 | Stainless steel pressure tank- Light version 9 liters- 3 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve- Stainless steel filter |

| code | description |
|-----------|--|
| A12906500 | Stainless steel pressure tank- Light version 9 liters- 3 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves- Safety valve Stainless steel filter- Level control |



18 LITERS

| code | description |
|-----------|--|
| A12900100 | Stainless steel pressure tank- Light version 18 liters- 3 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves- Safety valve |

| code | description |
|-----------|--|
| A12906100 | Stainless steel pressure tank- Light version 18 liters- 3 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve- Stainless steel filter |

| code | description |
|-----------|---|
| A12907100 | Stainless steel pressure tank- Light version 9 liters- 18 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves- Safety valve Stainless steel filter- Level control |



LDG

| code | description |
|-------------|--|
| V4405160013 | Stainless steel pressure tank LDG5 version 3,5 liters- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |
| V4410160013 | Stainless steel pressure tank LDG10 version 9 liters- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |
| V4420160013 | Stainless steel pressure tank LDG20 version 15 liters- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |



MDG

| code | description |
|-------------|--|
| V4012160013 | Stainless steel pressure tank MDG1 version 1 liter- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |
| V4432160013 | Stainless steel pressure tank MDG22 version 19,5 liters- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |
| V4424160013 | Stainless steel pressure tank MDG45 version 42,5 liters- 6 bar max pressure Air pressure regulator with manometer Inlet/outlet ball valves Safety valve - CE certificate |



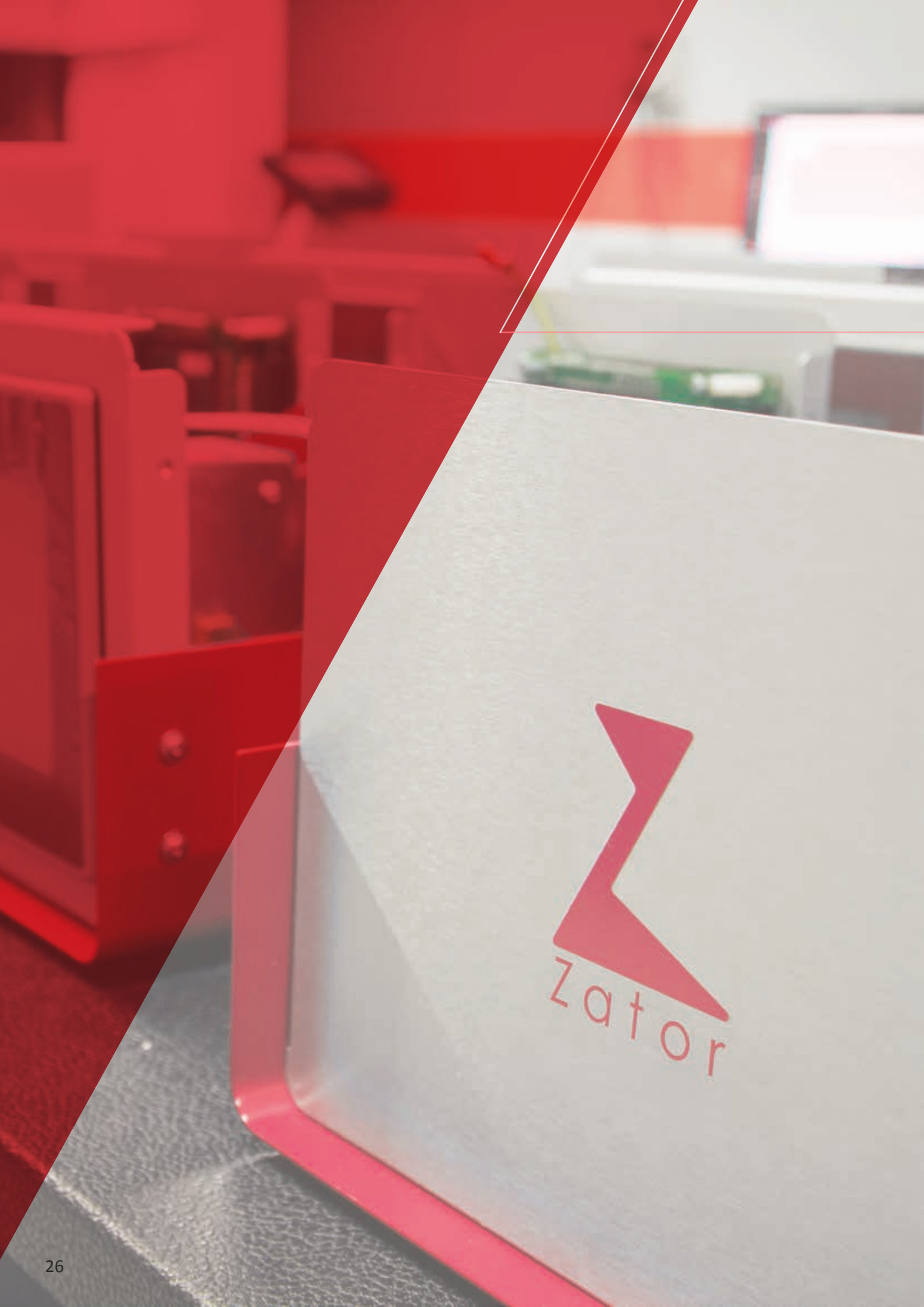
available optionals



Float level sensor kit



Y Filter



CONTROLS

LMZ microprocessor control

The LMZ microprocessor controls are designed and manufactured to be used on a wide array of high speed machines; their versatility makes them suitable for any application that require glue valves or elettropneumatic valves control in general. The controls can store up to 99 different programs and manage up to 96 valves (channels) independently, each of them capable to perform four or eight different glue lines.

The valves can work in line or dots mode, a programmable function allow to automatically switch from dots to line at a pre-programmed speed.

The control has been designed to work in two different modes:

- Encoder mode: used in pair with an encoder, in machines that runs in variable speeds
- Timer mode: used in machines that runs at constant speed

APPLICATION FIELDS

| |
|---------------------------|
| packaging |
| paper converting |
| case maker |
| printing machine |
| tobacco and wood industry |
| assembly |
| other |

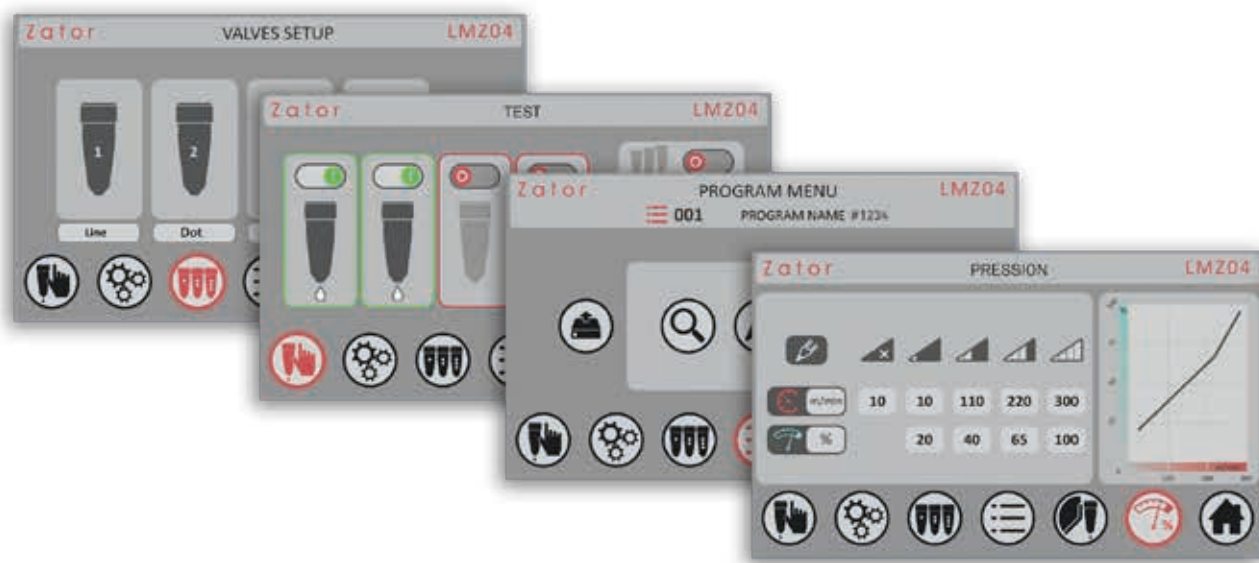
WORKING MODELS

| |
|---------|
| encoder |
| timer |

PROGRAMMABLE VERSIONS

| |
|-----------|
| packaging |
| collator |

FEATURES

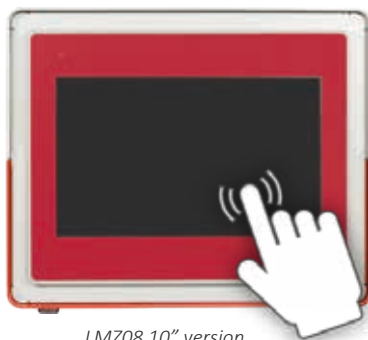


more simple. more intuitive.

The design of the graphic interface lets to the user to speed and simplify the learning of the basic functions of the instrument.



LMZ02 & LMZ04 7" version



LMZ08 10" version

touch screen panel

You won't need any other devices to operate on the instrument. Just use your fingers.

multi-languages text

Select your desired language and start programming.



3D view programming menu

You can keep an eye on all the glue patterns data, simplifying the reading and preventing possible mistakes during the programming.



integrable wi-fi router connection

Connect with wi-fi your mobile devices* like smartphone or tablet to the control to remotely control in real time the production and make any corrections to the program.

**Available for Android and iOS devices.*



| code | description |
|------|-------------|
|------|-------------|

- | | |
|-------|--|
| LMZ02 | <ul style="list-style-type: none"> • Programmable configuration in packaging or collator version • 99 programs stored • Application precision ± 1 mm @ 700 m/min • Working models: encoder or timer mode • 7" Touch screen panel TFT- 800X480 • Power supply 220 Volt, 50 Hz • Software included |
|-------|--|

Inputs:

- 2 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor

Outputs:

- 2 independent channels (valve)
- 1 nozzle shutter
- 1 proportional valve control (0-20 mA)
- 1 level glue output
- 2 optional free output



| code | description |
|------|-------------|
|------|-------------|

- | | |
|-------|--|
| LMZ04 | <ul style="list-style-type: none"> • Programmable configuration in packaging or collator version • 99 programs stored • Application precision ± 1 mm @ 700 m/min • Working models: encoder or timer mode • 7" Touch screen panel TFT- 800X480 • Power supply 220 Volt, 50 Hz • Software included |
|-------|--|

Inputs:

- 4 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor

Outputs:

- 4 independent channels (valve)
- 1 nozzle shutter
- 1 proportional valve control (0-20 mA)
- 1 level glue output
- 2 optional free output



code **description**

- MCZ02**
- Programmable configuration for can lids
 - Application precision ± 1 mm @ 700 m/min
 - Working models: timer mode
 - 7" Touch screen panel TFT- 800X480
 - Power supply 220 Volt, 50 Hz
 - Software included

Inputs:

- 2 proximity switch
- 1 glue reset, 1 glue level sensor

Outputs:

- 2 independent channels (valve)
- 1 nozzle shutter
- 1 level glue output
- 2 optional free output



code **description**

- MCZ04**
- Programmable configuration for can lids
 - Application precision ± 1 mm @ 700 m/min
 - Working models: timer mode
 - 7" Touch screen panel TFT- 800X480
 - Power supply 220 Volt, 50 Hz
 - Software included

Inputs:

- 4 proximity switch
- 1 glue reset, 1 glue level sensor

Outputs:

- 4 independent channels (valve)
- 1 nozzle shutter
- 1 level glue output
- 2 optional free output



available optionals

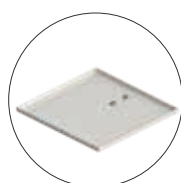
code **description**

KCN001520 LMZ02 standard kit connectors

KCN001540 LMZ04 standard kit connectors



Stand



Tray



LMZR remote panel

The LMZR remote panels allows for a more flexible installation, to adapt on a wide variety of machines.

The control power box is separated from the control screen side that, thanks to an adjustable bracket, can be mounted directly on the machine, the standard connection is made via cable, it is possible to integrate a wi-fi connection.

The LMZR features remains unchanged compared to the LMZ microprocessor control.

APPLICATION FIELDS

packaging

paper converting

case maker

printing machine

tobacco and wood industry

assembly

other

WORKING MODELS

encoder

timer

PROGRAMMABLE VERSIONS

packaging

collator

| code | description |
|------|-------------|
|------|-------------|

- | | |
|--------|---|
| LMZ04R | <ul style="list-style-type: none"> Remote control panel with 7" Touch screen TFT - 800x480 and electrical box Programmable configuration in packaging or collator version 99 programs stored Application precision ± 1 mm @ 700 m/min Working modes: encoder or timer mode Power supply 220 Volt, 50 Hz Software included |
|--------|---|

Inputs:

- 4 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor

Outputs:

- 4 independent channels (valve)
- 1 nozzle shutter
- 1 proportional valve control (0-20 mA)
- 1 level glue output
- 2 optional free output



| code | description |
|------|-------------|
|------|-------------|

- | | |
|--------|--|
| LMZ08R | <ul style="list-style-type: none"> Remote control panel with 10" Touch screen TFT - 800x480 and electrical box Programmable configuration in packaging or collator version 50 programs stored Application precision ± 1 mm @ 700 m/min Working modes: encoder or timer mode Power supply 220 Volt, 50 Hz Software included |
|--------|--|

Inputs:

- 8 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor

Outputs:

- 8 independent channels (valve)
- 1 nozzle shutter
- 1 proportional valve control (0-20 mA)
- 1 level glue output
- 2 optional free output



code description

- LMZ16R
- Remote control panel with 10" Touch screen TFT- 800x480 and electrical box
 - Programmable configuration in packaging or collator version
 - 50 programs stored
 - Application precision ± 1 mm @ 700 m/min
 - Working modes: encoder or timer mode
 - Power supply 220 Volt, 50 Hz
 - Software included

Inputs:

- 8 photocells, 1 encoder
- 1 glue reset, 1 glue level sensor

Outputs:

- 16 independent channels (valve)
- 1 nozzle shutter
- 1 proportional valve control (0-20 mA)
- 1 level glue output
- 2 optional free output



additional hardware available

code description

HRD00100 WI-FI router connection 

available optionals

code description

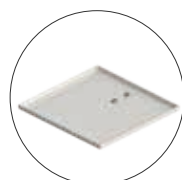
- KCN001540 LMZ04R standard kit connectors
- KCN001580 LMZ08R standard kit connectors
- KCN0015G0 LMZ16R standard kit connectors



Adjustable bracket for panel



Stand



Tray



3

ELECTROMAGNETIC VALVES

DLK valves

The most recent applications requires higher performances standards regarding speed and precision.

