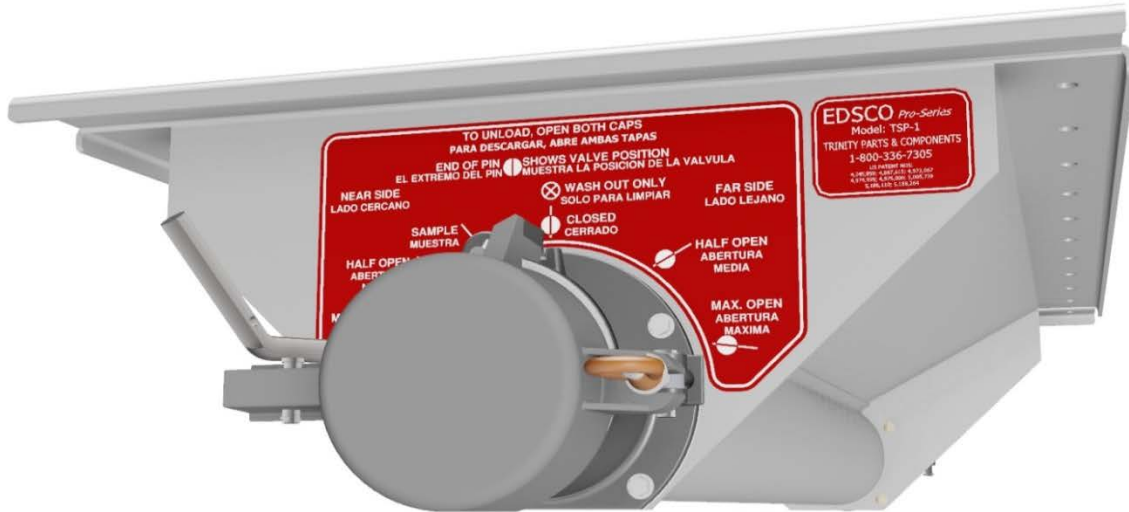


EDSCO *Pro-Series*™ Plastics Outlet Gate Operating Manual



August 1, 2016



WARNING: These instructions are intended for those who are familiar with operating and performing maintenance on the outlet gate and for those with sound railroad safety training. When operating and performing maintenance, the safety instructions, warnings, and recommendations contained in this Manual must be followed. Please read all instructions before operating and performing maintenance on the outlet gate to ensure the safety of the workers and bystanders.

This Manual should be available to workers at all times. For additional copies, contact Trinity Parts & Components at: Trinitypartssales@trin.net or TrinityRail at: Productmanagement@trinityrail.com

The instructions in this Manual supersede all previous versions. All information, illustrations, and specifications in this Manual are based on the latest **EDSCO** Plastics Outlet Gate information available at the time of printing. We reserve the right to make changes at any time.



Built to Deliver®

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CUSTOMER SERVICE CONTACTS & ORDERING REPLACEMENT PARTS

Please read and follow the safety instructions, warnings, and recommendations contained in this **EDSCO *Pro-Series*™** Operating Manual. If you have questions regarding any of this information, please do not hesitate to contact Trinity Parts and Components, LLC and/or Trinity North American Freight Car, Inc. (“TrinityRail”) Customer Service by calling the telephone numbers or sending a fax to the fax number below:

TRINITY PARTS & COMPONENTS, LLC:	
Telephone:	800-336-7305
Fax:	817-378-2003
TRINITYRAIL CUSTOMER SERVICE:	
Telephone:	800-227-8844

The following information is required by our Customer Service Department to properly process the order:

- Car Number and Reporting Marks (The File or Job Number is stamped into the side of the car at the “BL” corner).
- Year built (Stenciling on the car side)
- Trinity Part Numbers in this Manual used to identify the Door System parts. A Customer Service Representative can assist with car body/under frame parts and specialty items
- Shipping Address (Shipping preferences if desired)
- Billing Address
- Purchase Order Number (To be confirmed by written purchase order)

Trinity Parts & Components
2548 NE 28th St.
Fort Worth, TX 76111

OVERVIEW

This manual guides you through the steps required to perform suggested operation of the gate.

