Metering, Mixing & Dispensing Systems

Product Catalogue
Sealant Equipment & Engineering, Inc., a Nordson company, has been designing and manufacturing dispensing systems for bonding, sealing, potting, encapsulation, casting and lubrication systems since 1967. Standard and custom manufactured fluid dispensing systems are available. Each machine photo on the following pages represent one of many available assembled versions for each model.

Your path to product quality begins with precision dispensing systems from the application engineering experts. We combine over 45 years of application knowledge with precision quality products to provide you the best dispense equipment in the industry.

Our system experts review your application, define the correct meter and valve design principles and select the right dispense components and accessories from the largest equipment selection in the industry.

The products displayed in this catalogue are an illustration of our range, however should your requirements be additional, please contact us in any language via: dispensing.systems@nordson.com

Nordson is the leader in precision dispensing equipment for applying industrial liquid and powder coatings, adhesives, and sealants to numerous consumer and industrial products during manufacturing operations. Nordson solutions also include test and inspection equipment and curing and surface preparation systems. We operate in 30+ countries around the world.

Explore Nordson products at www.nordson.com

Find your local Nordson office at: www.nordson.com\directory

How to Order

We operate a free hotline dedicated to processing your orders for all of our product lines.

Simply call 00800 7001 7001 from any country in Europe, stating the part numbers that you require and you will be automatically assisted by the appropriate language team.

Our knowledgeable staff can also be contacted for order progress checks, pricing and stock availability and payment queries.

Nordson Order Hotline:

Tel: 00800 7001 7001 / Fax: 00800 7002 7002 (All countries)

Email:

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<td>UK &amp; Ireland Team:</td>
<td><a href="mailto:esc-uk@nordson.com">esc-uk@nordson.com</a></td>
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SERVO-FLO® 302 - Fixed Ratio - Positive Rod Displacement

Totally enclosed and designed for automated production, the Servo-Flo 302 is a fixed ratio, positive rod displacement 2-component meter-mix dispense system with a Servo drive and operator interface control panel.

The meter assembly is designed for low to medium viscosity materials. The system can be tank fed or pump fed and is capable of dispensing precise shot volumes or precision bead profiles.

The dispense rate can be varied throughout the dispensing process to provide varying bead sizes or variable flow with automatic or manual dispense valves.


SERVO-FLO® 105 - Variable Ratio - Positive Rod Displacement

This variable-ratio, positive rod displacement, meter-mix dispense system has dual independent-drive servo motors to accurately meter materials on ratio. Ratio is adjusted in the operator interface panel.

The system dispenses precision volumetric shots or bead profiles. The flow rate can be varied on-ratio during the dispense cycle to accommodate different shot flows, bead diameters and tip speeds.

The meter accepts low to high viscosity materials and can be supply pumps or pressure tanks. The meter and control panel are individually floor stand mounted or on a common portable cart.


SERVO-FLO® 704 - Variable Ratio - Precision Gear Metering

Totally enclosed and designed for automated production, the Servo-Flo 704 is designed for continuous production dispensing with automation interface capabilities.

This Servo-motor driven 2-component gear pump metering system is ideal for high precision applications for controlling the output volume and mix ratio of the material. Ideal for low to medium viscosity materials, the material supply is pressure tank or pump fed.

This meter-mix dispense system is capable of dispensing precise shot volumes or varying bead profiles throughout the dispensing process.

SERVO-FLO® 505 - Fixed Ratio - Positive Rod Displacement
These meter-mix dispensing systems apply uniform beads of high viscosity 2-component materials in large volumes. Materials can be extruded or streamed by a fixed position or robotic mounted applicator.

Select from various touch screen operator interface controls. The servo motor drive and positive displacement pistons interface with the robot controller to dispense a requested bead profile, which is variable along the bead path.

Available in frame mount (shown) for automated applications or base-plate mount for robotic applications.
More Information: www.sealantequipment.com/sf505

SERVO-FLO® 605 - Variable Ratio - Positive Rod Displacement
This variable-ratio, positive rod displacement, 2-component meter-mix dispense system uses dual independent-drive servo motors to accurately meter materials on ratio.

The ratio is adjusted in the operator interface control panel. The system dispenses shots or beads and the dispense speed can be varied throughout the dispense cycle to provide a variable flow rate.

The meter system is designed for low to high viscosity materials, can be fed by pumps or pressure tanks and dispenses precision shot volumes or bead profiles.
More Information: www.sealantequipment.com/sf605

SEE-FLO® 995 - Variable Ratio - Precision Gear Metering
See-Flo 995 uses dual AC Inverter drive motors coupled to independent driven Precision Gear Meters ideal for continuous flow dispensing applications.

The easy to use basic operator interface control adjusts the flow rate and volumetric mix ratio of the A and B materials without mechanical changes.

See-Flo 995 metering systems with No-Flush™ disposable mixers or Power Static Mixer are used in meter-mix applications including Coating, Coil Winding, Laminating, Encapsulation, Foam Dispensing, Gasketing, Molding and Adhesive Bonding.

Progressive Cavity (Gearotor) gear meter systems are also available with single or dual AC Inverter drive motors in our See-Flo 990 series dispensing systems.

SEE-FLO® 494 - Fixed Ratio - Positive Rod Displacement
These positive rod displacement meter-mix dispense systems apply a precise bead or shot of medium to high viscosity materials. They use AirDraulic™ air over oil drive for consistent flow rates.

