

MADE IN  
**USA**  
WITH EXPERIENCE.  
QUALITY AND PRIDE

## Retractable, Dust-Free Loading Spouts



**SLY** INC  
TECHNOLOGY FOR A  
CLEAN ENVIRONMENT

# 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

clear that obsolescence is *not* a part of the plan at Sly.

## 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.

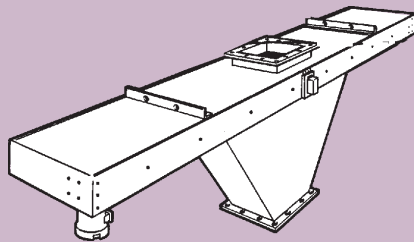
Inner-sewn rings cause the shroud to fold inward as the spout retracts, ensuring maximum clearance in the retracted position.

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.

## 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.

RoadStar® is a registered trademark of Dickson Alberton Mills  
Hypalon is a registered trademark of E.I.  
Du Pont de Nemours & Co., Inc.



## 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.

## 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.

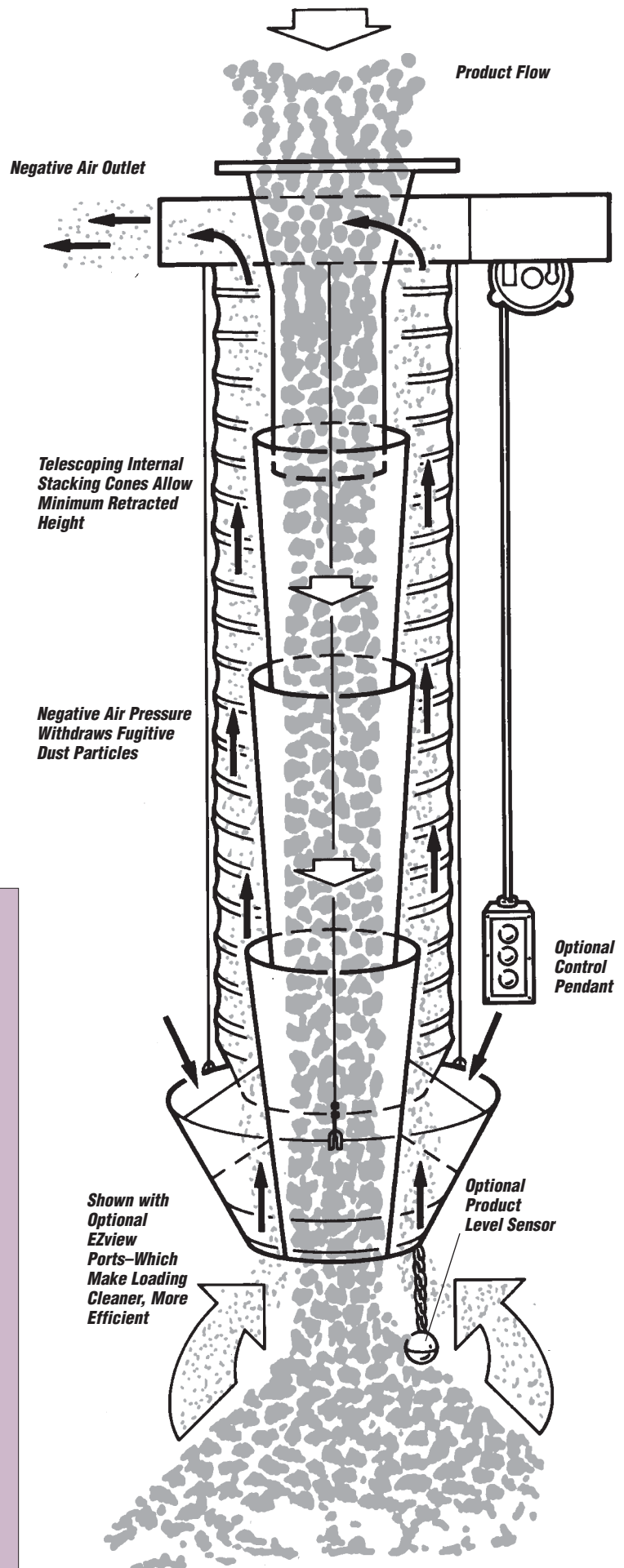
Sly Incorporated represents more than 120 years of experience in design and manufacturing. With the most modern research and engineering refinements, Sly produces quality-built, trouble-free Loading Spouts. They are unexcelled for reliable and heavy duty performance - even in the most demanding applications.