- Safety Procedures
- Wash and Clean Procedures
- Unloading Procedures
- Sampling Procedures

INTRODUCTION

For over three decades, the **EDSCO** gate has provided a total solution across all performance criteria. No other pneumatic gate offers the combined features that deliver product flexibility, efficient unloading, low maintenance and contamination free performance.

Design:

- Clean bore with obstruction free design allows for easy product flow.
- 30 degree slopes enhances product flow.
- Mounting flange rigidity and uniform gasket compression.
- Cast aluminum adapter with stainless steel nozzle.
- One piece, center supported rod decreases deflection of the valve resulting in enhanced equipment integrity.
- Tamper evidence provisions available when requested.








Operation:

- Single valve rod provides near-side and far-side operation for controlled unloading.
- Exclusive valve rod operation reduces risk of accidental washout by requiring rod to rotate 180°.
- Single handle operation.
- Swing away hinged cap eliminates risk of losing cap.

Maintenance:

- Fewest number of parts of Plastics gates reduces overall life cycle costs.
- Increased customer satisfaction due to lower maintenance costs.
- Reduced parts inventory and maintenance costs.
- Interchangeable and compatible parts with other **EDSCO** models.
- Easy disassemble for cleaning.
- Reduced forces to operate the valve.
- All operating mechanisms enclosed limiting exposure to damage and corrosion.

SAFETY
SAFETY PROCEDURES

	<p>Caution! Read all warnings, cautions, and instructions before operating. Failure to read and follow all warning or caution indicators could result in serious injury or death to workers and/ or bystanders. READ ALL SAFETY INSTRUCTIONS THOROUGHLY AND FOLLOW THE SAFE OPERATION PRACTICES WHILE OPERATING.</p>
	<p>WARNING: Follow all standard industry and specific shop or plant safety rules, personal protective equipment provisions and “Blue Flag Policy.”</p>
	<p>WARNING: Pinch points can cause severe personal injury.</p>
	<p>WARNING: Operations must be conducted on a solid track that is level. The handbrake must be set and the car chocked so it cannot move.</p>
	<p>WARNING: Use only replacement parts authorized by TrinityRail.</p>
	<p>WARNING: If the outlet gate does not close properly, the car should not be used until the issue has been corrected.</p>
	<p>WARNING: Before servicing any equipment, refer to operating and maintenance manual.</p>

WASH AND CLEAN INSTRUCTIONS – PREPARE FOR LOADING (SEE FIGURE 1)