The electromagnetic valves are designed for the use with low viscosity glues or fluids on wide array of high speed machines, where an high frequency and precision of dots or lines, dispensed without contact, is required.

No air supply is needed, the reliability of these valves grant a long working life.

APPLICATION FIELDS

| |
|-------------------|
| packaging |
| paper converting |
| case maker |
| printing machines |
| tobacco industry |
| assembly |
| food industry |

FLUID TYPES

| |
|--------------------------|
| cold adhesives and glues |
| inks |
| paints |
| mastics |
| low viscosity fluids |

APPLICATION TYPES

| |
|----------------|
| dots |
| dots and lines |
| spray |

DLK16

It's an high-speed dispenser of low and viscosity glues, adhesives and fluids (max 800 mPas) designed to dispense glue dots.

The DLK16 is controlled by a Zator's microprocessor control or by an external control after testing and approval of Zator company.

Full stainless steel valve, zero cavity short nozzle, needle with ceramic ball.

The scaled micrometric adjustment allows a fine control of dot size.



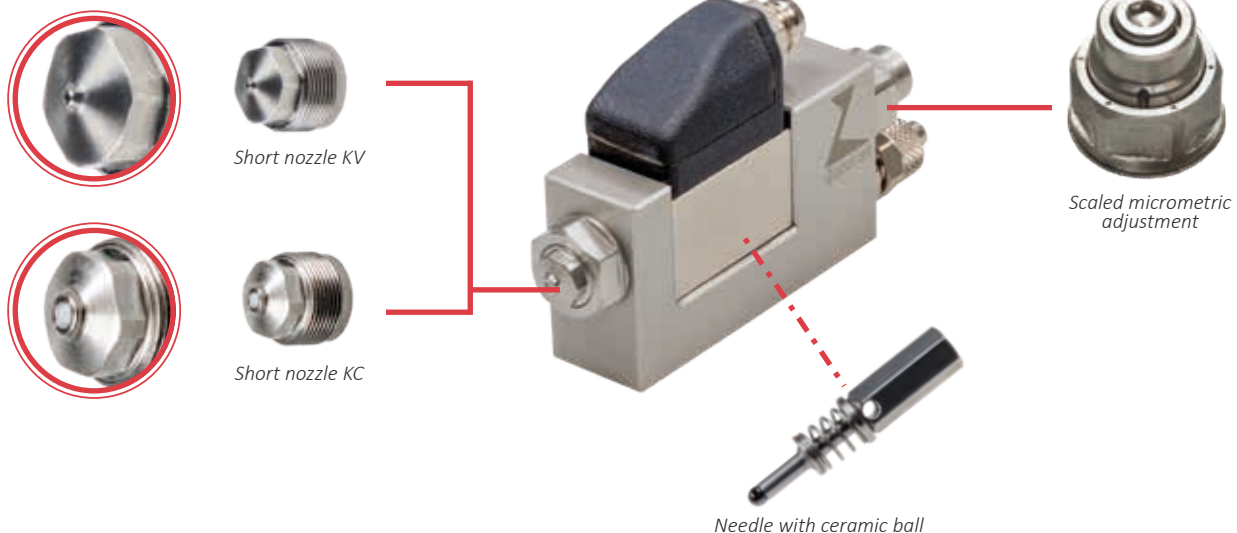
Dots

technical data

| | |
|----------------------------|----------------------|
| Available nozzle diameters | from 0,15 to 0,80 mm |
| Valve body | stainless steel |
| Maximum fluid viscosity | ~ 800 mPas |
| Maximum working pressure | 6 bar |
| Fluid supply connection | M5 |
| Maximum working frequency | 1000 dots/sec. |
| Coil | 6 Volt |
| Weight | 170 g |



| code | description |
|--|--|
| EA02D01XXX | Electromagnetic valve DLK16KV 6 Volt |
| <i>Replace XXX value with nozzle diameter desired Available nozzle diameters from 0,30 to 0,80 mm</i> | |
| EA14E01XXX | Electromagnetic valve DLK16KC 6 Volt with ceramic tip nozzle |
| <i>Replace XXX value with nozzle diameter desired Available nozzle diameters 0,15 - 0,20 - 0,30 mm</i> | |
| WCB322505 | Cable DLK16 length 5 mt |



DLK22KV - LV

Electromagnetic valve for high speed glue dots application for low viscosity glues, adhesives and fluids.

Full stainless steel valve, zero cavity short nozzle (KV) or long nozzle (LV), needle with ceramic ball.

The micrometric adjustment allows a fine control of the dots size.



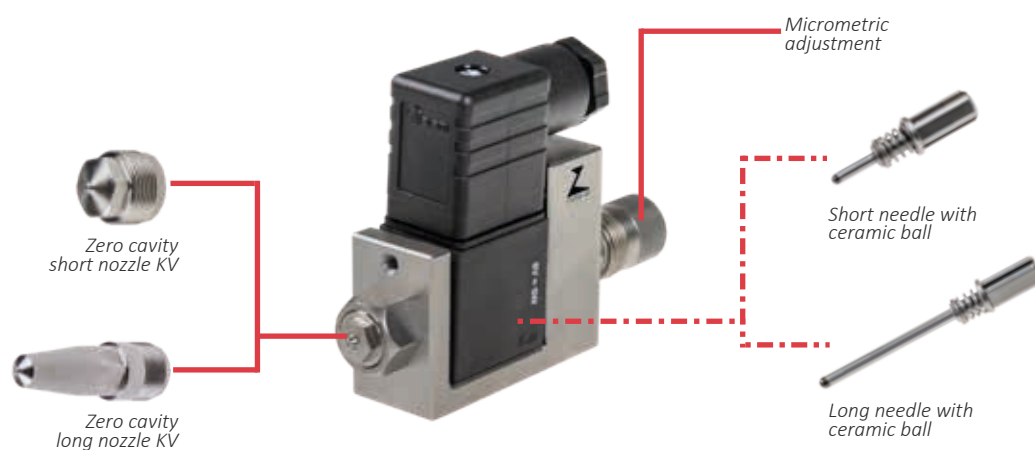
Dots and lines

technical data

| | |
|----------------------------|--------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Valve body | stainless steel |
| Maximum fluid viscosity | ~ 2500 mPas |
| Maximum working pressure | 25 bar |
| Maximum working frequency | 350 dots/sec. |
| Coil | 6, 12 or 24 Volt |
| Weight | 330 g |

| code | description |
|--|--|
| B2755XX00 | Electromagnetic valve DLK22KV 24 Volt |
| B2760XX00 | Electromagnetic valve DLK22KV 6 Volt |
| <i>Replace XX value with nozzle diameter desired Available nozzle diameters from 0,3 to 1,5 mm</i> | |
| B2765XX00 | Electromagnetic valve DLK22LV 24 Volt |
| B2780XX00 | Electromagnetic valve DLK22LV 12 Volt |
| B2770XX00 | Electromagnetic valve DLK22LV 6 Volt |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*

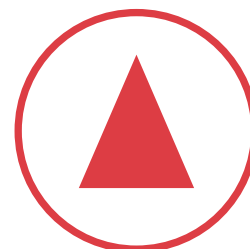


DLK22S

Electromagnetic valve for high speed glue spray application for low viscosity glues, adhesives and fluids.

Full stainless steel valve, equipped with a self-cleaning needle and stainless steel spray nozzle and air caps with non-stick coating.

The micrometric adjustment allows a fine control of the glue quantity.



Spray

technical data

| | |
|----------------------------|--------------------------------|
| Available nozzle diameters | 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm |
| Valve body | stainless steel |
| Maximum fluid viscosity | ~ 2000 mPas |
| Maximum working pressure | 8 bar |
| Coil | 6 or 24 Volt |
| Weight | 340 g |



| code | description |
|-----------|--|
| B2748XX00 | Electromagnetic valve DLK22S 24 V round cap |
| B2749XX00 | Electromagnetic valve DLK22S 24 V flat cap |
| B2750XX00 | Electromagnetic valve DLK22S 6 V round cap |
| B2751XX00 | Electromagnetic valve DLK22S 6 V flat cap |

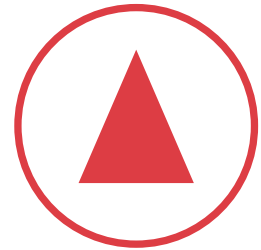
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



VLK22S

The VLK22S valve is the evolution of the previous electromagnetic spray valves: sturdier, with improved performances and accuracy.

This new design takes advantage of the electromagnetic properties of the coil which is the same of the VH2 valve. The valve is fully stainless steel made, with self-cleaning needle, the micrometric adjustment allows a fine tuning of the quantity of product dispensed, the stainless steel spray nozzle and air caps are non-stick coated.



Spray

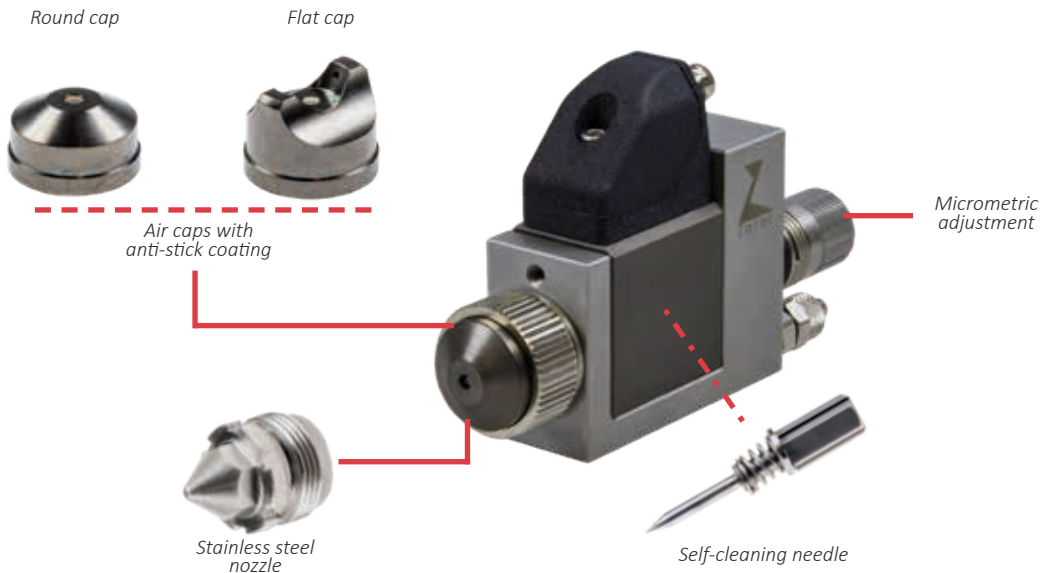
technical data

| | |
|----------------------------|--------------------------------|
| Available nozzle diameters | 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm |
| Valve body | stainless steel |
| Maximum fluid viscosity | ~ 3000 mPas |
| Maximum working pressure | 8 bar |
| Coil | 6 or 24 Volt |
| Weight | 410 g |



| code | description |
|-----------|--|
| V2748XX00 | Electromagnetic valve VLK22S 24 V round cap |
| V2749XX00 | Electromagnetic valve VLK22S 24 V flat cap |
| V2750XX00 | Electromagnetic valve VLK22S 6 V round cap |
| V2751XX00 | Electromagnetic valve VLK22S 6 V round cap |

Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm



VH2KV - LV

The VH2 valve is the evolution of the previous generation of electromagnetic valves: sturdier, with improved performances and accuracy.

This new design takes advantage of the electromagnetic properties of the coil which is now a structural part of the valve itself; the coil can also be mounted on previous generation of valves ensuring, performance upgrade without the need of replacing the valve completely.

The valve is fully stainless steel made, zero cavity nozzles are available, needle with ceramic ball, the micrometric adjustment allows a fine tuning of dot size.

No air supply is needed, the reliability of these valves grant a long working life without any service.



Dots and lines

technical data

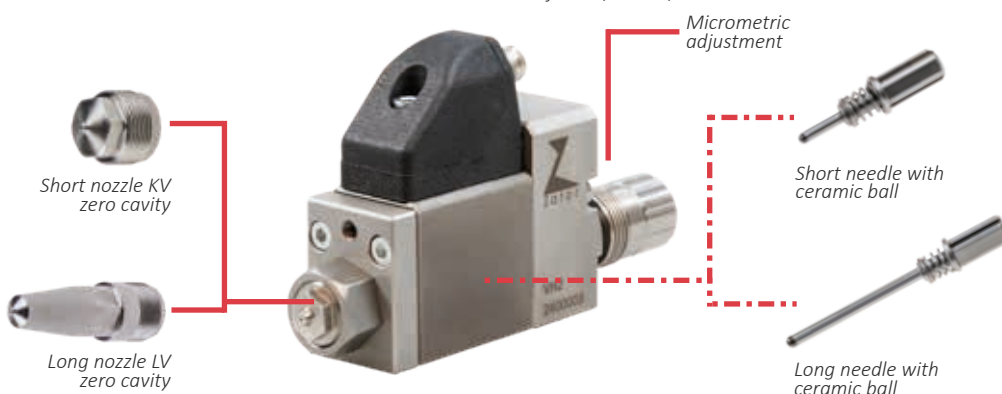
| | |
|----------------------------|----------------------|
| Available nozzle diameters | from 0,30 to 1,50 mm |
| Valve body | stainless steel |
| Maximum fluid viscosity | ~ 3000 mPass |
| Maximum working pressure | 35 bar |
| Maximum working frequency | 500 dots/sec. |
| Coil | 6, 12 or 24 Volt |
| Weight | 330 g |



| code | description |
|---|--|
| EH01C01XXX | Electromagnetic valve VH2LV 24 Volt |
| EG01C01XXX | Electromagnetic valve VH2LV 12 Volt |
| EF01C01XXX | Electromagnetic valve VH2LV 6 Volt |
| <i>Replace XXX value with nozzle diameter desired Available nozzle diameters from 0,30 to 1,50 mm</i> | |
| EH02C01XXX | Electromagnetic valve VH2KV 24 Volt |
| EG02C01XXX | Electromagnetic valve VH2KV 12 Volt |
| EF02C01XXX | Electromagnetic valve VH2KV 6 Volt |



*Replace XXX value with nozzle diameter desired
Available nozzle diameters from 0,30 to 1,50 mm*





4

ELECTROPNEUMATIC SPRAY VALVES

MMZF - MF1 - MZS - MZF360 - MZS360 valves

Spray valves electro-pneumatically driven, they are used to spray a huge variety of low viscosity glues adhesives and fluids. Sturdy and compact sized, the nozzles and the air cap are non-stick coated, the needle is self-cleaning, all measures that will grant a long working life.