See-Flo 494 has a maximum dispense capacity of 154 cm³ (9.4 in³) at 1:1 ratio

The meter can be supply pump fed or pressure tank fed. The meter and control panel are mounted on a common floor stand or a common mobile cart with Snuf-Bak or No-Drip dispense valves.
More Information: www.sealantequipment.com/sf494

SEE-FLO® 690 - Fixed Ratio - Positive Rod Displacement
This positive rod displacement meter-mix and dispense system applies precise beads or shots of abrasive or high viscosity materials. The See-Flo 690 is ideal for dispensing 2-component epoxy, urethane or silicone.

Features include hardened meter piston rods that never touch the cylinder walls, an AirDraulic drive motor to provide a precise pre-set flow rate and a manually adjustable shot volume control.

Snuf-Bak or No-Drip dispense valves and low cost, No-Flush disposable mixer nozzles are available for automatic or manual dispensing operations.
More Information: www.sealantequipment.com/sf690

SERIES 488 - Fixed Ratio - Positive Rod Displacement
These positive rod displacement meter-mix dispense systems apply a precise bead or shot of medium to high viscosity materials. They use AirDraulic™ air over oil drive for consistent flow rates.

See-Flo 488 has a maximum dispense volume of 1,147 cm³ (86.5 in³) at 1:1 ratio.

The meter can be supply pump fed or pressure tank fed. The meter and control panel are on a common floor stand or on a common mobile cart with Snuf-Bak or No-Drip dispense valves.
Metering, Mixing & Dispensing Systems

SEE-FLO® 7 - Adjustable Ratio - Double Acting Piston
This continuous flow, 2-component meter-mix and dispense system is ideal for low to medium viscosity materials. The double-acting metering cylinders allow continuous on-demand flow or metered ‘shots’ of mixed material with no-reload cycle.

The See-Flo 7 System is air powered and the shot control model includes hard-stops for accurate shot volumes. Models are floor or cart mounted, and include a ratio check assembly.

Options include PLC Controls, booms and mobile carts for portability.

SEE-FLO® 582 - Fixed Ratio - Double Acting Piston
This continuous flow, fixed ratio, positive displacement, meter-mix and dispense system is well suited for dispensing automatic or manually controlled metered volumes of low to high viscosity materials.

Options are available for stainless steel wetted components, Program-A-Shot volume control, cart and boom assemblies, material supply and mix-dispense valves.
Snuf-Bak or No-Drip dispense valves and low cost, No-Flush disposable mixer nozzles are available for automatic or manual dispensing operations.
More Information: www.sealantequipment.com/sf582

SERVO-FLO® Micro-Meter® 2 - Fixed Ratio - Positive Rod Displacement
Servo-Flo 801 uses an AC Servo drive motor coupled to a dual positive-rod meter ideal for precision shot size or precise bead profile dispensing applications. The advanced operator interface control adjusts the flow rate of the A and B materials by manual presets or automation flow rate inputs and has many other features.

The Micro-Meter series is available in three volume sizes from 0.02 cm³ up to 7 cm³, 18 cm³ or 25 cm³ maximum volumes per stroke at 1:1 ratio by volume.

The Micro-Meter systems with No-Flush™ disposable mixers or Power Static Mixer are used in small meter-mix dispensing applications including Adhesive Bonding, Bead Dispensing, Encapsulation, Gasketing and Potting.
More Information: www.sealantequipment.com/sf801

SEE-FLO® Micro-Meter® 2 - Fixed Ratio - Positive Rod Displacement
See-Flo 391 (shown) uses a pneumatic drive cylinder coupled to a dual positive-rod meter ideal for repeatable volumetric shot size dispensing applications. Volumetric shot size is manually adjusted and set by the micrometer knob at the top of the unit.

See-Flo 202 uses an air-over-oil drive cylinder coupled to a dual positive-rod meter ideal for consistent flow rates, repeatable shot size volumes or bead profile dispensing applications. The volumetric shot size is manually adjusted and set by the micrometer knob at the top of the unit.

The Micro-Meter series is available in three volume sizes from 0.02 cc up to 3.5 cc and higher volumes per stroke at 1:1 ratio by volume. The Micro-Meter systems with No-Flush™ disposable mixers or Power Static Mixer are used in small meter-mix dispensing applications including Adhesive Bonding, Bead Dispensing, Encapsulation, Gasketing and Potting.

SEE-FLO® 387 - Fixed Ratio - Piston Cup Metering
This bench-top meter-mix dispenser is rugged, simple to operate and perfect for fast, repetitive volume dispensing in manual applications. The See-Flo 387 is ideal for production potting, encapsulating, bonding, or laboratory applications.

This low cost meter-mix system is air powered and easily dispenses precise measured ‘shots’ of two component low viscosity materials. The AirDraulic drive delivers a continuous, pulse free mixed material flow rate.

The volumetric shot size is adjustable and controlled by the stroke length of the positive displacement metering pistons which ensure accurate shot sizes.
Single Component Dispensing Systems

PROGRAM-A-BEAD® 3 - Positive Rod Displacement
This Servo motor driven 1-component positive rod displacement meter system is designed to dispense precise beads of medium to high viscosity mastic materials.

The Program-A-Bead 3 is used in high speed robotic and automation production applications, requiring robot interface, variable flow rates, precision beads, low maintenance and long life. Various volume ranges are available. This system, which material supply pumps, temperature control and dispense valve, provides accurate and repeatable profile beads for applications such as body panel adhesive, structural bonding, hem flange and body panel reinforcement.


SHOT-A-MATIC® - Pneumatic Dispenser - Positive Rod Displacement
This one-component rod displacement shot meter system dispenses precise shot volumes of low, medium or high viscosity materials. The meter uses adjustable position ‘hard stop’ shot controls and clean cut-off dispense valves to dispense the exact volume.

The dispensed volume, from 1 cm³ through 650 cm³ or larger, is adjusted manually and is powered by an air cylinder. The meter can be supplied by pressure tanks or pumps. The controls allow integration with automation for precision volumes of material dispensed on demand.


