Retractable, Dust-Free Loading Spouts
Load or Stack Any Dry Material – Without Dust

Whether you’re loading or stacking, Sly makes a spout that will handle any dry material you need to move. Sly spouts are ideal for radial stacking or loading into railroad cars, trucks, ships, barges, containers and barrels. Sly loading spouts let you move powdered chemicals, cements, grain products, sand, gravel, coal or any other dry bulk material—without dust.

Internal Stacking Cones Give Maximum Flexibility, Maximum Clearance

Sly spouts make clearance problems a thing of the past. Internal stacking cones telescope for maximum flexibility when loading, and maximum clearance when not in use.

Standard cones are 5/16" seamless molded polyethylene. Optional 3/16" abrasion-resistant steel, or 304/316 stainless steel cones are available.

Tough Spouts for Tough Jobs

Sly spouts are built to take it - because we know how tough your job can get. You’ll find heavy duty construction, fully enclosed electricals, durable 3 phase 60 Hz, 230/460 volt drive motor, RoadStar® 18 shroud, and many other design features which make it easy to use

Operator’s Control Pendant

Momentary contact “Up” and “Down” push buttons and an on/off selector switch to activate a product feed device are housed in a N.E.M.A.-4X enclosure with 12 feet of cable.

Slack-Cable Limit Switches

For hatched truck and railcar filling with “PV” series loading spouts, contact with the hatch causes the hoist cables to become slack. These normally open switches disengage the motor and drive, prohibiting further unwinding of the cables.

Level Sensors

A level sensor extends into the container being filled. When the product reaches the level sensor, a switch is activated to generate a signal to the operator, or to automatically stop material flow.

Negative Air Control Switch

This switch activates the negative air system when the spout is extended and turns the system off when the spout is retracted to the “Full-Up” position.

Hatch Adaptor Kits

Hatch adaptor kits are designed to seal the loading spout into square, or slotted rail car hatches. These kits are easy to install without tools.

Explosion-Proof Components

These explosion-proof electrical and pneumatic controls are designed for use in hazardous areas such as chemical plants or grain elevators. Anti-static devices may be installed to dissipate static electricity.

Fully Enclosed Electricals

All electricals are fully enclosed to ensure long life and safe operation. A “Full Up” and “Fully Extended” rotary limit switch is a standard feature on all motorized models. A rugged control pendant housed in a N.E.M.A. 4x enclosure and slack cable limit switches are available.

Durable RoadStar® 18 Shroud Controls Dust

To control dust, all Sly spouts feature the durable RoadStar® 18 shroud. Fugitive dust remains inside the shroud and is pulled back into the product flow by negative air pressure.

Inner-sewn rings cause the shroud to fold inward as the spout retracts, ensuring maximum clearance in the retracted position.

Easy To Use

Spout movement is controlled by a rotary limit switch which automatically senses and responds to “Full Up” and “Fully Extended” spout positions. This feature protects the hoist drive mechanism.

The entire RoadStar® 18 shroud assembly is built to hang tough, even under extreme conditions. The shroud remains flexible in temperatures ranging from -40°F to +180°F. It resists abrasion, aging due to ozone and ultra-violet rays, and degradation from chemical attack. Optional Hypalon® shroud material is available.

Options For Specialized Efficiency

Spout Positioners

Pendant-controlled, single and dual direction spout positioners allow the operator to easily position the spout for loading. The spout positioner is extremely useful for loading a variety of railroad cars, such as offset and center dome hatches. The positioner is also effective for loading open trucks with centerline ridge poles and for ease in spotting trucks and rail cars.

Construction Materials

For extra tough applications, Sly loading spouts are available in abrasion-resistant steel as well as in 304 and 316 stainless steel.

Integral Dust Filter

Any Sly spout may be integrally assembled to a Sly “IDF” filter. This self-contained dust filter includes a bag cleaning system and exhaust fan. Fugitive dust generated during product loading is ventilated through the spout and into the filter where it is recycled back into the material flow.

Raised Face Inlet Flange

ANSI drilled inlet flanges are available for all Sly spouts.

Du Pont deNemours & Co., Inc.
Sly Incorporated represents more than 134 years of experience in design and manufacturing. With the most modern research and engineering refinements, Sly produces quality-built, trouble-free Loading Spouts. They are unexcelled for reliable and heavy duty performance - even in the most demanding applications.

Shipped ready to install, Sly Loading Spouts provide excellent product flow and clean handling, as well as reduced product loss, operating costs and maintenance expenses.

Spouts may be ordered with a full line of support equipment and back-up engineering service for custom applications. A variety of mounting configurations and product contact materials are available to fit each application, including stainless steel parts for use with foods or corrosive products.

Retractable internal stacking cones reduce spout wear and dusting by maintaining straight product flow through the spout. The cones achieve this desired flow pattern by breaking up swirling air currents which, unchecked, would draw product into the negative air stream.