In the electropneumatic spray valves, the micrometric adjustment can be installed, allowing a more precise control of the amount of dispensed fluid.



FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST

APPLICATION FIELDS

packaging

paper converting

case maker

wood industry

assembly

food industry

FLUID TYPES

adhesives and glues

inks

paints

lubricants

low viscosity fluid

APPLICATION TYPES

spray

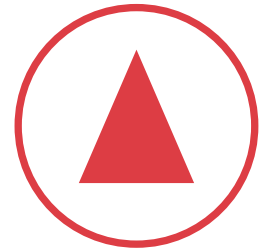
spray 360°

MMZF

Compact size spray valve for low viscosity glues, adhesives and fluids, its design and versatility make it suitable for every application requiring the use of micro-spray valves.

The valve is pneumatically controlled by external solenoid valves, sturdy and very compact sized, it has the peculiarity of nozzle and the cap with non-stick coating.

The micrometric adjustment allows a fine tuning of the dispensed fluid quantity.



Spray

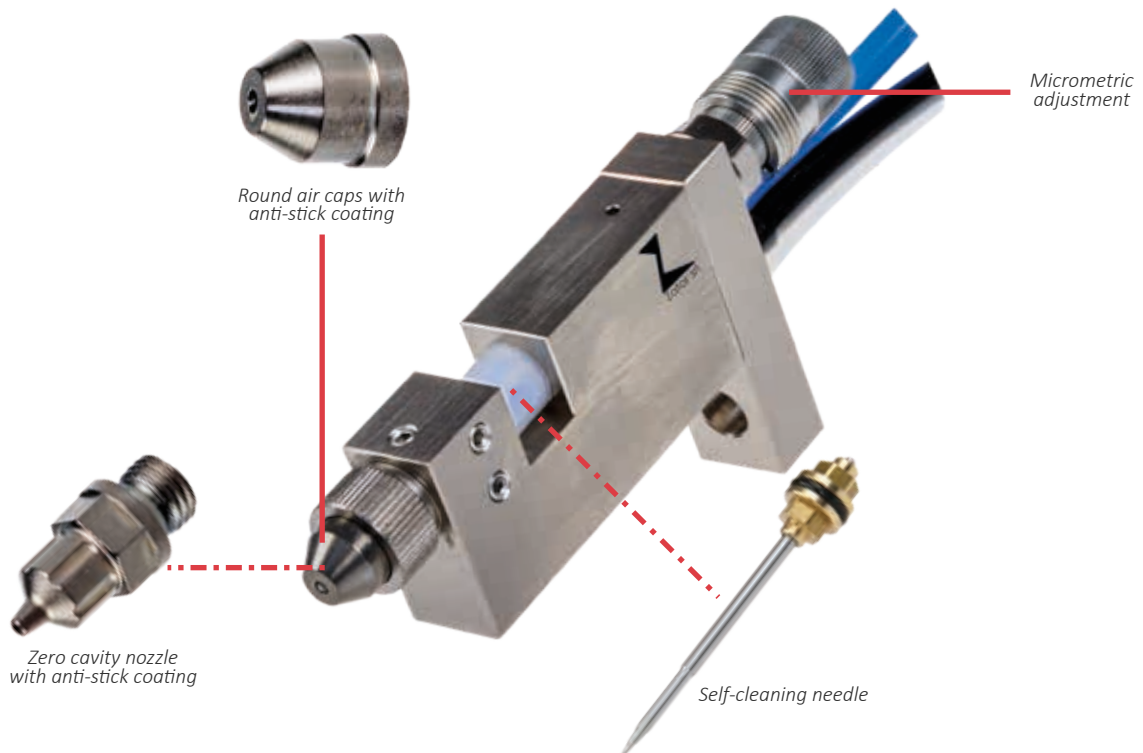
technical data

| | |
|----------------------------|---------------------|
| Available nozzle diameters | from 0,5 to 1,5 mm |
| Air pressure control | min. 5 bar |
| Drive type | simple action |
| Maximum working pressure | 6 bar |
| Nebulization pressure | from 0,5 to 2,5 bar |
| Weight | 270 g |



| code | description |
|------------|-------------------------------|
| MMZF01XXRM | Spray valve MMZF XX round cap |

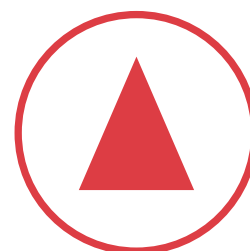
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 - 0,8 - 1,0 - 1,5 mm*



MF1

Spray valve for low viscosity glues, adhesives and fluids, its design make it suitable for every application requiring the use of spray valves.

The valve is pneumatically controlled by external solenoid valves, sturdy and compact sized, it has the peculiarity of nozzle and the cap with non-stick coating. Available with screw or micrometric adjustment, with round or oval cap and in different nozzles diameters, the micrometric adjustment allows a fine tuning of the dispensed fluid quantity.



Spray

technical data

| | |
|----------------------------|---------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 4 bar |
| Drive type | simple action |
| Maximum working pressure | 25 bar |
| Nebulization pressure | from 0,5 to 2,5 bar |
| Weight | 370 g |



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|--------------------------------|
| MF3RB00XX0 | Spray valve MF1NR round cap |
|------------|--------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------|
| MF3FB00XX0 | Spray valve MF1NR flat cap |
|------------|-------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|--------------------------------|
| MF3RC00XX0 | Spray valve MF1RM round cap |
|------------|--------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------|
| MF3FC00XX0 | Spray valve MF1RM flat cap |
|------------|-------------------------------|

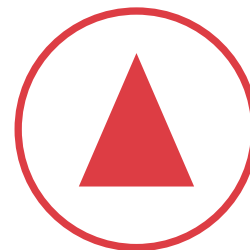
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



MZS

Spray valve for low and medium viscosity glues, adhesives and fluids, complete with solenoid control valve; to control the nebulization air an external electrovalve is needed.

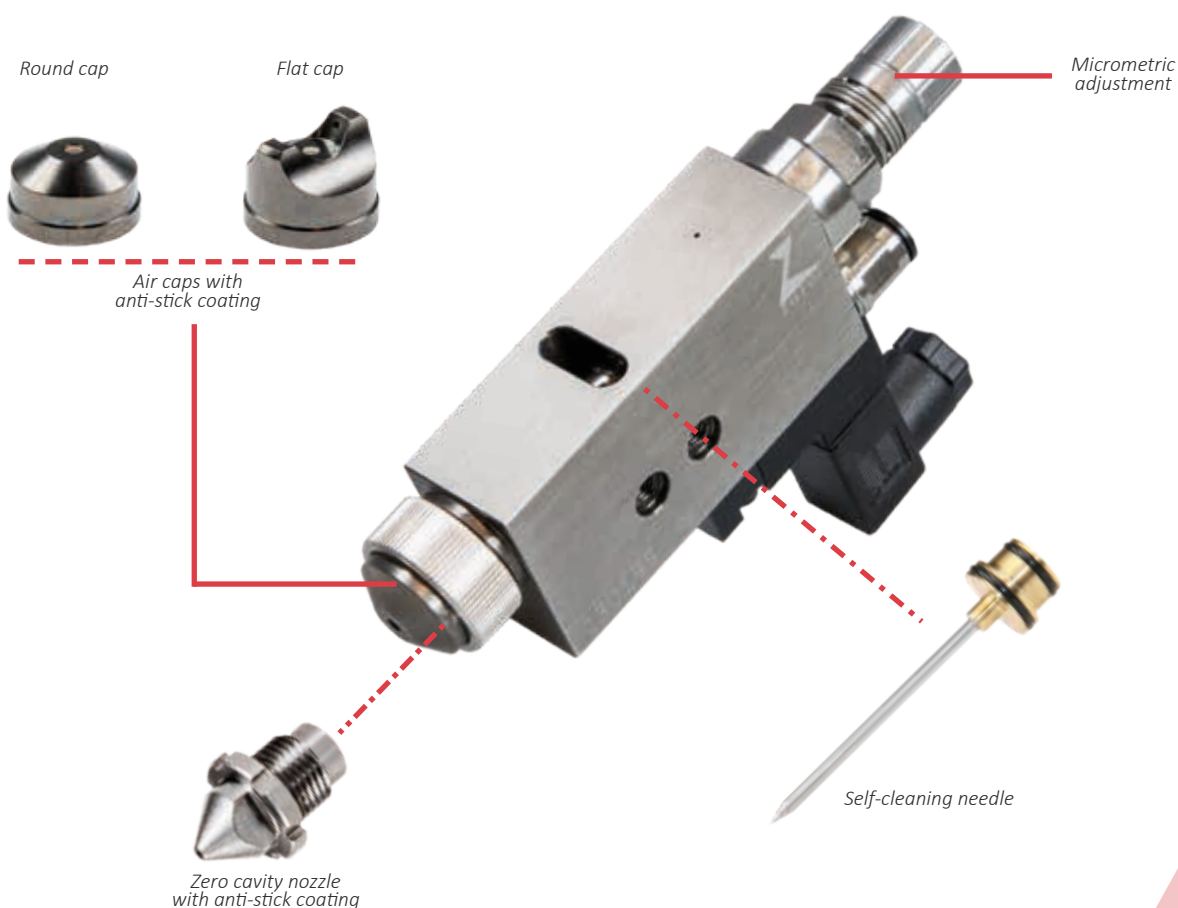
Sturdy and compact sized, it has the peculiarity of nozzle and the cap with non-stick coating. Available with round or oval cap and in different nozzles diameters, the micrometric adjustment allows a fine tuning of the dispensed fluid quantity.



Spray

technical data

| | |
|----------------------------|---------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 5 bar |
| Drive type | double action |
| Maximum working pressure | 25 bar |
| Coil | 24 Volt |
| Nebulization pressure | from 0,5 to 2,5 bar |
| Weight | 510 g |



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|--|
| C3451XX00 | Spray valve MZS1XXSRRM round cap 24 V |
|-----------|--|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3454XX00 | Spray valve MZS1XXSFRM flat cap 24 V |
|-----------|---|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 - 0,5 - 0,8 - 1,0 - 1,5 mm*



available optionals

| code | description |
|------|-------------|
|------|-------------|

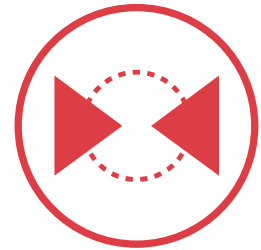
| | |
|----------|-------------------------------|
| PDG00100 | Nebulization air control unit |
|----------|-------------------------------|

MZF360

Spray valve for low viscosity glues, adhesives and fluids. Developed specifically for applications inside objects such as pipes, o-ring seats or in those areas that are difficult to reach with conventional spray valves.

The valve is pneumatically controlled by external solenoid valves.

The micrometric adjustment allows a fine control of the glue quantity.



Spray 360°

technical data

| | |
|-----------------------------|---------------------|
| Spray extension diameter | 8 mm |
| Available extension lengths | from 20 to 200 mm |
| Air pressure control | min. 5 bar |
| Drive type | simple action |
| Maximum working pressure | 6 bar |
| Nebulization pressure | from 0,5 to 2,5 bar |
| Weight | 460 g |



code

description

| | |
|-----------|---|
| C38105020 | Spray valve MZF360 extension diam. 8 mm L=20 mm |
| C38105030 | Spray valve MZF360 extension diam. 8 mm L=30 mm |
| C38105050 | Spray valve MZF360 extension diam. 8 mm L=50 mm |
| C38105100 | Spray valve MZF360 extension diam. 8 mm L=100 mm |
| C38105200 | Spray valve MZF360 extension diam. 8 mm L=200 mm |



End-part for 360 degrees spray application



Micrometric adjustment

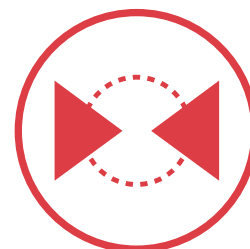
Available extension lengths from 20 up to 200 mm

MZS360

Spray valve for low and medium viscosity glues, adhesives and fluids complete with solenoid control valve; to control the nebulization air an external electrovalve is needed.

Developed specifically for applications inside objects such as pipes, o-ring seats or in those areas that are difficult to reach with conventional spray valves.

The micrometric adjustment allows a fine control of the glue quantity.