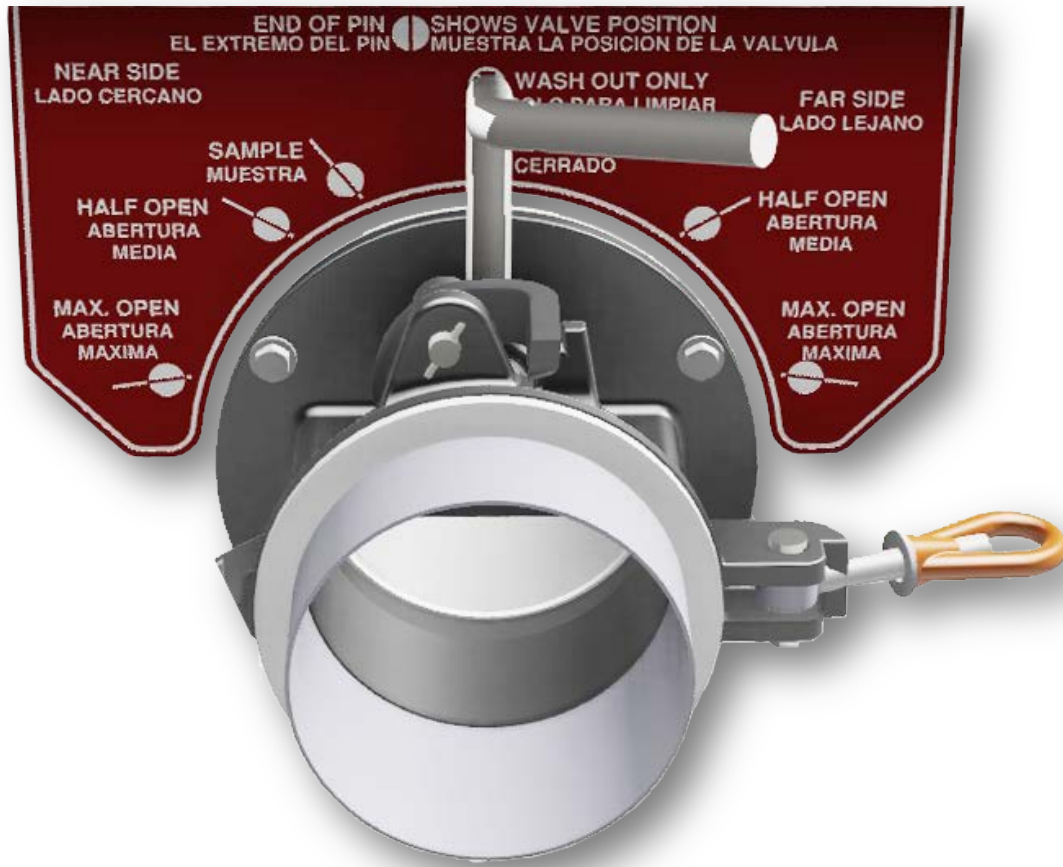
Step	Action
1.	Open caps and disengage handles from pin  on <i>both</i> sides of car. Place handles horizontally, to right side.
2.	With handle horizontal, engage one handle only with pin  (This can be done on either side of car).
3.	Rotate handle and pin  180 degrees from right side to the left. The pin will show in  in the top center location.
4.	The valve is now <i>fully open</i> on both sides. Wash and swab dry.
5.	Rotate handle and pin back 180 degrees to right side. Pin will show  in the top center location.
6.	Disengage handles from pins, position all handles horizontally to right (side next to eye nut). Pins on both sides of car should be vertical with the  visible and facing up at the “Closed” position.
7.	Close all caps on both sides of car. The shaft lock will engage lug on cap & locks shaft in closed position with both caps closed.
8.	Before or after loading car, apply car seal <i>through</i> hole in handle and eye nut. Draw down tight.

FIGURE 1: WASH OUT



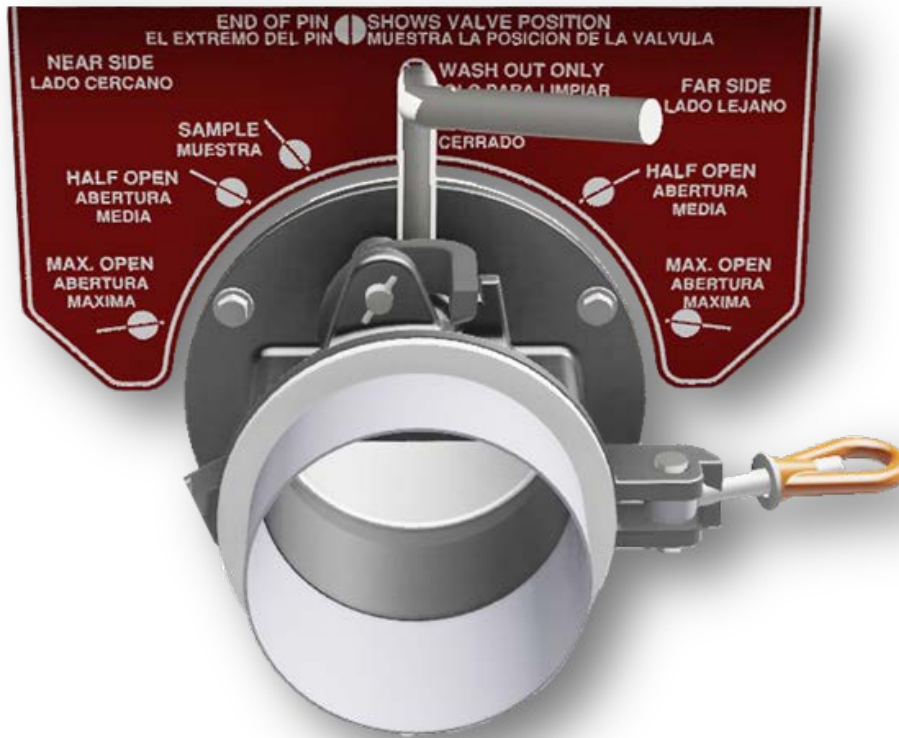
UNLOADING INSTRUCTIONS (SEE FIGURE 2 & 3)

Step	Action
1.	Open caps on both sides of car.
2.	Attach vacuum hose to nozzle.
3.	Place caps near side, place handle vertical and engage pin.
4.	Rotate handle and pin to “far-side” open position.
5.	Adjust flow rate by positioning handle between full open & closed.
6.	Rotate handle to “near side” open to empty any remaining product.
7.	When empty, rotate handle and pin to close on both sides.
8.	Remove vacuum hose.
9.	Close caps on both sides of car.