Optional “EZview”® Viewing Ports Reduce Waste Due To Overfilling

All “XP” series spouts can be supplied with Sly’s patented “EZview” conical lower weldment. This feature allows visual monitoring of the filling process and sampling without having to raise the spout.

Dual-Purpose Spout

The dual-purpose spout is designed for loading both hatched top or open-style rail cars and trucks. The dual-purpose spout comes with dual function controls and open-stacking neoprene skirt.

Additional Options

Also available are Sly Inc. dust collectors, viewing collar lighting and many other useful accessories. For more information, contact our sales department.

“EZview” is a registered trademark of Sly Inc., U.S. Patent No. 4,557,364.
Finger-Tip Controls make it easy to extend and retract spout.

Level Sensor controls loading spout movement as pile is being formed.

Internal Stacking Cones provide maximum overlap for maximum clearance when retracted. Each polyethylene cone has a 2" wide steel belt to which cables are attached.

Anti-Plugging Sensor eliminates product back-up into spout.

Durable RoadStar® 18 Shroud resists wear from abrasion and corrosion, resists oil and flame propagation, stays flexible in temperature extremes from 40°F below zero to 180°F above.

“EZview™” Ports Available to Prevent Spillage and Product Loss (Open Stacking Model Shown).

Fully Enclosed Electricals for Long Life and Safe Operation.

Job-Tested to Ensure Reliable Performance.

Back-Up Engineering for Custom Applications.

Spouts Can Be Vented to a Sly Dust Collector.

All loaders are shipped completely assembled.

Sly Inc. keeps a complete inventory of replacement parts on hand at all times to help you maintain your equipment without costly down-time.
<table>
<thead>
<tr>
<th><strong>Spout</strong></th>
<th><strong>Recommended Usage</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>“Model T” (Hand Crank)</strong>&lt;br&gt;Manually Operated&lt;br&gt;Saves money, offers flexibility. Same performance as our PV-8 but eliminates the motor.</td>
<td>Pails, boxes, drains, flexible bulk containers, tote bins, trucks and railcars.</td>
</tr>
<tr>
<td><strong>LP-8, LP-10</strong>&lt;br&gt;Low Profile Spout For Tight Spaces&lt;br&gt;Low profile spout has a retracted height of only 20&quot; with a 36&quot; vertical travel...great for close quarter loading or retrofits.</td>
<td>Pails, boxes, 55 gallon drums, flexible bulk containers, tote bins, some enclosed trucks and railcars.</td>
</tr>
<tr>
<td><strong>PV And XP</strong>&lt;br&gt;Standard Spout&lt;br&gt;The best value spout for most uses. Has internal stacking cones to direct material flow. When used with a negative pressure dust collection system, it is truly dust-free.</td>
<td>Truck, rail car, tote bin, flexible bulk containers, carton, drum.</td>
</tr>
<tr>
<td><strong>PV And XP, OS Series</strong>&lt;br&gt;Open Stacking Spout&lt;br&gt;Comes standard with product level sensors and control circuits to maintain contact between dust skirt and material pile being formed.</td>
<td>Open stacking, open rail cars, open trucks.</td>
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</table>
The following information is provided to demonstrate the wide range of dimensions and capacities available in Sly Loading Spouts.

Upon request, our sales department will offer equipment recommendations to accommodate any application.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Max. Loading Capacity (CFM)*</th>
<th>Max. Vertical Travel (Ft.)</th>
<th>Max. Flush Inlet Dia. (In.)</th>
<th>Outlet</th>
<th>Negative Air Connection</th>
<th>Recommended Neg. Air (x 100 CFM)**</th>
<th>Hoist Drive</th>
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<tbody>
<tr>
<td>Model T-8</td>
<td>200</td>
<td>14</td>
<td>8</td>
<td>To Suit</td>
<td>6</td>
<td>3.5-5</td>
<td>Manual</td>
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<tr>
<td>Model T-10</td>
<td>300</td>
<td>15</td>
<td>10</td>
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<td>12</td>
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<td>PV-8†</td>
<td>200</td>
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<td>16</td>
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<td>6</td>
<td>5-8</td>
<td>1/2HP</td>
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<td>XP-8 O.S.</td>
<td>200</td>
<td>14</td>
<td>16</td>
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<td>6</td>
<td>8-10</td>
<td>1/2HP</td>
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<td>10</td>
<td>9-12</td>
<td>1 - 1-1/2HP</td>
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<tr>
<td>XP-12 O.S.</td>
<td>400</td>
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†These “Performance & Value” spouts are available with limited options for expedited delivery and economy. All operating specifications remain the same.

*Flow Rates are approximate and based on free-flowing materials. These rates will vary in relation to associated peripheral equipment (i.e. valves, conveyors, etc.) and individual product characteristics and classification.

**These values are recommendations only and are sufficient for most loading applications. EZview® lower weldment may require increased negative air.

Sly keeps a complete inventory of replacement parts on hand at all times to help you maintain your equipment without costly down-time. Call 1-800-334-2957.