Spray 360°

technical data

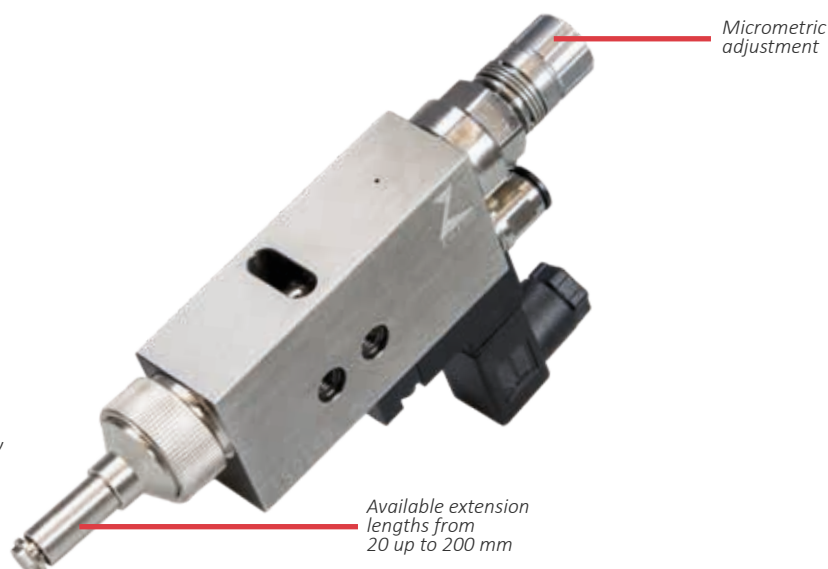
| | |
|-----------------------------|---------------------|
| Spray extension diameter | 8 mm |
| Available extension lengths | from 20 to 200 mm |
| Air pressure control | min. 5 bar |
| Drive type | double action |
| Maximum working pressure | 25 bar |
| Nebulization pressure | from 0,5 to 2,5 bar |
| Coil | 24 Volt |
| Weight | 580 g |



| code | description |
|-----------|---|
| C38505020 | Spray valve MZS360 extension diam. 8 mm L=20 mm |
| C38505030 | Spray valve MZS360 extension diam. 8 mm L=30 mm |
| C38505050 | Spray valve MZS360 extension diam. 8 mm L=50 mm |
| C38505100 | Spray valve MZS360 extension diam. 8 mm L=100 mm |
| C38505200 | Spray valve MZS360 extension diam. 8 mm L=200 mm |



End-part for 360 degrees spray application





5

ELECTROPNEUMATIC EXTRUSION VALVES

MZD - MV1 - MK1 - M250 - MZB200 - MZK - SB
valves

The electropneumatic valves are used to extrude glues, adhesives and fluid from low to high viscosity.

Sturdy and compact sized, the valves can be equipped with a wide array of nozzles, designed to meet the needs of different applications.

The dispensing is accurate, reliable in the long time, ensuring the dispensing of the right amount of product.



FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST

APPLICATION FIELDS

packaging

paper converting

case maker

wood industry

assembly

food industry

FLUID TYPES

adhesives and glues

inks

paints

lubricants

low, medium and high
viscosity fluids

APPLICATION TYPES

dots and lines

MZD100

Compact size electro-pneumatic extrusion valve for low/medium viscosity glues, adhesives and fluids with solenoid valve, micrometric adjustment and drive with simple action piston. Valve body with anti-stick coating, tungsten carbide needle and stainless steel nozzle.

The micrometric adjustment allows a fine control of the glue quantity. A wide range of nozzles is available for every application needs.



Dots and lines

technical data

| | |
|----------------------------|--------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 6 bar |
| Drive type | simple action |
| Maximum working pressure | 30 bar |
| Maximum working frequency | 40 dots/sec. |
| Coil | 24 Volt |
| Weight | 230 g |



Available nozzles



Micrometric adjustment

Valve body with anti-stick coating

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------------|
| ZD01C02XX0 | Extrusion valve MZD1XXLV 24 Volt |
|------------|-------------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------------|
| ZD02C02XX0 | Extrusion valve MZD1XXKV 24 Volt |
|------------|-------------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------------|
| ZD07C02018 | Extrusion valve MZD10018 24 Volt |
|------------|-------------------------------------|



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------------|
| ZD06C02001 | Extrusion valve MZD100MG 24 Volt |
|------------|-------------------------------------|



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| ZD04C02XX0 | Extrusion valve MZD1XXKL 10 mm 24 Volt |
|------------|---|

| | |
|------------|--|
| ZD05C02XX0 | Extrusion valve MZD1XXKL 7 mm 24 Volt |
|------------|--|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-------------------------------------|
| ZD09C02005 | Extrusion valve MZD100SY 24 Volt |
|------------|-------------------------------------|



MV1

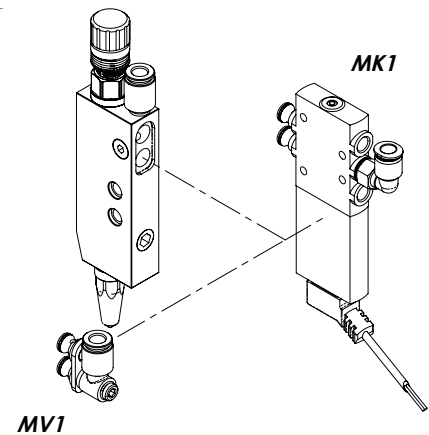
The extrusion valve MV1 is a dispenser of glues, adhesives and fluids, from low to high viscosity. Designed to be used on a variety of machines, is a pneumatically triggered, single or double acting, compact valve. Has a tungsten carbide needle, the main body is machined from solid metal with non-stick coating, providing a sturdy and easy maintenance valve. The MV1 can be equipped with a vast array of stainless steel nozzles. The micrometric adjustment (optional), allows for a more precise control of the quantity of the dispensed fluid, avoiding product waste. The MV1 can be activated even via an electropneumatic, 5 ways valve, in this case, it takes the name of MK1). Both solutions are compatible and interchangeable even after purchase.



Dots and line

technical data

| | |
|----------------------------|-------------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 5 bar |
| Drive type | single or double action |
| Maximum working pressure | 80 bar |
| Weight | 380 g |



Screw

Micrometric



Adjustment

Available nozzles



Valve body with anti-stick coating

| code | description |
|-----------|--|
| C3311XX00 | Extrusion valve MZV4XXKVNR screw adjustment |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|-----------|---|
| C3321XX00 | Extrusion valve MZV4XXKVRM adj. with micrometric knob |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|-----------|--|
| C3312XX00 | Extrusion valve MZV4XXLVNR screw adjustment |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|-----------|---|
| C3322XX00 | Extrusion valve MZV4XXLVRM adj. with micrometric knob |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|-----------|--|
| C3311XX01 | Extrusion valve MZV4XXKLNLR 7 mm screw adjustment |
| C3322XX00 | Extrusion valve MZV4XXKLNLR 10 mm screw adjustment |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*



| code | description |
|-----------|---|
| C3321XX01 | Extrusion valve MZV4XXKLRM 7 mm adj. with micrometric knob |
| C3321XX02 | Extrusion valve MZV4XXKLRM 10 mm adj. with micrometric knob |

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|--|
| C33110005 | Extrusion valve MZV400SYNR screw adjustment |
|-----------|--|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C33210005 | Extrusion valve MZV400SYRM adj. with micrometric knob |
|-----------|---|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|--|
| C33110018 | Extrusion valve MZV40018NR screw adjustment |
|-----------|--|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C33210018 | Extrusion valve MZV40018RM adj. with micrometric knob |
|-----------|---|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|--|
| C33110006 | Extrusion valve MZV400MGNR screw adjustment |
|-----------|--|



| code | description |
|------|-------------|
|------|-------------|

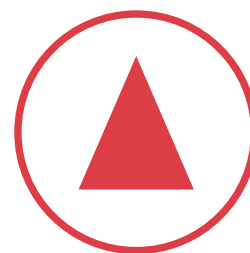
| | |
|-----------|---|
| C33210006 | Extrusion valve MZV400MGRM adj. with micrometric knob |
|-----------|---|



MV1 AIRLESS

The MV1 AirLess valve is a dispenser for low and medium viscosity fluids. Product atomization takes place without the use of compressed air, the combination of product pressure and airless nozzle design produces a fan-type atomization effect.

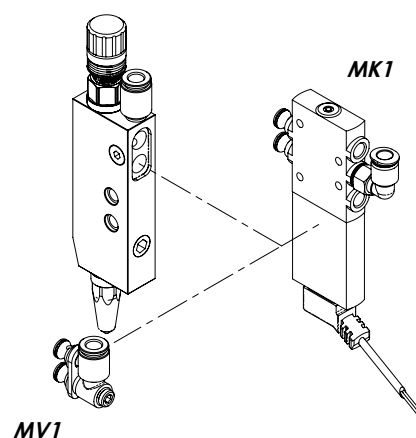
The valve maintains the same characteristics as the MV1 and, thanks to the micrometer adjustment (optional), it is possible to control the quantity of fluid dispensed more precisely, avoiding product waste.



Airless

technical data

| | |
|--------------------------|-------------------------|
| Air pressure control | min. 5 bar |
| Drive type | single or double action |
| Maximum working pressure | 80 bar |
| Weight | 380 g |



Available nozzles

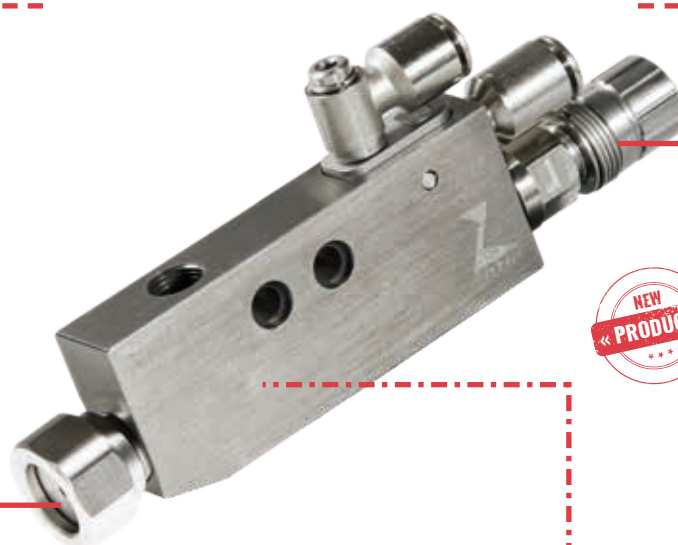


Screw



Micrometric

Adjustment



Valve body with anti-stick coating

code description

MV40B00200 Extrusion valve MV1MGNR
AirLess screw adjustment



code description

MV40C00200 Extrusion valve MV1MGRM
AirLess adj. with micrometric knob



MK1

The extrusion valve MK1 is a high frequency dispenser of glues, adhesives and fluids, from low to high viscosity.

Designed to be used on a variety of machines, is a pneumatically triggered, single or double acting, compact valve.

Has a tungsten carbide needle, the main body is machined from solid metal with non-stick coating, providing a sturdy and easy maintenance valve. The MK1 can be equipped with a vast array of stainless steel nozzles. The micrometric adjustment (optional), allows for a more precise control of the quantity of the dispensed fluid, avoiding product waste. The MK1 can also be operated completely pneumatically, in this case, it takes the name of MV1.

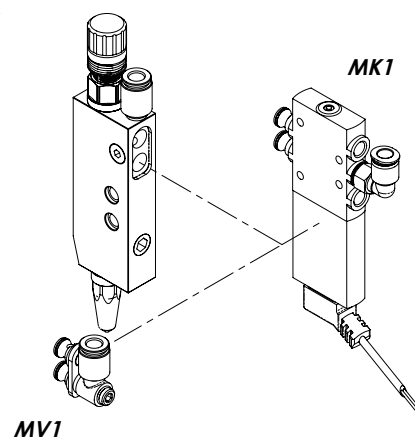
Both solutions are compatible and interchangeable even after purchase.



Dots and lines

technical data

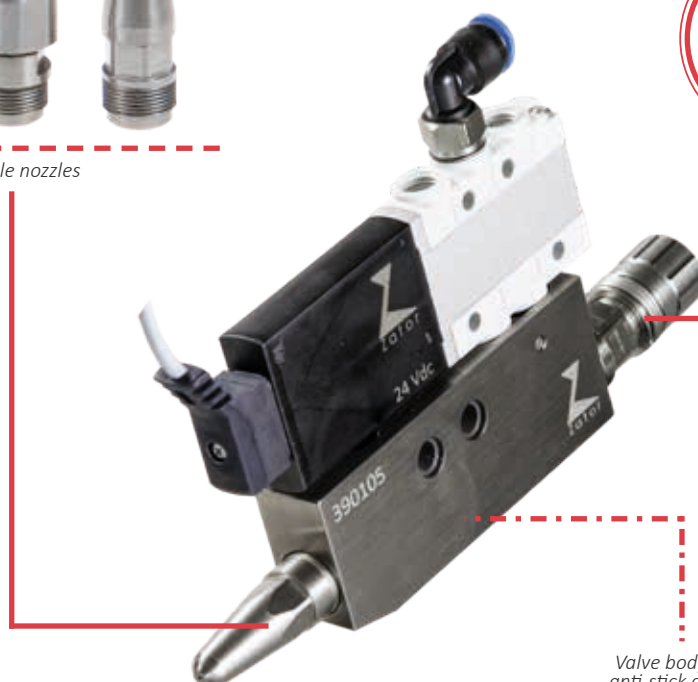
| | |
|----------------------------|--------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 5 bar |
| Drive type | double action |
| Maximum working pressure | 80 bar |
| Coil | 24V |
| Maximum working frequency | 80 dots/sec. |
| Weight | 380 g |



Available nozzles



Adjustment



Valve body with anti-stick coating

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK01B00XX0 | Extrusion valve MK1LVNR screw adjustment |
|------------|---|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK01C00XX0 | Extrusion valve MK1LVRM adj. with micrometric knob |
|------------|---|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK09B00150 | Extrusion valve MK1SYNR screw adjustment |
|------------|---|

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK09C00150 | Extrusion valve MK1SYRM adj. with micrometric knob |
|------------|---|

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK06B00200 | Extrusion valve MK1MGNR screw adjustment |
|------------|---|

| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|---|
| MK06C00200 | Extrusion valve MK1MGMR adj. with micrometric knob |
|------------|---|