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**

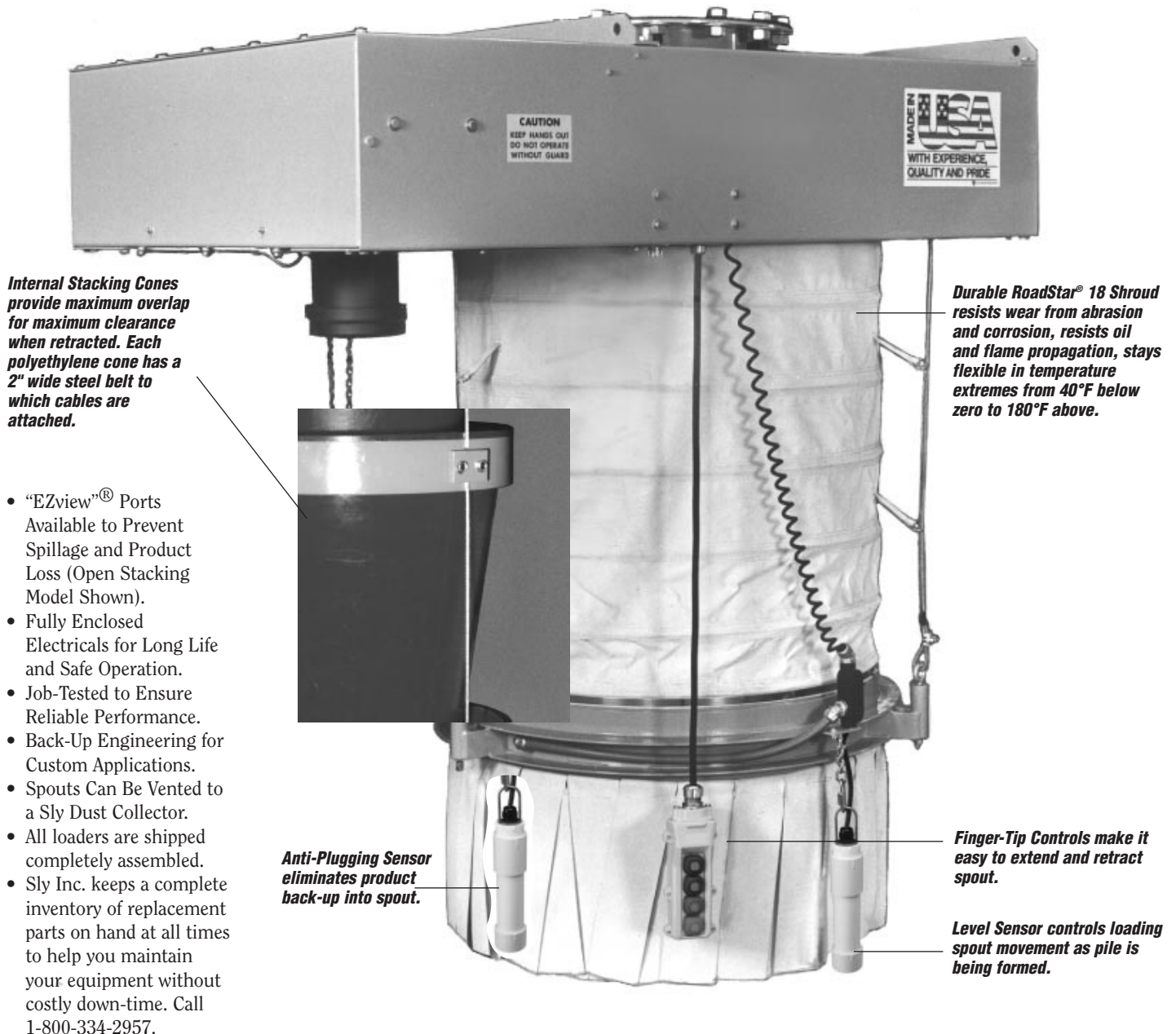
The dual-purpose spout is designed for loading both hatched top or open-style rail cars and trucks. The dual-purpose spout comes with dual function controls and open-stacking neoprene skirt.