SEE-BEAD® - Air-Draulic™ Dispenser - Positive Rod Displacement
This one-component rod displacement metering systems dispenses precise beads of low, medium or high viscosity materials.

Powered by an Air-Draulic air-oil cylinder or Electric servo-motor drive system to provide pre-set consistent flow rates (air-oil) or variable flow rates (servo) for bead or spray applications. This positive rod displacement metering unit is sized to your specific application requirement and available in sizes from small shots beginning at 1 cm³ and large volume shots up to 235 cm³ or larger.

More Information: www.sealantequipment.com/sb

SERVO-FLO® GEAR - Precision or Progressive Cavity Gear Metering
The Servo-Flo Gear Meter is a continuous flow servo motor driven pump specifically designed for precision metering and dispensing of medium to high viscosity materials.

This meter system is typically used for dispensing 1-component silicones and urethanes for gasketing applications. The servo motor accurately sets the flow rate and is variable along the bead path. The Servo-Flo Gear Meter does not require reloading at the end of the dispense cycle and provides a variety of different flow rates for varying part styles and volumes.

More Information: www.sealantequipment.com/sfgear

SERVO-FLO® 305 - Positive Rod Displacement
This positive rod displacement shot meter is ideal for accurately dispensing volumes of material up to 110 cm³ per shot with precision repeatability.

This economical meter is Servo motor driven and is automation controlled or manually operated. The positive rod displacement meter design greatly improves dispense volume accuracy compared to other metering methods.

The Servo-Flo 305 meter is easily mounted a fixed position, gantry or robot application.

More Information: www.sealantequipment.com/sf305

SERVO-FLO® Micro-Meter® 1 - Positive Rod Displacement
These Servo series Micro-Meter 1 positive rod displacement meters dispense volumes in the range of 0.01 cm³ up to 3.6 cm³. They dispense single beads, stitched beads or specific shot sizes. The flow rate can be adjusted during the dispense cycle for multiple bead profiles or shot volumes.

This servo motor driven meter dispenses a broad range of 1-component materials such as epoxy, silicone, urethane, sealants, grease and lubricants with very low to very high viscosities and abrasive fillers.

The dispense valve can be meter mounted or remote mounted for various automation requirements.

More Information: www.sealantequipment.com/mm1

SEE-FLO® 592 Micro-Shot™ 1 - Positive Rod Displacement
This one-component rod displacement metering systems dispenses precise beads of low, medium or high viscosity materials.

Powered by an Air-Draulic air-oil cylinder or Electric servo-motor drive system to provide pre-set consistent flow rates (air-oil) or variable flow rates (servo) for bead or spray applications. This positive rod displacement metering unit is sized to your specific application requirement and available in sizes from small shots beginning at 1 cm³ and large volume shots up to 235 cm³ or larger.

More Information: www.sealantequipment.com/sb

PROGRAM-A-BEAD® 3 - Positive Rod Displacement
The Program-A-Bead 3 is used in high speed robotic and automation production applications, requiring robot interface, variable flow rates, precision beads, low maintenance and long life. Various volume ranges are available. This system, which material supply pumps, temperature control and dispense valve, provides accurate and repeatable profile beads for applications such as body panel adhesive, structural bonding, hem flange and body panel reinforcement.


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The dispense valve can be meter mounted or remote mounted for various automation requirements.

More Information: www.sealantequipment.com/mm1

SEE-FLO® 592 Micro-Shot™ 1 - Positive Rod Displacement
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Principles of Valve Design

Dispensing Valves

NO-DRIP®
Designed for low-viscosity, pourable materials, abrasive or filled materials and high flow applications. Often used for in-line fluid on/off flow control. Accepts a wide variety of nozzles for extruding and spraying materials.

TIP-SEAL®
Designed to shut-off material flow of low to high-viscosity materials creating a zero cavity seal at the tip of the nozzle. A wide variety of tip orifices and tip lengths are available for high speed on-off and precision fluid control applications.

SNUF-BAK™
Ideal for medium to high viscosity, non-level seeking materials and thixotropic or cohesive (stringy) materials for faster shut-off. Accepts a wide variety of metal and plastic nozzles for extruding materials.

2-PART MIX VALVE
Ideal for medium to high viscosity 2-part materials.

SNUF-BAK™
Ideal for medium to high viscosity 2-part materials.

Mix at the nozzle applications

NO-DRIP®
Ideal for low viscosity, 2-part materials.

A
B
A B
B

SNUF-BAK™
Dispensing Valves

A
B
A B
B

Mix at the nozzle applications
**Snuf-Bak™ Dispense Valves**

- **Valve Part Number:** 7425229
- Non-adjust Elastoplastic seal
- **Snuf-Bak control adjustment**
- Stainless Steel wetted parts
- **Overhead balancer mounting**
- **1/8” NPT(f) inlet/outlet air ports**
- **1/4” NPT(f) inlet/outlet fluid ports**
- **1.50cm Dia. x 14.12cm long body**
- **0.95cm Rod mounting hole**
- **SST version available**


- **Valve Part Number:** 7425018
- Non-adjust Elastoplastic seal
- **Alum./Carbon Steel wetted parts**
- **0.81cm and longer tip lengths**
- **0.78cm to 0.50cm orifice dia’s.**
- **0.81cm lg nozzle with 0.31cm orifice**
- **3.81cm sq. x 11.91cm overall length**
- **Spring assist to close valve**
- **1/8” NPT(f) inlet/outlet air ports**
- **(2) 1/4” NPT(f) fluid inlet ports**
- **275 Bar (4,000 PSI) maximum inlet**
- **Alum./Carbon Steel wetted parts**
- **Non-adjust Elastoplastic seal**
- **Snuf-Bak control adjustment**
- **Overhead balancer mounting**
- **1/8” NPT(f) inlet/outlet air ports**
- **1/4” NPT(f) inlet/outlet fluid ports**
- **3.10cm sq. x 19.48cm overall length**
- **3.85cm lg. nozzle with 0.45cm orifice**
- **Optional Valve Models**
- **0.10cm to 0.45cm orifice dia’s.**
- **Up to 8.35cm tip lengths**