MZB200

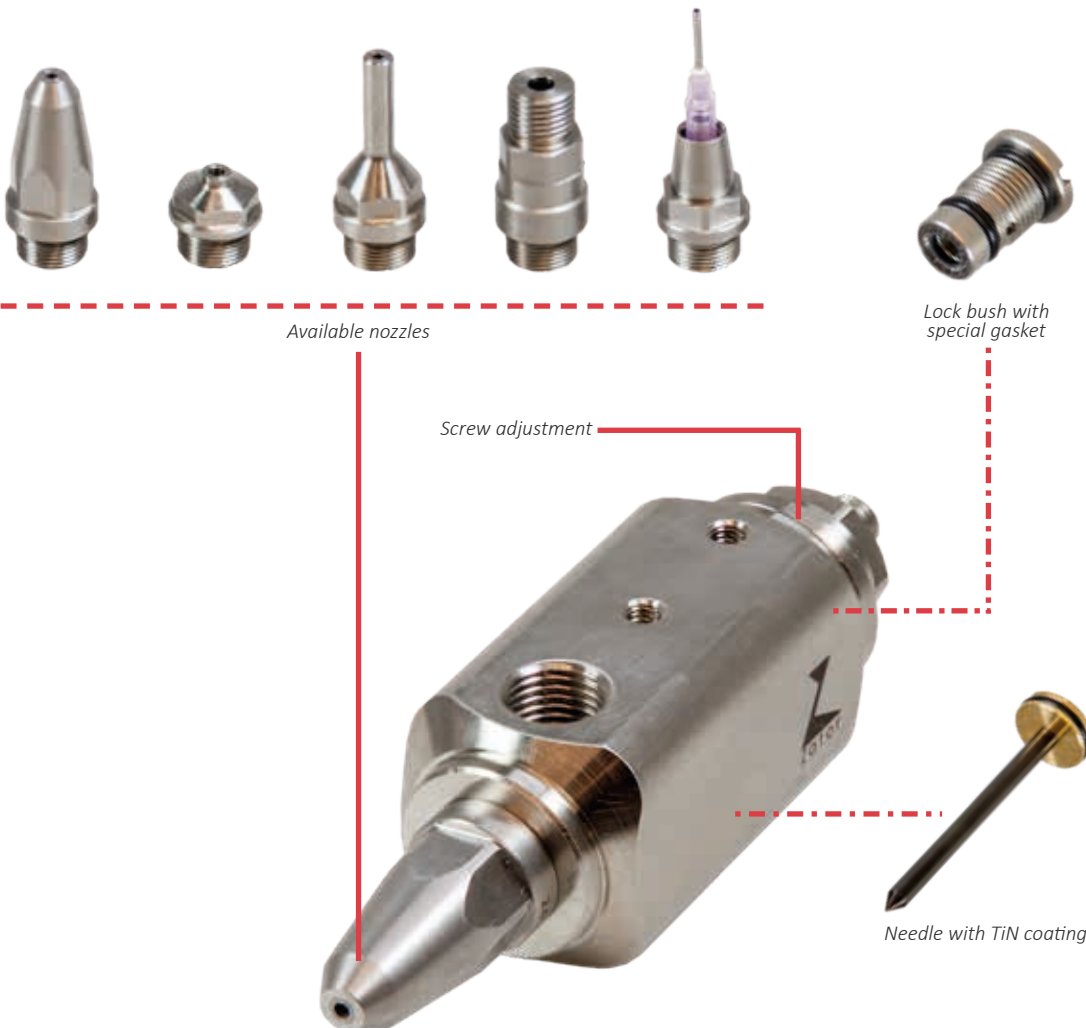
Electropneumatic dispenser designed for medium/high viscosity fluids. The valve is pneumatically controlled by external solenoid valves. Brass body with nickel coating, wear resistant titanium coated needle. A wide range of stainless steel nozzles is available for every application needs.



Dots and lines

technical data

| | |
|----------------------------|-------------------------|
| Available nozzle diameters | from 2,0 to 5,0 mm |
| Air pressure control | min. 5 bar |
| Drive type | simple or double action |
| Maximum working pressure | 150 bar |
| Weight | 490 g |



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-----------------------------|
| ZB01B04XX0 | Extrusion valve MZB2XXLV |
|------------|-----------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 2,0 to 5,0 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-----------------------------|
| ZB02B04XX0 | Extrusion valve MZB2XXKV |
|------------|-----------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 2,0 to 5,0 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-----------------------------------|
| ZB05B04XX0 | Extrusion valve MZB2XXKL 10 mm |
|------------|-----------------------------------|

| | |
|------------|-----------------------------------|
| ZB26B04XX0 | Extrusion valve MZB2XXKL 15 mm |
|------------|-----------------------------------|

| | |
|------------|-----------------------------------|
| ZB27B04XX0 | Extrusion valve MZB2XXKL 20 mm |
|------------|-----------------------------------|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 2,0 to 5,0 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|----------------------------------|
| ZB08B04000 | Extrusion valve MZB20014 1/4" |
|------------|----------------------------------|



| code | description |
|------|-------------|
|------|-------------|

| | |
|------------|-----------------------------|
| ZB09B04000 | Extrusion valve MZB200SY |
|------------|-----------------------------|



MZK

Electro-pneumatic extrusion valve for low/medium viscosity glues, adhesives and fluids with solenoid valve. Valve body with anti-stick coating, tungsten carbide needle and stainless steel nozzle. The micrometric adjustment allows a fine control of the glue quantity.

A wide range of nozzles is available for every application needs.



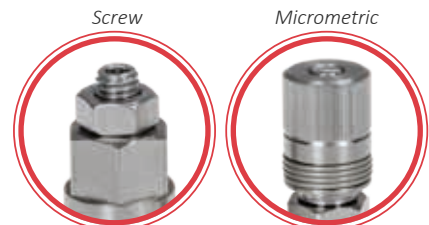
Dots and lines

technical data

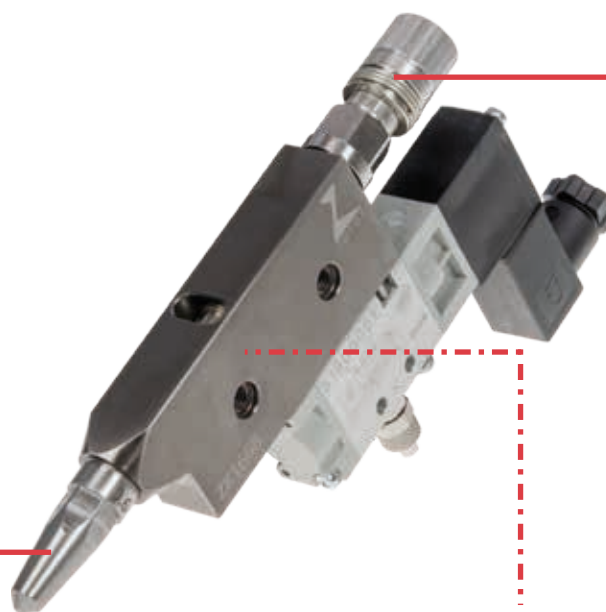
| | |
|----------------------------|--------------------|
| Available nozzle diameters | from 0,3 to 1,5 mm |
| Air pressure control | min. 5 bar |
| Drive type | double action |
| Maximum working pressure | 80 bar |
| Maximum working frequency | 20 dots/sec. |
| Coil | 24 Volt |
| Weight | 330 g |



Available nozzles



Adjustment

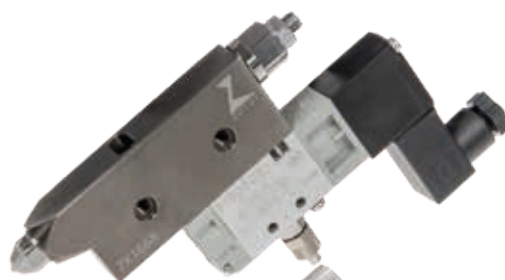


Valve body with anti-stick coating

| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3251XX00 | Extrusion valve MZK4XXKVNR 24 Volt screw adjustment |
|-----------|---|

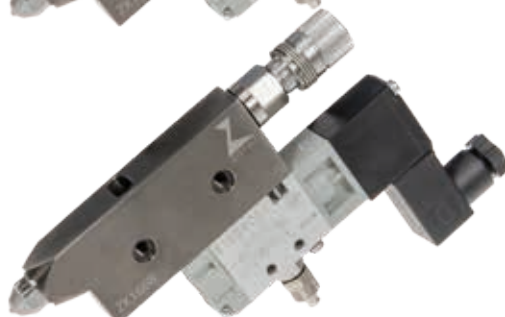
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3261XX00 | Extrusion valve MZK4XXKVRM 24 Volt adj. with micrometric knob |
|-----------|---|

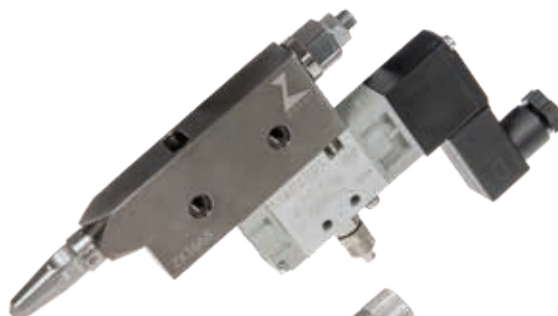
*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3254XX00 | Extrusion valve MZK4XXLVNR 24 Volt screw adjustment |
|-----------|---|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3264XX00 | Extrusion valve MZK4XXLVRM 24 Volt adj. with micrometric knob |
|-----------|---|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,3 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3251XX01 | Extrusion valve MZK4XXKLNLR 7 mm 24 Volt screw adjustment |
|-----------|---|

| | |
|-----------|--|
| C3251XX02 | Extrusion valve MZK4XXKLNLR 10 mm 24 Volt screw adjustment |
|-----------|--|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*

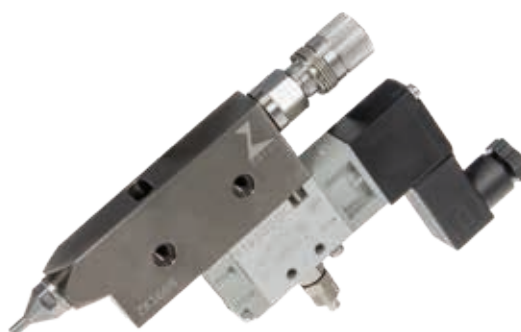


| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C3261XX01 | Extrusion valve MZK4XXKLRLM 7 mm 24 Volt adj. with micrometric knob |
|-----------|---|

| | |
|-----------|--|
| C3261XX02 | Extrusion valve MZK4XXKLRLM 10 mm 24 Volt adj. with micrometric knob |
|-----------|--|

*Replace XX value with nozzle diameter desired
Available nozzle diameters from 0,5 to 1,5 mm*



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32510005 | Extrusion valve MZK400SYNR 24 Volt screw adjustment |
|-----------|---|



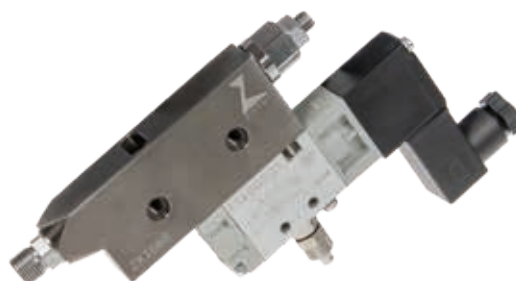
| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32610005 | Extrusion valve MZK400SYRM 24 Volt adj. with micrometric knob |
|-----------|---|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32510018 | Extrusion valve MZK40018NR 24 Volt screw adjustment |
|-----------|---|



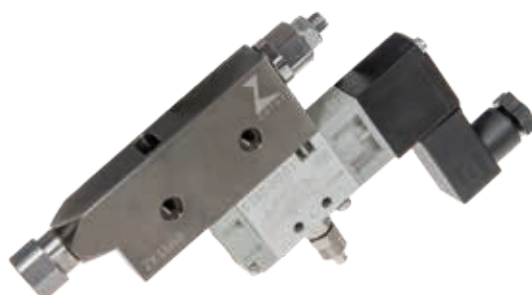
| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32610018 | Extrusion valve MZK40018RM 24 Volt adj. with micrometric knob |
|-----------|---|



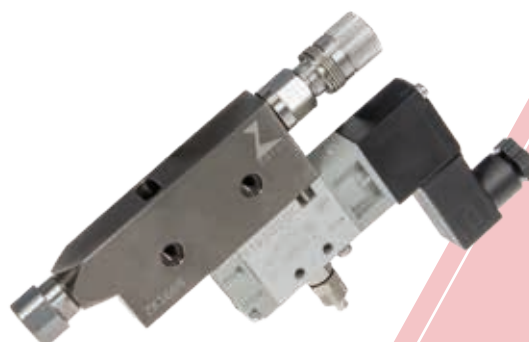
| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32510006 | Extrusion valve MZK400MGNR 24 Volt screw adjustment |
|-----------|---|



| code | description |
|------|-------------|
|------|-------------|

| | |
|-----------|---|
| C32610006 | Extrusion valve MZK400MGRM 24 Volt adj. with micrometric knob |
|-----------|---|



SB

The electropneumatic snuff back valve SB has been designed for the use on a wide array of machines, it's a dispenser of medium and high viscosity glues, adhesives and fluids.

The SB valve is the ideal choice for applications that require high amount of fluid to be dispensed, is pneumatically controlled by one external solenoid valve.



Dots and lines

technical data

| | |
|----------------------------|----------------------|
| Available nozzle diameters | from 1,00 to 4,00 mm |
| Valve body | nickel brass |
| Maximum working pressure | max 50 bar |
| Air pressure control | min. 5 bar |
| Drive type | simple action |
| Cycle time | 40 ms |
| Weight | 520 g |

| code | description |
|------------|---|
| SB00B05000 | Pneumatic snuff back valve |
| SB00B05002 | Pneumatic snuff back valve complete with flange |
| SB02B05XXX | Pneumatic snuff back valve complete with flange and KV nozzle |

*Replace XXX value with nozzle diameter desired
Available nozzle diameters from 1,00 to 4,00 mm*



KV nozzle
Ø from 1,00 to 1,90 mm

KV nozzle
Ø from 2,00 to 4,00 mm



M250

Electro-pneumatic extrusion valve without solenoid valve equipped with diaphragm needle, designed for applications of anaerobic glue, cyanoacrylate glue, or other low viscosity aggressive fluids. Anodized aluminium valve body, stainless steel needle with diaphragm made of non-reactive material and set-up for slim dosing needle.

The micrometric adjustment allows a fine control of the glue quantity.