FIGURE 2: MAXIMUM OPEN

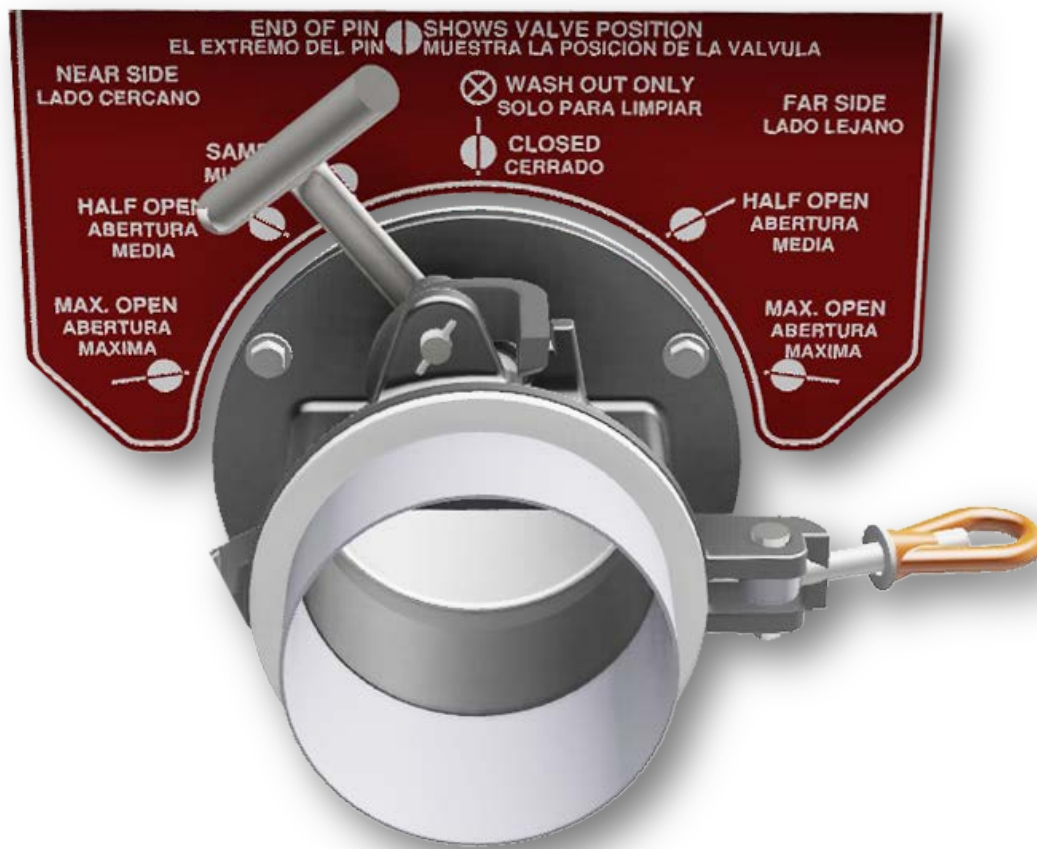


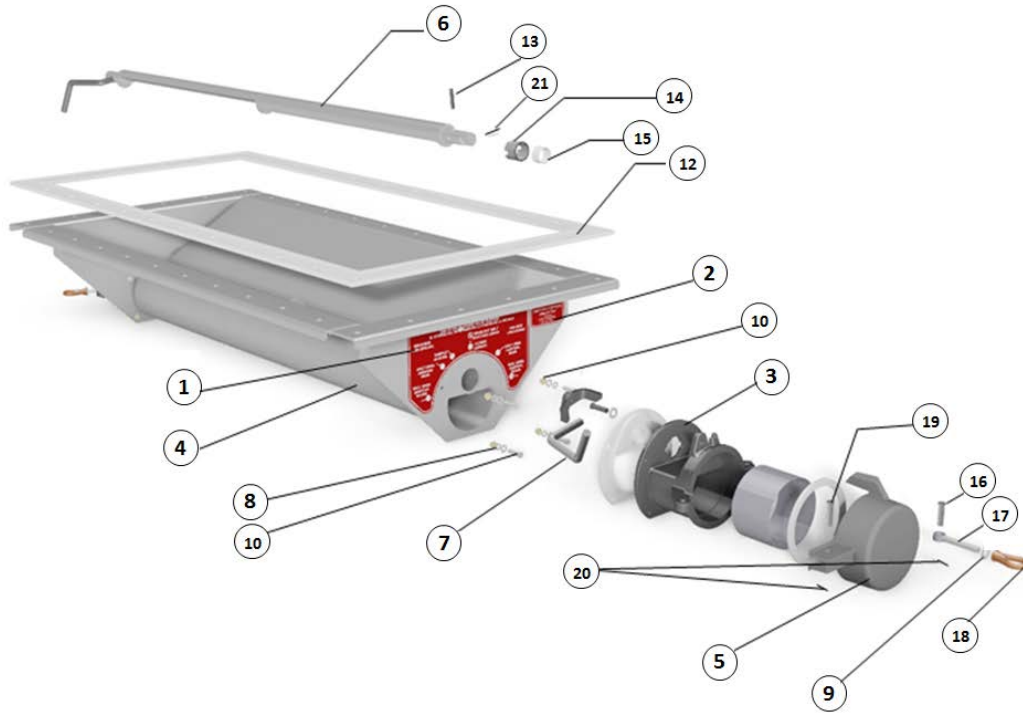
FIGURE 3 FULLY CLOSED



SAMPLING INSTRUCTIONS (SEE FIGURE 4)

Step	Action
1.	Rotate handle to vertical, engage pin. Open “near-side” cap only.
2.	Rotate handle and pin to sample position.
3.	Remove sample.
4.	Rotate handle back to the closed position.
5.	To secure the cap, Lift the cap lock.

FIGURE 4: SAMPLE


PARTS LIST AND DRAWING
FIGURE 5: EDSCO Pro-Series™ PLASTICS OUTLET GATE


ITEM	PART NUMBER	DESCRIPTION
1	M-386-2248	DECAL, VALVE POSITION
2	M-386-2273	DECAL, NAME PLATE
3	M-337-80001	GASKET, END TUBE/ VALVE BEARING
4	G-018-80013	GATE SUB ASSY, HOPPER BODY SUB ASSY
5	G-018-80012	GATE SUB ASSY, END TUBE WITH CAP, TAMPER RESISTANT
6	G-018-80007	GATE SUB ASSY, VALVE
7	G-018-80006	GATE SUB ASSY, HANDLE