- **Valve Part Number:** 7425283
- Kiss Short Tip Valves
- **Alum./Carbon Steel wetted parts**
- **2200-1051 Series Valves**
- **Non-adjust Elastoplastic seal**
- **Overhead balancer mounting**
- **1/8” NPT(f) inlet/outlet air ports**
- **1/4” NPT(f) inlet/outlet fluid ports**
- **(2) 1/4” NPT(f) fluid inlet ports**
- **3/4” NPT(f) inlet/outlet air ports**
- **275 Bar (4,000 PSI) maximum inlet**
- **3/4” NPT(f) inlet/outlet fluid ports**
- **7.31cm sq. x 25.93cm overall length**
- **0.48cm orifice x 7.31cm lg. nozzle**
- **Optional Valve Models**
- **Screw/Dowel or bracket mounting**
- **0.48cm orifice x 7.26cm lg. nozzle**
- **Rod or bracket mounting**
- **7.69cm dia. x 25.93cm overall length**
- **0.48cm orifice x 15.69cm long nozzle**


**Tip-Seal® Dispense Valves**

- **Valve Part Number:** 7425287
- **Valve Part Number:** 7425223
- **Heater and RTD sensor ports**
- **176°C maximum temperature**
- **1/8” NPT(f) inlet/outlet air ports**
- **0.75” dia. fluid outlet orifice**
- **(2) 3/8” NPT(f) fluid inlet ports**
- **1/4” NPT(f) inlet/outlet air ports**
- **275 Bar (4,000 PSI) maximum inlet**
- **Optional Valve Models**
- **3.85cm lg. nozzle with 0.45cm orifice**
- **0.10cm to 0.45cm orifice dia’s.**
- **Up to 8.35cm tip lengths**

Kiss™ Dispense Valves

Over 140 standard Kiss Valve products are available to meet your adhesive, sealant and lubricating applications designed to Extrude, Drop, Stream, Airless Spray, Air-Assist Airless Spray, and Slot-Ribbon precision bead profiles.

**KISS NO-DROP VALVES:**

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<td>Extrode KISS No-Drip Assy -000 w/1/4&quot; NPTF Adapter</td>
<td>Alum/CS-N</td>
<td>1/4&quot; NPT (f)</td>
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<td>2200-245-006</td>
<td>Extrode KISS No-Drip -001 w/Mounting Block</td>
<td>Alum/CS-N</td>
<td>1/4&quot; NPT (f)</td>
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<td>2200-245-010</td>
<td>Extrode KISS No-Drop -001 w/Stroke Adjustment</td>
<td>Alum/CS-N</td>
<td>1/4&quot; NPT (f)</td>
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<td>2200-245-013</td>
<td>Extrode KISS No-Drop -001 w/Block &amp; Stroke Adjustment</td>
<td>Alum/CS-N</td>
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<td>2200-245-018</td>
<td>Extrode KISS No-Drop -001 w/Mounted Mount</td>
<td>Alum/CS-N</td>
<td>1/4&quot; NPT (f)</td>
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<tr>
<td>2200-245-147</td>
<td>Extrode KISS No-Drop, -001 w/1/4&quot; NPT (f) Adapter</td>
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<td>2200-245-003</td>
<td>Airless Spray KISS No-Drop -000 w/nozzle Collar &amp; Gasket</td>
<td>Alum/CS-N</td>
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<td>2200-245-008</td>
<td>Spray KISS No-Drop -003 (Mounting Block)</td>
<td>Alum/CS-N</td>
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<td>2200-245-102</td>
<td>Spray KISS No-Drop Assy w/Nozzle Cap</td>
<td>Alum/CS-N</td>
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<td>2200-245-120</td>
<td>Airless Spray KISS No-Drop -100 w/2 Seat/Housing Dowel</td>
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<td>2200-245-018</td>
<td>Spray KISS No-Drop for Reverse-A-Clean</td>
<td>Alum/CS-N</td>
<td>7/8-14 (m)</td>
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<td>2200-245-019</td>
<td>Spray KISS No-Drop for Reverse-A-Clean</td>
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<td>7/8-14 (m)</td>
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<td>2200-245-093</td>
<td>Stream KISS No-Drop Assy w/Nozzle Cap</td>
<td>SST</td>
<td>for Flanged Tip or Nozzle</td>
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<td>2200-245-091</td>
<td>Air-Assisted Airless Spray (3-pint) KISS No-Drop Assy</td>
<td>Alum/CS-N</td>
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**KISS TIP-SEAL VALVES:**

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<td>-039 Tip-Seal w/Stainless Steel Parts</td>
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<td>2200-245-043</td>
<td>-051 Tip-Seal w/Stroke Adjustment</td>
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<td>2200-245-066</td>
<td>-051 Tip-Seal w/Manifold. w/o Stroke Adjustment</td>
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<td>2200-245-120</td>
<td>-065 Tip-Seal incl. Stroke Adjustment</td>
<td>4.5mm x 8.1mm</td>
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<td>-061 Tip-Seal incl. Stroke Adjustment</td>
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<td>Tip-Seal w/Stroke Adjustment</td>
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**KISS ADVANCED TECHNOLOGY VALVES:**