Dots and lines

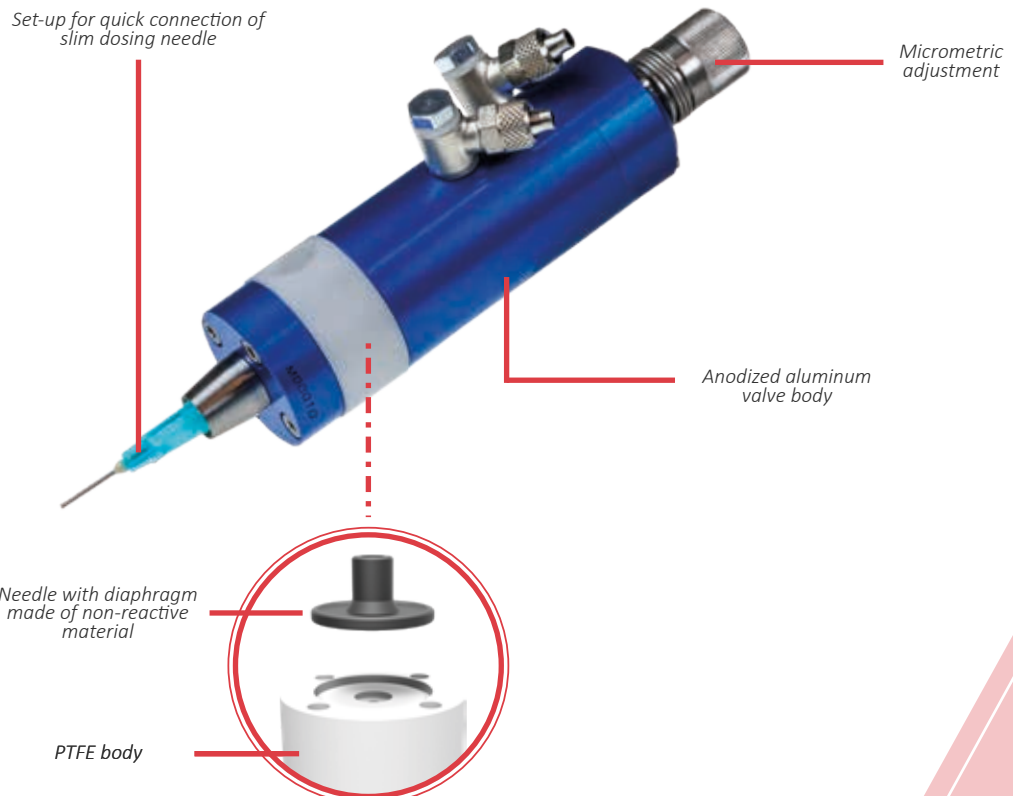
technical data

| | |
|-----------------------------|-------------------------|
| Set-up for quick connection | slim dosing needle |
| Valve body | anodized aluminium |
| Air pressure control | min. 5 bar |
| Drive type | simple or double action |
| Maximum working frequency | 2 dots/sec. |
| Maximum working pressure | 10 bar |
| Weight | 250 g |



code description

M250 Diaphragm valve
M250SYRM





6

ELECTROPNEUMATIC COATING VALVES

MZL - SPL valves

Electropneumatic valves are made for coating applications of low, medium, high viscosity glues, adhesives and fluids. Sturdy, small sized and versatile, the coating valves can be equipped with different types of coating heads, designed to meet the needs of different applications.

The valves can dispense continuous and non continuous coating.



FULL STAINLESS STEEL
VALVE AVAILABLE
ON REQUEST

APPLICATION FIELDS

| |
|------------------|
| packaging |
| paper converting |
| case maker |
| wood industry |
| assembly |
| food industry |

FLUID TYPES

| |
|--|
| adhesives and glues |
| silicones |
| greases |
| lubricants |
| low, medium and high viscosity fluids |

APPLICATION TYPES

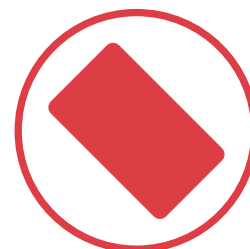
coating

MZL100

Electro-pneumatic coating valve for medium/high viscosity glues, adhesives and fluids with solenoid valve, micrometric adjustment and drive with double action piston.

Valve body with anti-stick coating, tungsten carbide needle and stainless steel coating head.

The micrometric adjustment allows a fine control of the glue quantity.



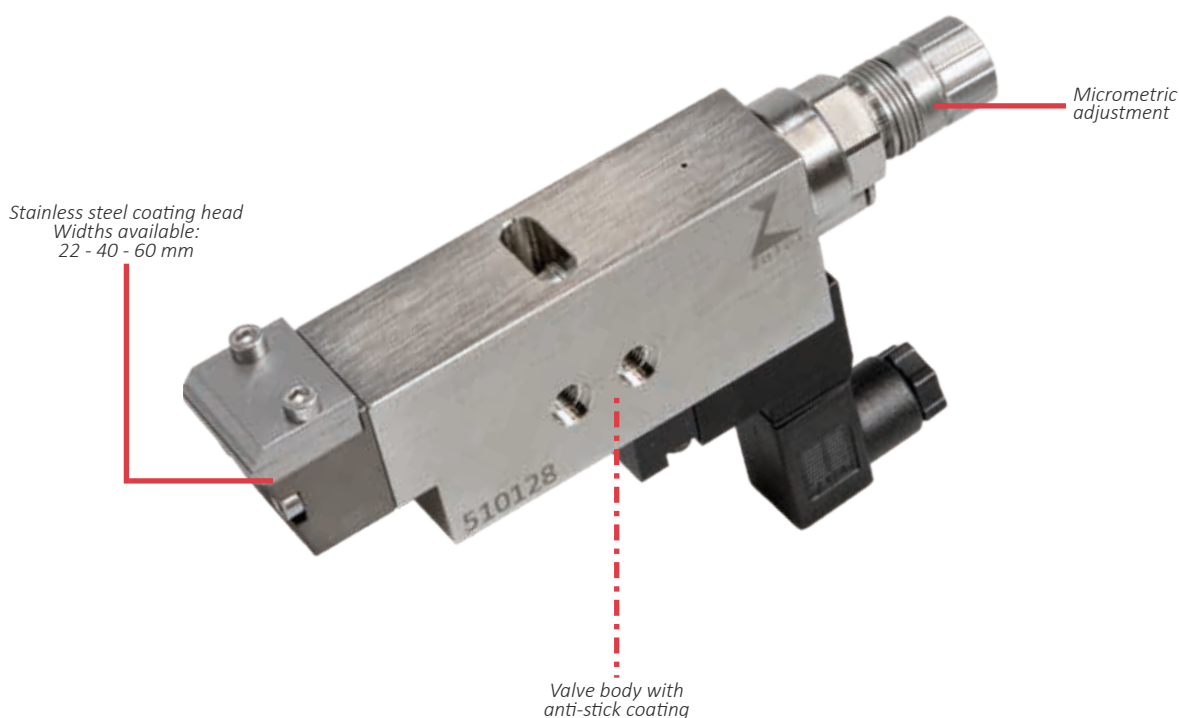
Coating

technical data

| | |
|--------------------------|-----------------|
| Available coating widths | 16 - 30 - 50 mm |
| Coating head widths | 22 - 40 - 60 mm |
| Air pressure control | min. 5 bar |
| Drive type | double action |
| Maximum working pressure | 80 bar |
| Coil | 24 Volt |
| Weight | 520 g |



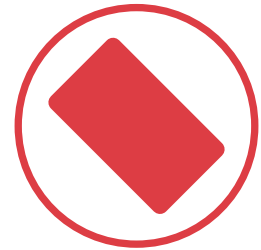
| code | description |
|-----------|---|
| C34740816 | Coating valve MZL122RM coating width 16 mm - 24 Volt |
| C34740830 | Coating valve MZL140RM coating width 30 mm - 24 Volt |
| C34740850 | Coating valve MZL160RM coating width 50 mm - 24 Volt |



SPL

The coating valve SPL has been designed and realized for its use on various kind of production machines: its design make it ideal for any applications that require the use of coating valves with snuff back technology.

It's a dispenser of any kind of viscosity glues, adhesives and fluids, in applications that requires high quantities of dispensed fluid, is pneumatically controlled by one external solenoid valve.



Coating

technical data

| | |
|--------------------------|---|
| Coating plates | Stainless steel |
| Valve body | Brass nickel teflon-coated and anodized aluminium |
| Coating width | up to 100 mm |
| Coating head width | 108 mm |
| Air pressure control | min. 5 bar |
| Drive type | simple action |
| Maximum working pressure | 40 bar |
| Cycle time | 40 ms |
| Weight | 1500 g |

| code | description |
|-----------|---|
| SPL000100 | Pneumatic coating valve SPL coating width up to 100 mm |



Stainless steel coating head





APPLICATIONS

examples

Different applications of Zator systems are shown on the next pages.

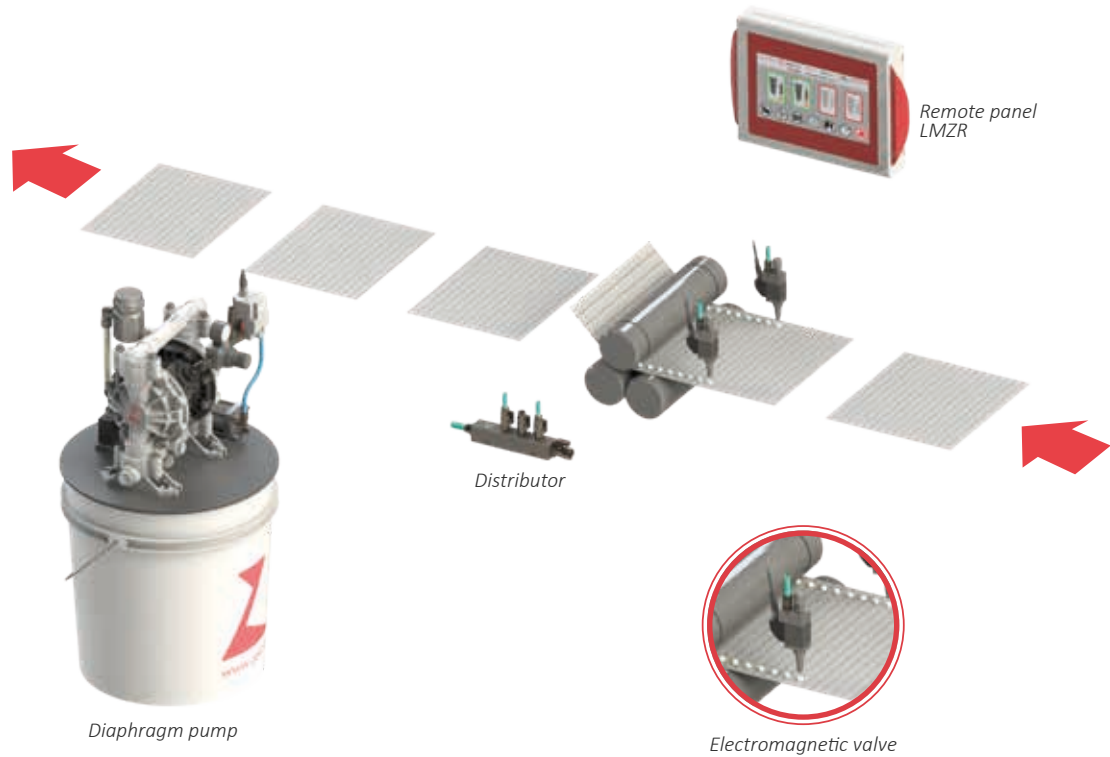
Thanks to our wide experience we are able to find the most suitable technical solution for your application field needs.

APPLICATIONS

| | |
|------------------------------------|--------------------|
| folding machine | can lids |
| collator machine | paper bag |
| folder gluer machine low pressure | spray |
| folder gluer machine high pressure | seals |
| trayforming | furniture industry |

FOLDING MACHINE

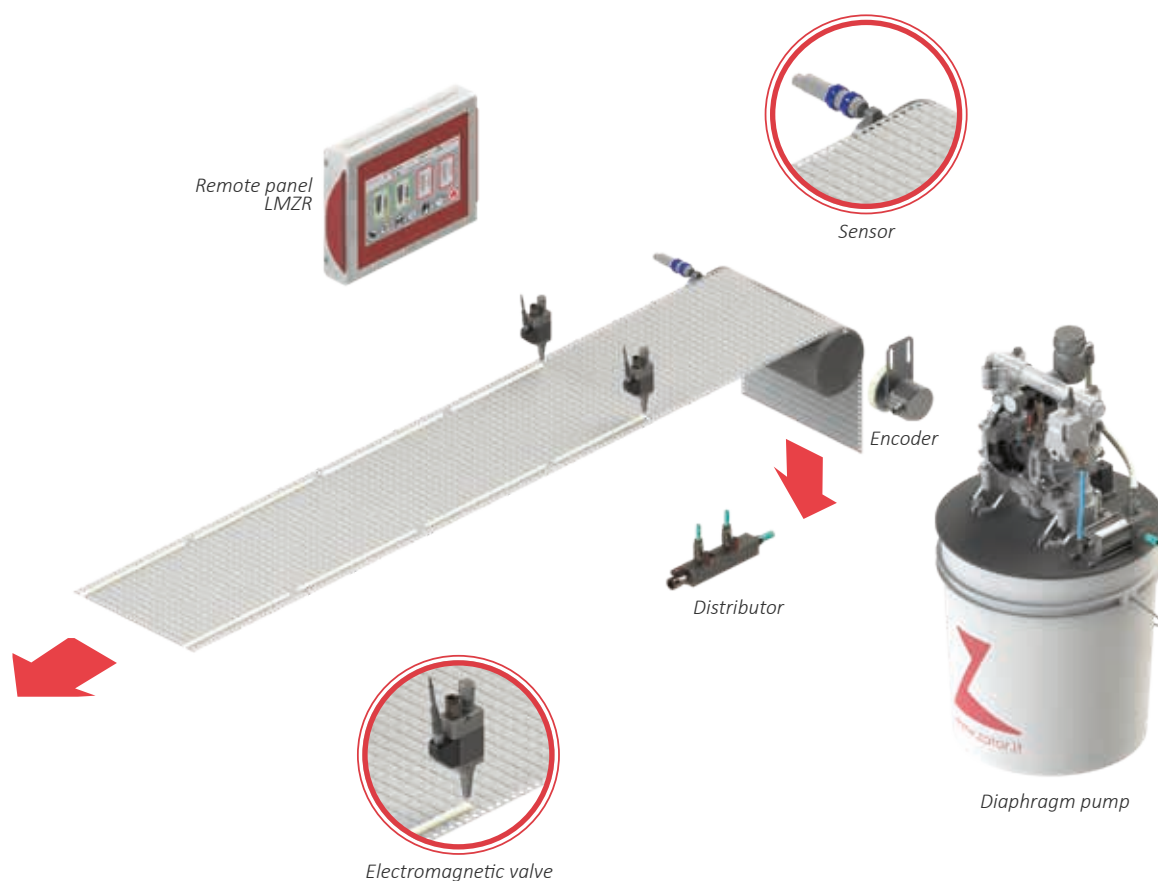
This implant is usually adopted for the application of glue on an automated system, in this case, “mailing” type. The control with remote panel LMZR, paired with encoder, allows to calibrate and synchronize, accurately the application of glue dots disbursed by the VH2 valve on the envelope, before folding. This type of system will grant repeatability, precision and speed.