8	063-79078	WASHER, FLT, TYPE A PLN
9	063-42327	WASHER, SPRG LOCK, 3/8R

10	063-30927	BUTTON HEAD BOLT, PIN IN HEX, 3/8 DIA
11	063-10611	LOCKNUT, HEX, FLG
12	047-37858-C8	MOUNTING GASKET
13	M-355-80014	TURNING PIN
14	M-335-80000	HANDLE BODY
15	G-221-80020	SHAFT SLEEVE
16	063-30928	BUTTON HEAD BOLT
17	F-113-80000	EYE BOLT
18	F-121-80000	EYE NUT
19	M-355-80017	HEADED PIN
20	M-355-80018	ROLL PIN
21	M-355-80016	PIN

Revision	Revision Date	Description of Change	Prepared By	Approved by
1	06.17.16	Initial Draft	Jeremy Ponce	
2	06.29.16	Revised with suggestions from JVS	JP	
3	8.1.2016	Revised with recommendations from Field Services	JP	
4	8.2.2016	Updated formatting	TC	
A	8.4.2016	Updated Formatting and added TM approved by Greg Stimmel in Legal	TC	Jeremy Ponce
A1	8.31.2016	Updated picture on page 11 and standardized font for EDSCO <i>Pro-Series</i>™	TC	