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<th>PART NO.</th>
<th>ITEM DESCRIPTION</th>
<th>FLUID BODY</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200-275-132</td>
<td>Kiss Valve No-Drip Assy</td>
<td>Alum/CS-N</td>
</tr>
<tr>
<td>2600-013-005</td>
<td>Kiss Valve - No-Drip Assy - MSA Single Valve</td>
<td>Alum/CS-N</td>
</tr>
<tr>
<td>2600-019</td>
<td>Color Change Valves with Manifold</td>
<td>Alum/CS-N</td>
</tr>
</tbody>
</table>

**KISS HOT MELT VALVES:**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>ITEM DESCRIPTION</th>
<th>ORIFICE DIA.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2200-245-027</td>
<td>Kiss No-Drip Assy w/Brass Bearing and 400°F Temp Seals</td>
<td>CS-4M</td>
</tr>
<tr>
<td>2200-245-044</td>
<td>Kiss No-Drip Assy w/Brass Bearing and High Temp Seals</td>
<td>CS-4M</td>
</tr>
</tbody>
</table>

No-Drip® Dispense Valves

**Valve Part Number : 7425261**
- Adjustable PTFE packings
- Air to Open; Air to Close
- Carbide Steel wetted parts
- Carbine Ball and hardened seat
- 241 Bar (3,500 PSI) Maximum Inlet
- 1/4" NPT(f) inlet/outlet fluid ports
- 1/8" NPT(f) inlet/outlet air ports
- 5.56cm Dia. x 13.18cm long body
- 0.95cm Rod mounting hole
- SST version available

More Information:
www.SealantEquipment.com/2100-106

**Valve Part Number : 7425291**
- Flow Rate control adjustment
- Air to Open; Spring to Close
- Adjustable PTFE packings
- Carbon Steel wetted parts
- Carbide Ball and hardened seat
- 275 Bar (4,000 PSI) Maximum Inlet
- 1/4" NPT(f) inlet/outlet fluid ports
- 1/8" NPT(f) inlet air port
- 5.56cm Dia. x 16.56cm long body
- 0.95cm Rod mounting hole

More Information:
www.SealantEquipment.com/2100-480

**Valve Part Number : 7425090**
- Abrasion resistant Elastoplastic seal
- Air to Open; Air to Close
- Alum./Carbon Steel wetted parts
- Carbide Ball and seat
- 275 Bar (4,000 PSI) Maximum Inlet
- 1/4" NPT(f) inlet/outlet fluid ports
- 1/8" NPT(f) inlet/outlet air ports
- 5.56cm Dia. x 13.16cm long body
- Rod or bracket mounting
- SST version available

More Information:
www.SealantEquipment.com/2100-911

**Manual Gun Part Number : 7428582**
- Ergonomic pistol grip handle
- Non-adjust Polyurethane seal
- Stainless Steel wetted parts
- 413 Bar (6,000 PSI) Maximum Inlet
- 1/4" NPT(f) inlet/outlet air ports
- 241 Bar (3,500 PSI) Maximum Inlet
- 1/16" NPT(f) inlet fluid port
- 5/16-24 UN-2A (m) fluid outlet
- Rod or bracket mounting
- 0.95cm Rod mounting hole

More Information:
www.SealantEquipment.com/2100-555

**Micro-Kiss™ Valve Pt. Nr. : 7425266**
- Flow Rate control adjustment
- Spring assist to close
- Non-adjust Elastoplastic seal
- Alum./Carbon Steel wetted parts
- Abrasion resistant Elastoplastic seal
- Adjustable PTFE packings
- Air to Open; Spring to Close
- 241 Bar (3,500 PSI) Maximum Inlet
- 1/16" NPT(f) inlet fluid port
- 5/16-24 UN-2A (m) fluid outlet
- #10 screw mounting holes

More Information:
www.SealantEquipment.com/2100-044
### 2 Component Dispense Valves

**Valve Part Number : 7425119**

*Snuf-Bak™ Mix and Dispense Valve*
- For medium to high viscosity materials
- 1/4" NPT(f) inlet fluid ports (2)
- 241 Bar (3,500 PSI) Maximum Inlet
- Alum/Carbon Steel construction
- Double Acting divorced design
- 1/8" NPT(f) inlet/outlet air ports
- 5.71 cm Dia. x 14.12 cm long body
- (2) screw holes and (2) dowel holes for mounting
- Available options: No-Flush™ mixers, Stainless Steel, wide-ratio, flush port, balancer hook, severe duty, handles


**Valve Part Number : 7425420**

*No-Drip® Mix and Dispense Valve*
- For high volume applications
- 1/2" NPT(f) inlet fluid ports (2)
- 241 Bar (3,500 PSI) Maximum Inlet
- Alum/Carbon Steel construction
- Double Acting divorced design
- 1/8" NPT(f) inlet/outlet air ports
- 9.1 cm Dia. x 25.27 cm long body
- (2) screw holes and (2) dowel holes for mounting
- Available options: No-Flush™ mixers, Stainless Steel, wide-ratio, flush port, balancer hook, severe duty, handles

*More Information: www.SealantEquipment.com/2200-545*

**Valve Part Number : 7425464**

*Snuf-Bak™ Mix and Dispense Valve*
- For low viscosity materials
- 1/4" NPT(f) inlet fluid ports (2)
- 241 Bar (3,500 PSI) Maximum Inlet
- Alum/Carbon Steel construction
- Double Acting divorced design
- 1/8" NPT(f) inlet/outlet air ports
- 5.7 cm Dia. x 14.12 cm long body
- (2) screw holes and (2) dowel holes for mounting
- Available options: No-Flush™ mixers, Stainless Steel, wide-ratio, flush port, balancer hook, severe duty, handles