**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.

# The Details That Make The Difference



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# Spout Selector Guide

## Spout

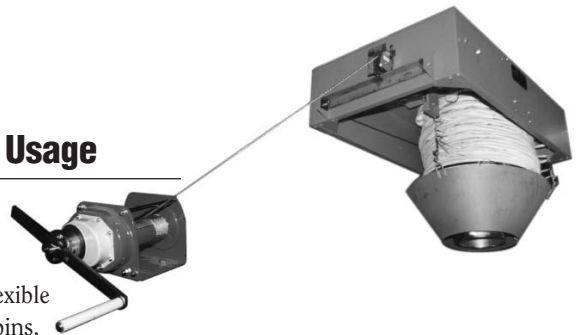
### “Model T” (Hand Crank)

#### Manually Operated

Saves money, offers flexibility. Same performance as our PV-8 but eliminates the motor.

## Recommended Usage

Pails, boxes, drains, flexible bulk containers, tote bins, trucks and railcars.



### LP-8, LP-10

#### Low Profile Spout For Tight Spaces

Low profile spout has a retracted height of only 20" with a 36" vertical travel...great for close quarter loading or retrofits.

Pails, boxes, 55 gallon drums, flexible bulk containers, tote bins, some enclosed trucks and railcars.



### PV And XP

#### Standard Spout

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.

Truck, rail car, tote bin, flexible bulk containers, carton, drum.

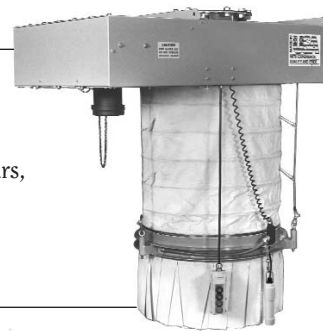


### PV And XP, OS Series

#### Open Stacking Spout

Comes standard with product level sensors and control circuits to maintain contact between dust skirt and material pile being formed.

Open stacking, open rail cars, open trucks.



# General Specifications

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.

Model No.	Max. Loading Capacity (CFM)*	Max. Vertical Travel (Ft.)	Max. Flush Inlet Dia. (In.)	Outlet	Negative Air Connection	Recommended Neg. Air (x 100 CFM)**	Hoist Drive
Model T-8	200	14	8	To Suit	6	3.5-5	Manual
Model T-10	300	15	10	To Suit	8	3.5-5	Manual
LP-8	200	4	12	To Suit	4	3.5-5	Air Cylinder
LP-10	300	4	12	To Suit	6	7-10	Air Cylinder
PV-8†	200	14	16	Conical	6	5-8	1/2HP
PV-10†	300	15	16	Conical	8	7-10	1/2HP
XP-8	200	14	16	Conical	6	5-8	1/2HP
XP-8 O.S.	200	14	16	Skirt	6	8-10	1/2HP
XP-10	300	15	16	Conical	8	7-10	1/2HP
XP-10 O.S.	300	15	16	Skirt	8	10-12	1/2HP
XP-12	400	20	18	Conical	10	9-12	1 - 1-1/2HP
XP-12 O.S.	400	20	18	Skirt	10	12-15	1 - 1-1/2HP

†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.



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