COLLATOR MACHINE

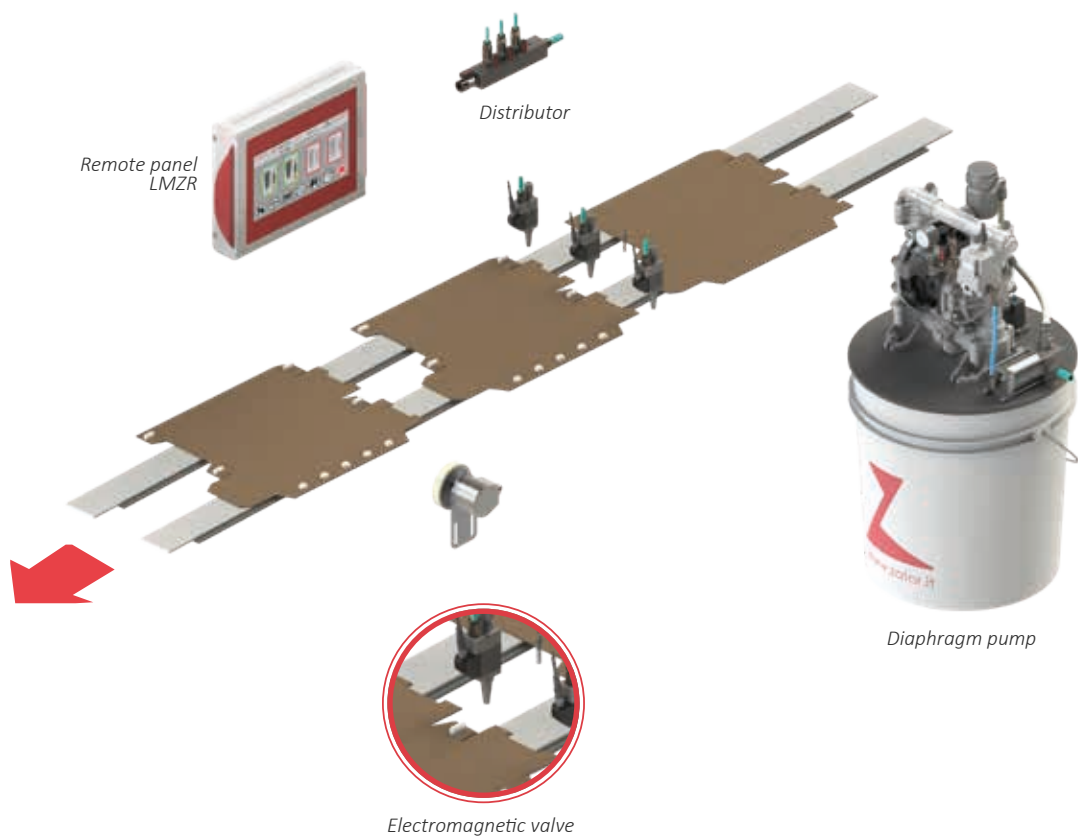
The continuous glue application require a precise dosing system, dispensing must adapt to different implant speed.

By using the remote panel LMZR control, it is possible to program the glue line pattern, for example, to make an interruption near the cutting or folding line, the system is activated by a sensor on the folding cylinder, the diaphragm pump provide a constant supply of low viscosity glues.



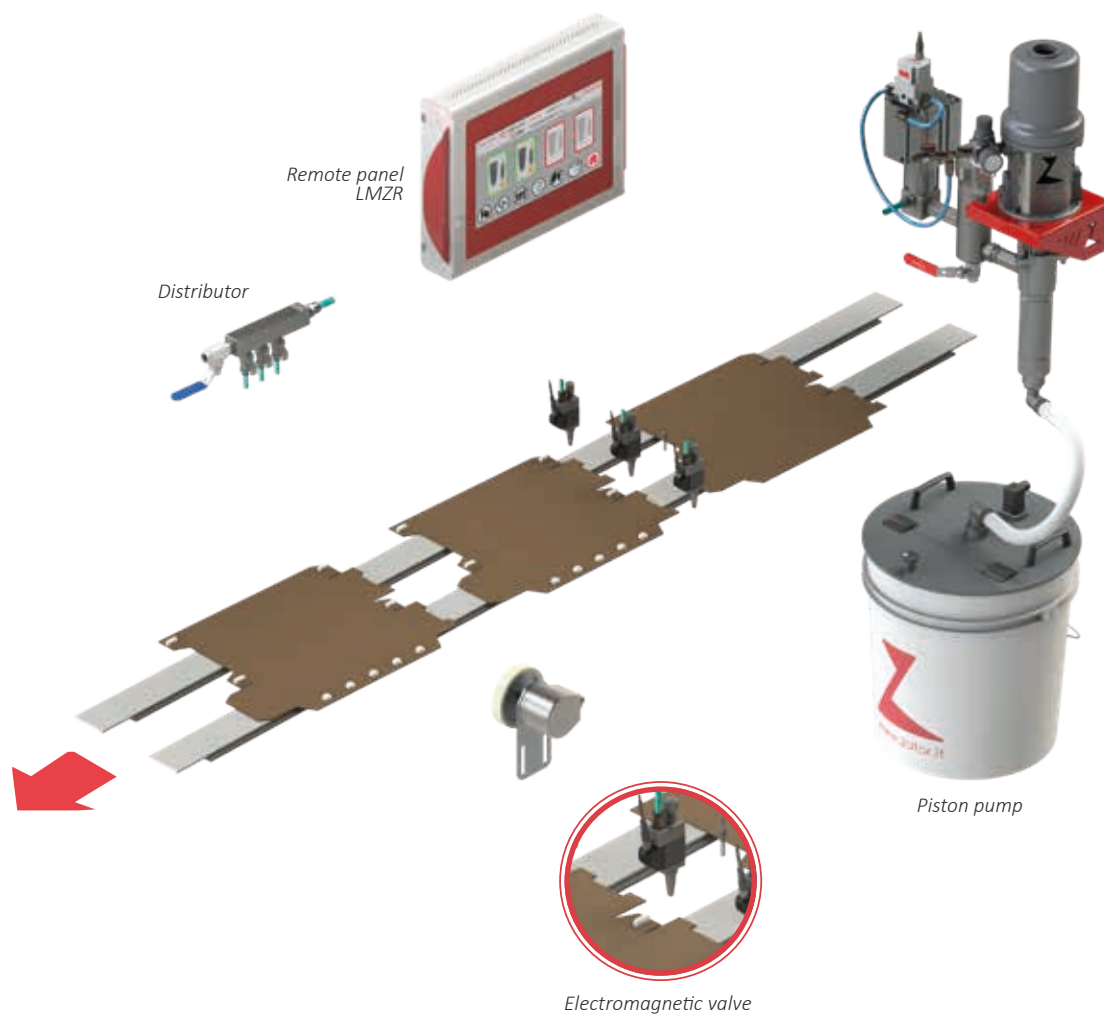
FOLDER GLUER MACHINE low pressure

The Zator systems are perfectly compatible with all folder-gluer machines or similar. The control with remote panel LMZR provide a user-friendly interface and an easy programming, the valves and accessories compact dimensions allows to be fitted in all type of machines, even in case of old equipment revision. The diaphragm pump provide a constant supply of low viscosity glues.



FOLDER GLUER MACHINE high pressure

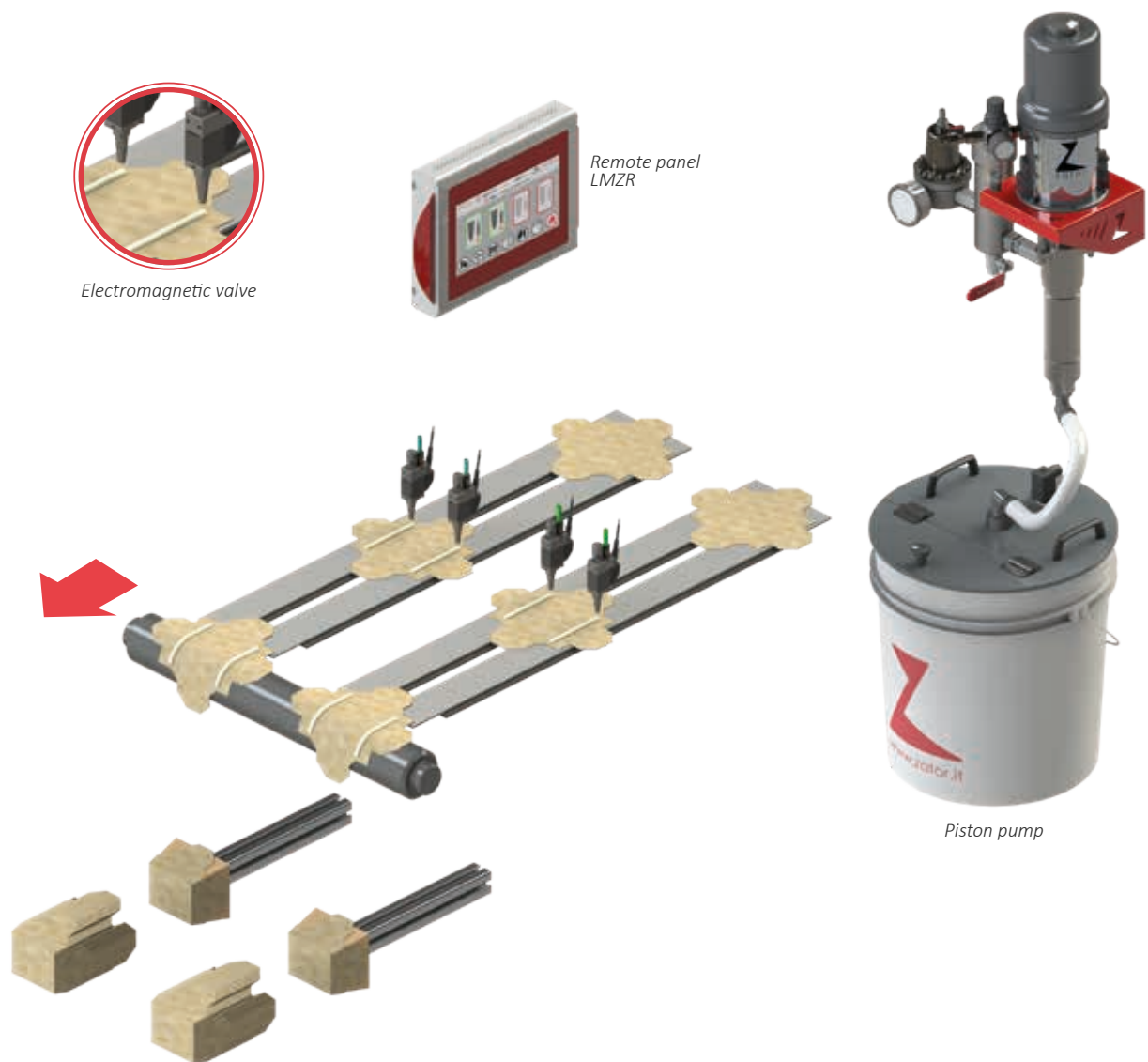
Using a piston pump allows for medium viscosity glues to be used in a folder-gluer machine, like the previous example, this system can be integrated on any type of folder-gluer machine or similar, even in case of older equipment revision.



TRAYFORMER

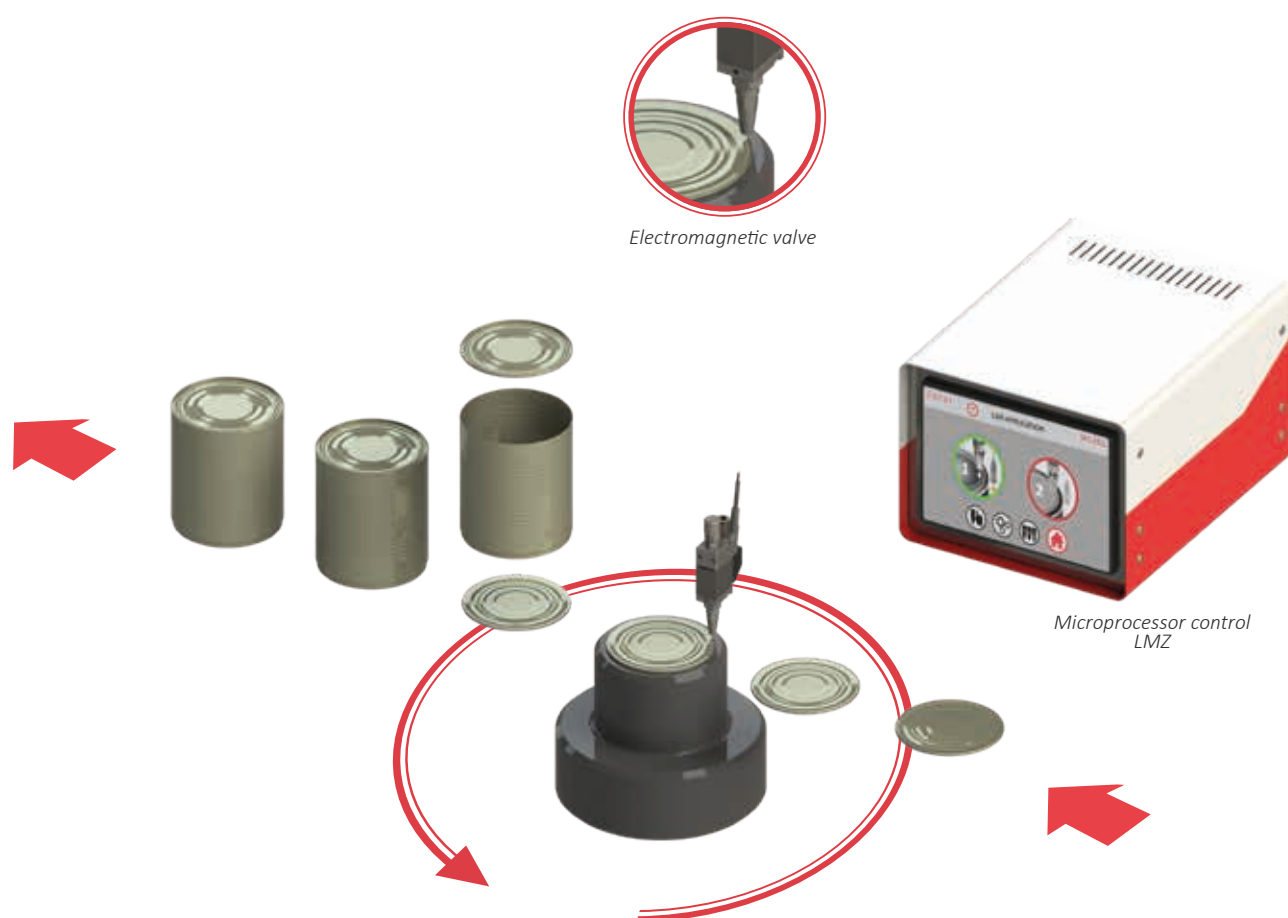
Trayforming machines are used to form and fold a carton and give them their final shape as a cardboard or a tray.