**Valve Part Number : 7425362**

*No-Drip® Mix and Dispense Valve*
- For small shot volume applications
- 1/4" NPT(f) inlet fluid ports (2)
- 241 Bar (3,500 PSI) Maximum Inlet
- Stainless Steel construction
- Carbide Ball and seat
- Double Acting divorced design
- 1/8" NPT(f) inlet/outlet air ports
- 6.2 cm Dia. x 14.12 cm long body
- (2) screw holes and (2) dowel holes for mounting
- Bayonet style twist-lock mixers
- Available options: Wide-ratio, flush port, severe duty, Handles for manual dispense

*More Information: www.SealantEquipment.com/2200-545-037*

### Mixers and Shrouds, Dispense Nozzles

#### No-Flush™ Disposable Mixers

<table>
<thead>
<tr>
<th>Part No.</th>
<th>ID x Elements</th>
<th>OD Diameter</th>
<th>L Length</th>
<th>A Orifice</th>
<th>Volume in CC’s</th>
<th>Steel Shroud</th>
<th>Aluminum Shroud</th>
<th>Shroud w/1/4&quot; NPT Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>7427782</td>
<td>0.635cm x 24</td>
<td>1.0cm</td>
<td>19.8cm</td>
<td>0.18cm</td>
<td>4.2</td>
<td>7425303</td>
<td></td>
<td>2151-395-002</td>
</tr>
<tr>
<td>7427801</td>
<td>0.79cm x 24</td>
<td>1.19cm</td>
<td>22.30cm</td>
<td>0.023cm</td>
<td>8.5</td>
<td>7425465</td>
<td>7425448</td>
<td>2151-351-004</td>
</tr>
<tr>
<td>7427971</td>
<td>0.95cm x 24</td>
<td>1.4cm</td>
<td>27.61cm</td>
<td>0.30cm</td>
<td>16</td>
<td>7425199</td>
<td></td>
<td>7428378</td>
</tr>
<tr>
<td>7427877</td>
<td>0.47cm x 32</td>
<td>0.80cm</td>
<td>18.79cm</td>
<td>0.15cm</td>
<td>2.8</td>
<td>7425199</td>
<td>7427225</td>
<td>2151-380-001/002</td>
</tr>
<tr>
<td>7427802</td>
<td>0.79cm x 32</td>
<td>1.2cm</td>
<td>28.7cm</td>
<td>0.23cm</td>
<td>11.5</td>
<td>7425317</td>
<td></td>
<td>2151-371-002</td>
</tr>
<tr>
<td>7427794</td>
<td>0.95cm x 32</td>
<td>1.4cm</td>
<td>35.2cm</td>
<td>0.3cm</td>
<td>23</td>
<td>7425073</td>
<td>7425199</td>
<td>2151-351-001</td>
</tr>
<tr>
<td>7427786</td>
<td>0.47cm x 24</td>
<td>0.80cm</td>
<td>14.90cm</td>
<td>0.15cm</td>
<td>2.3</td>
<td>7425303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7427796</td>
<td>0.95 -0.79cm x 44</td>
<td>1.4cm</td>
<td>40.90cm</td>
<td>0.23cm</td>
<td>19</td>
<td>7425544</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2151-424-001</td>
<td>0.95-0.79cm x 40</td>
<td>1.4cm</td>
<td>40.90cm</td>
<td>0.53cm</td>
<td>19</td>
<td>7425544</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7427784</td>
<td>1.27-0.95cm x 44</td>
<td>1.7cm</td>
<td>49.9cm</td>
<td>0.71cm</td>
<td>37.5</td>
<td>7425586</td>
<td>7425493</td>
<td></td>
</tr>
<tr>
<td>7427778</td>
<td>1.27cm x 24</td>
<td>1.7cm</td>
<td>39.90cm</td>
<td>0.39cm</td>
<td>34.5</td>
<td>7425199</td>
<td>7425174</td>
<td>2151-351-003</td>
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</tbody>
</table>

### Stream Mixers and Metal Shrouds

<table>
<thead>
<tr>
<th>Part No.</th>
<th>ID x Elements</th>
<th>OD Diameter</th>
<th>L Length</th>
<th>A Orifice</th>
<th>Volume in CC’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>7425120</td>
<td>0.95cm x 12</td>
<td>1.4cm</td>
<td>16.8cm</td>
<td>0.10cm</td>
<td>8</td>
</tr>
<tr>
<td>7425572(C5), or 2151-461(Alum), 2151-461-001(CS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Bayonet Mixers for 2200-545-037 Valve

#### Robotic Teach Tool

*Teach Tool for 7425098 Stream Mixer: Replaces mixer in metal shrouds*

**Bayonet Mixers for 2200-545-037 Valve**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>ID x Elements</th>
<th>OD Diameter</th>
<th>L Length</th>
<th>A Orifice</th>
<th>Volume in CC’s</th>
</tr>
</thead>
<tbody>
<tr>
<td>7427804</td>
<td>0.39cm x 17</td>
<td>0.58cm</td>
<td>8.15cm</td>
<td>0.2cm</td>
<td>0.75</td>
</tr>
<tr>
<td>7427805</td>
<td>0.39cm x 13</td>
<td>0.58cm</td>
<td>6.6cm</td>
<td>0.2cm</td>
<td>0.6</td>
</tr>
<tr>
<td>7427811</td>
<td>0.55cm x 24</td>
<td>0.77cm</td>
<td>11.48cm</td>
<td>0.16cm</td>
<td>2.5</td>
</tr>
</tbody>
</table>

#### Needle Nozzle to Mixer Adapters

<table>
<thead>
<tr>
<th>Part No.</th>
<th>ID x Elements</th>
<th>Color Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1208-155</td>
<td>for 0.47cm ID</td>
<td>White</td>
</tr>
<tr>
<td>1208-156</td>
<td>for 0.635cm and 0.79cm ID</td>
<td>Gray</td>
</tr>
<tr>
<td>1208-157</td>
<td>for 0.95cm ID</td>
<td>Black</td>
</tr>
</tbody>
</table>
No-Drip Fluid Control Valves

2600-060 Control Valves
- Control or dispense valve
- Quick-Service™ cartridge design
- 3/8" NPT(t) inlet/outlet ports
- 344 Bar (5,000 PSI) Max. Inlet
- Double-acting Divorced design
- Carbid Ball Needle and seat


2200-396 Control Valves
- Control or dispense valve
- 1/2" NPT(t) inlet/outlet fluid ports
- 344 Bar (5,000 PSI) Maximum Inlet
- 60:1 Power Ratio
- SST/Alum. wetted parts
- Carbid Ball and seat
- 1/4" NPT(t) inlet/outlet air ports


2100-803 Control Valves
- Control or dispense valve
- 3/4" NPT(m) outlet fluid port
- 275 Bar (4,000 PSI) Max. Inlet
- Select 5:1 or 16:1 Power Ratio
- SST/Alum. wetted parts
- Carbid Ball & hardened seat
- Double Acting divided design
- 1/4" NPT(t) inlet/outlet air ports


2200-087 Control Valves
- Control or dispense valve
- 3/4" NPT(t) inlet fluid port
- 3/4" NPT(m) outlet fluid port
- 344 Bar (5,000 PSI) Max Inlet
- Carbon Steel construction with carbid ball and seat
- 3/4" NPT(t) gauge port


Volume Metering Valves

2600-003 Metering Valves
- Shot Size 0.2 cc - 2.0 cc
- Non-adjust Elasticplastic seal
- Alum./Carbon Steel wetted parts
- 10 Bar (150 PSI) max inlet press.
- 41.3 Bar (600 PSI) max outlet press.
- 3/8" NPT(t) fluid inlet port
- 1/4" NPT(t) fluid outlet port
- 1/8" NPT(t) inlet/outlet air ports
- 7.69cm dia x 16.67cm long body
- Slotted bracket mounting

More Information: www.SealantEquipment.com/2600-003

Material Pressure Regulators

Fluid Regulator Pt. Nr.: 7425206
- 3.4-34 Bar (50-500 PSI) downstream regulator
- 1/2" NPT(t) inlet/outlet fluid ports
- 275 Bar (4,000 PSI) Max. Inlet
- Steel construction with carbide ball and seat


Fluid Regulator Pt. Nr.: 7428167
- 34-275 Bar (500-4,000 PSI) downstream pressure regulator
- 3/8" NPT(t) inlet/outlet fluid ports
- 413 Bar (6,000 PSI) max inlet
- Stainless Steel construction with carbide ball and seat
- Includes fluid pressure gauge


Fluid Regulator Pt. Nr.: 7425734
- 17-310 Bar (250-5,000 PSI) downstream pressure regulator
- 3/4" NPT(t) inlet/outlet fluid ports
- 344 Bar (5,000 PSI) Max Inlet
- Carbon Steel construction with carbide ball and seat
- 3/4" NPT(t) gauge port


Metal and Compliant Nozzles

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Orifice</th>
<th>Code Type</th>
<th>Outlet Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7425358</td>
<td>1/4&quot; NPT</td>
<td>7/8-14 UNC</td>
<td>0.633 OD 7.24cm</td>
</tr>
<tr>
<td>2a</td>
<td>7425460*</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>0.900 OD 7.24cm</td>
</tr>
<tr>
<td>2b</td>
<td>7425487*</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>1.5 mm 4.79cm</td>
</tr>
<tr>
<td>2c</td>
<td>7425105-308</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>2.0 mm 4.77cm</td>
</tr>
<tr>
<td>2d</td>
<td>7425105-200</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>2.5 mm 4.75cm</td>
</tr>
<tr>
<td>2e</td>
<td>7425105-303*</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>2.76 mm 4.77cm</td>
</tr>
<tr>
<td>2f</td>
<td>7425105-004*</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>3.5 mm 4.75cm</td>
</tr>
<tr>
<td>2g</td>
<td>7425105-005*</td>
<td>1/4&quot; NPT</td>
<td>7/16-14 UNC</td>
<td>4.5 mm 4.75cm</td>
</tr>
</tbody>
</table>

* Delrin Material Also available in Carbon Steel as 750-2152-xxx series

Tips for 2200-245-130 Valve and MFG

- 3/4" NPT (FBE) with 1/2" NPT (FBE) Female Seat
- 1/2" NPT (FBE) with 1/2" NPT (FBE) Female Seat
- 1/4" NPT (FBE) with 1/4" NPT (FBE) Female Seat
- SST for Maximum Temperature
- 1/8" NPT (FBE) with 1/8" NPT (FBE) Female Seat
- 1/4" NPT (FBE) with 1/4" NPT (FBE) Female Seat
- 1/4" NPT (FBE) with 1/4" NPT (FBE) Female Seat
- 1/2" NPT (FBE) with 1/2" NPT (FBE) Female Seat
- 1/4" NPT (FBE) with 1/4" NPT (FBE) Female Seat
- 1/2" NPT (FBE) with 1/2" NPT (FBE) Female Seat
- 1/4" NPT (FBE) with 1/4" NPT (FBE) Female Seat