The entire process can be automated by using LMZR control with remote panel and sped up with Zator electromagnetic valves.



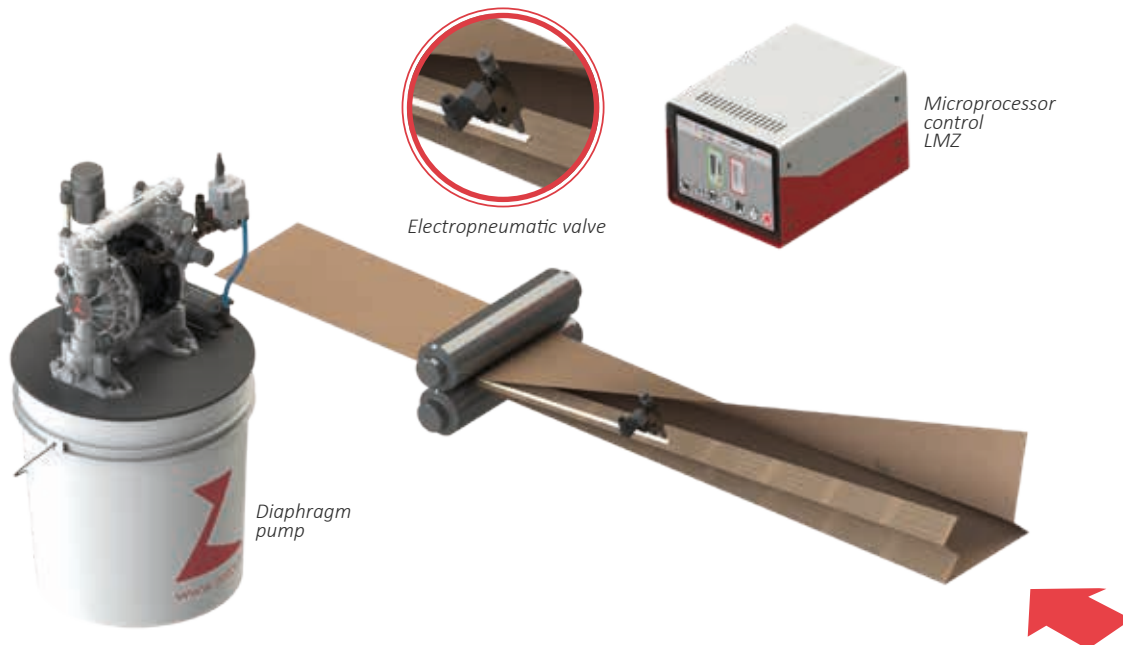
CAN LIDS

If the mechanical clipping is not enough to guarantee a good seal of the fluid in the can, is necessary to apply a mastic on the can lid edge. Zator electromagnetic valves grant a high speed and precise disbursement and can be integrated perfectly in this process.



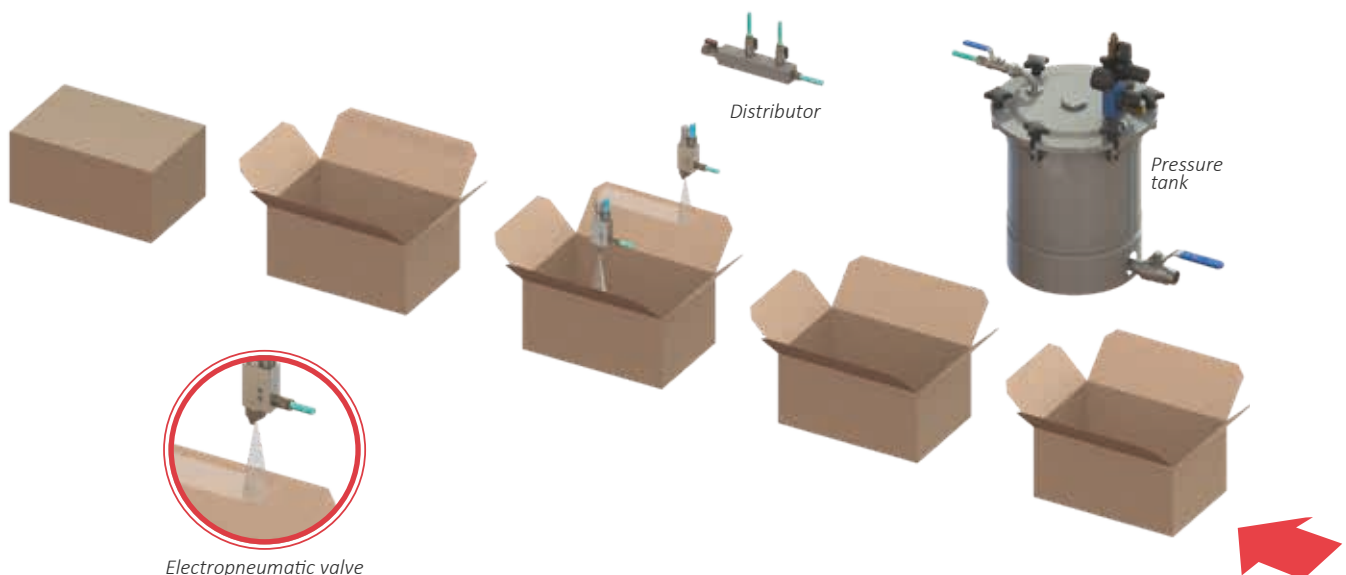
PAPER BAG

In the paper bags production, the side gluing is a simple application that can be done by using, for example, the electropneumatic valve; it is possible to dispense the right amount of glue continuously, at every machine speed on the bag side, the controlled disbursement of an even, thin line of glue will greatly improve the final product quality.



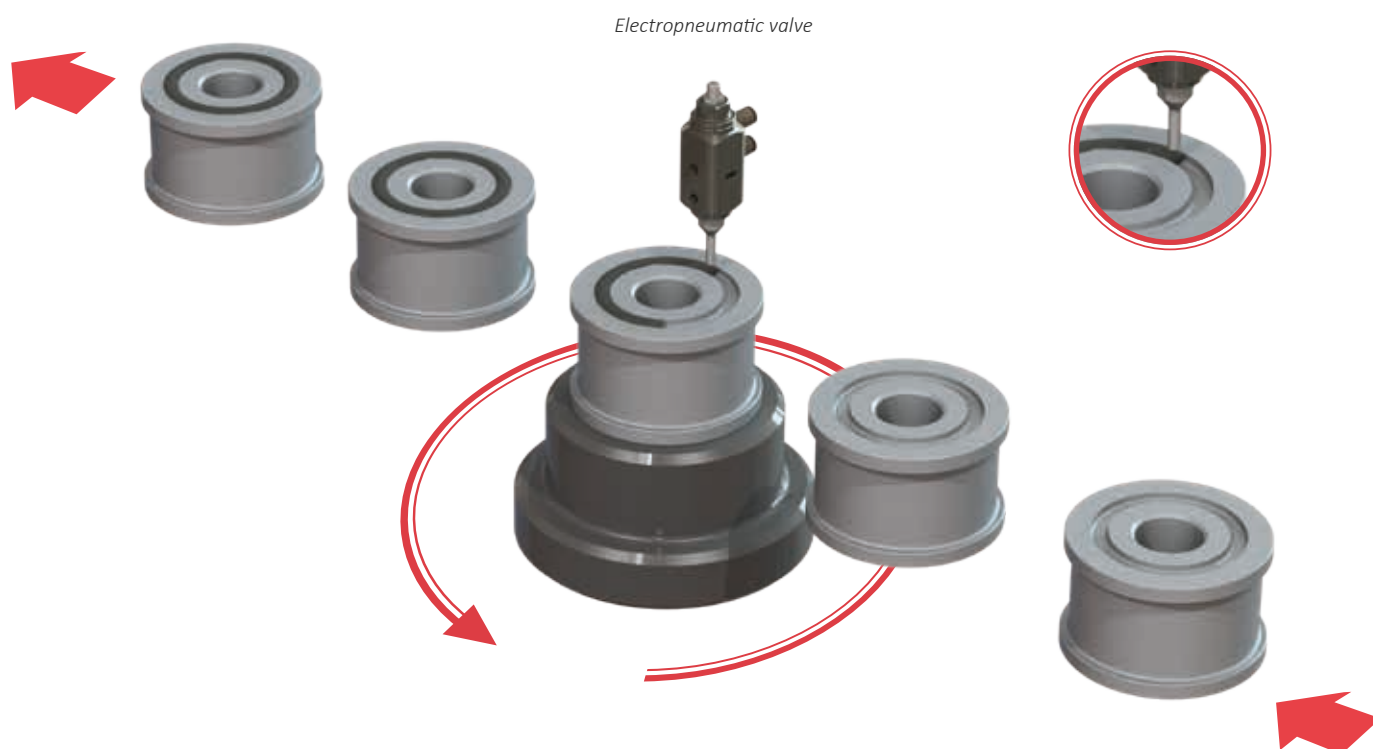
SPRAY

When a dispensing by nebulization is requested, the use of the electropneumatic spray valves is ideal. Multiple valves can be connected contemporary, via distributors, to cover a wider surface, with a limited amount of product, this also, allows gluing multiple parts of the same item.



SEALS

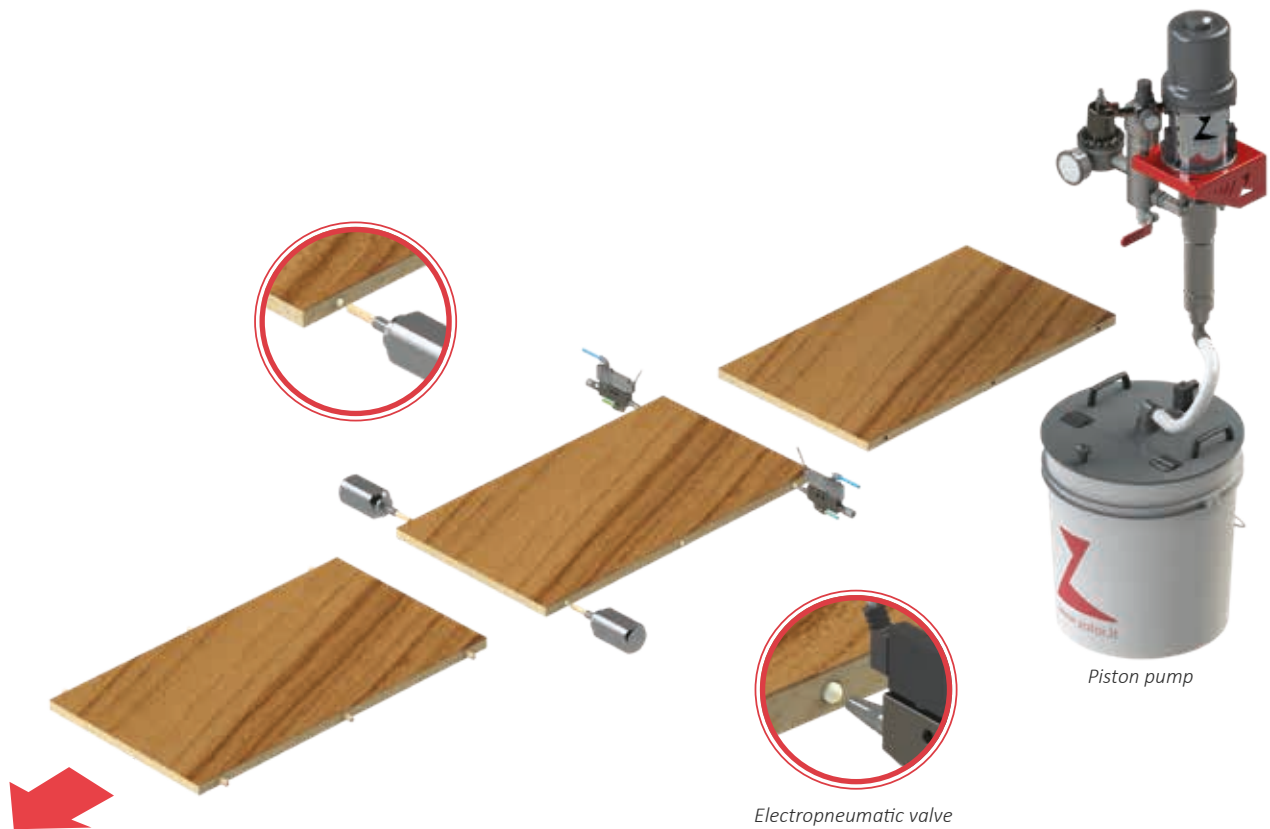
If using a standard gasket is not possible or, for technical necessities, a non removable gasket is needed, the pneumatic valve allows the accurate dispensing of an high amount of medium/high viscosity products, like mastics, silicones, resins and other fluids, in an automated way.



DOWEL INSERTION MACHINE

The automated assembly process by gluing is a frequent application in the furniture industry, allowing a production cost reduction without compromising the quality of the finished product.

Zator electropneumatic valves are ideal for use in the furniture industry, in this example, valves dispensing glue in the dowels holes.



VENEERED PANELS

In case of a large wood panel, an even, constant glue dispensing on a wide surface, is essential to ensure a strong bond.

Zator electropneumatic valves can be battery-mounted, when the application needs it. In this example electropneumatic valves dispensing in a veneering machine.



Electropneumatic valve



Piston pump



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Catalog APRIL 2024_V01

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