Needle Nozzles

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Type</th>
<th>Outlet Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7425682</td>
<td>1/4&quot; NPT</td>
<td>0.090 OD 0.24cm</td>
</tr>
<tr>
<td>2</td>
<td>7425571</td>
<td>1/4&quot; NPT</td>
<td>0.100 OD 0.26cm</td>
</tr>
<tr>
<td>3</td>
<td>7425592</td>
<td>1/4&quot; NPT</td>
<td>0.125 OD 0.32cm</td>
</tr>
<tr>
<td>4</td>
<td>7425681</td>
<td>1/4&quot; NPT</td>
<td>0.150 OD 0.40cm</td>
</tr>
<tr>
<td>5</td>
<td>7425680</td>
<td>1/4&quot; NPT</td>
<td>0.175 OD 0.45cm</td>
</tr>
<tr>
<td>6</td>
<td>7425589</td>
<td>1/4&quot; NPT</td>
<td>0.200 OD 0.51cm</td>
</tr>
<tr>
<td>7</td>
<td>7425683</td>
<td>1/4&quot; NPT</td>
<td>0.225 OD 0.56cm</td>
</tr>
<tr>
<td>8</td>
<td>7425684</td>
<td>1/4&quot; NPT</td>
<td>0.250 OD 0.63cm</td>
</tr>
<tr>
<td>9</td>
<td>7425685</td>
<td>1/4&quot; NPT</td>
<td>0.275 OD 0.69cm</td>
</tr>
<tr>
<td>10</td>
<td>7425686</td>
<td>1/4&quot; NPT</td>
<td>0.300 OD 0.75cm</td>
</tr>
<tr>
<td>11</td>
<td>7425687</td>
<td>1/4&quot; NPT</td>
<td>0.325 OD 0.84cm</td>
</tr>
<tr>
<td>12</td>
<td>7425688</td>
<td>1/4&quot; NPT</td>
<td>0.350 OD 0.94cm</td>
</tr>
<tr>
<td>13</td>
<td>7425689</td>
<td>1/4&quot; NPT</td>
<td>0.375 OD 1.04cm</td>
</tr>
<tr>
<td>14</td>
<td>7425690</td>
<td>1/4&quot; NPT</td>
<td>0.400 OD 1.14cm</td>
</tr>
<tr>
<td>15</td>
<td>7425691</td>
<td>1/4&quot; NPT</td>
<td>0.425 OD 1.24cm</td>
</tr>
<tr>
<td>16</td>
<td>7425692</td>
<td>1/4&quot; NPT</td>
<td>0.450 OD 1.34cm</td>
</tr>
</tbody>
</table>

Fluid Control and Valve Accessories

Plastic Nozzles

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Inlet</th>
<th>Outlet</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7427862</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>2</td>
<td>7427863</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>3</td>
<td>7427864</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>4</td>
<td>7427865</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>5</td>
<td>7427866</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>6</td>
<td>7427867</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>7</td>
<td>7427868</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>8</td>
<td>7427869</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>9</td>
<td>7427870</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
<tr>
<td>10</td>
<td>7427871</td>
<td>1/4&quot; NPT</td>
<td>0.150cm</td>
<td>6.35cm</td>
</tr>
</tbody>
</table>

* Delrin Material ** Skive End
Nordson® Rhino bulk unloaders are designed to dispense high-viscosity, ambient-temperature adhesives and sealants for a variety of manufacturing applications. These durable bulk unloaders provide superior flow properties and ease-of-operation in dispensing high-viscosity adhesive and sealant materials.

**Modular Design**
Allows for flexibility to accommodate changes in application requirements. Air motors, pumps and follower plates are interchangeable to allow easy system configuration.

**Large Internal Passages To Increase Pump Efficiency**
By minimizing flow resistance and material shearing internally, more consistent material viscosity is maintained with reduced material degradation.

**Fast Air Motor Changeover For Uniform Material Output**
Rapid-cycling, dual air-piloted valve provides consistent material pressure. External mounting facilitates service.

**Oil-less Air Motor**
Provides environmentally friendly power and reduced maintenance time.

**Flange-Mounted Packing Gland**
Allows for quick packing removal with no special tools.

**Patented Wear-Resistant Coating Design Assures High Performance, Long Life**
XD Rhino Bulk Unloaders feature ScoreGuard® wear resistant coating that provides superior performance and toughness over other coatings used in wear applications. Twice as hard as conventional hard chrome plating, ScoreGuard coating has excellent corrosion resistance and is warranted* to provide maximum life for superior durability and operating performance.

**Optional Extras**
- Container sizes:
  - 20 Litre (5-gallon)
  - 286mm (11.25 inch), 280 mm, 305 mm pail diameters
  - 200 Litre (55-gallon)
  - 22.5-inch (584 mm) drum diameter
- Application specific follower plate seals
- Low/empty drum indication with light towers
- Automatic changeover – electric or pneumatic
- Automatic depressurization
- Pump runaway
- Air regulator
- XD version for abrasive materials

<table>
<thead>
<tr>
<th>Ratio</th>
<th>Air Motor Size</th>
<th>Volumetric Displacement</th>
<th>Maximum Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>48:1</td>
<td>253mm (10&quot;)</td>
<td>131 cm³ /stroke</td>
<td>4.2 Litres/min*</td>
</tr>
<tr>
<td>65:1</td>
<td>253mm (10&quot;)</td>
<td>95 cm³ /stroke</td>
<td>2.8 Litres/min*</td>
</tr>
</tbody>
</table>

*Output dependent upon material viscosity, temperature, filters and system configuration

Pail, 30-gallon, and 55-gallon frame sizes are available for all models.
Specialty Valves and Custom Application Solutions for Adhesives, Sealants and Lubricants

Dispense Valve Tooling | Robot Integration
XYZ Automation | Encapsulating | Slot Ribbon
Gasketing | Streaming | Extruding
Coating | Potting

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