

# END DUMP

OWNER'S MANUAL

*Intramet*





**END DUMP**



# END DUMP

Thank you for choosing us! We are thrilled to be a part of your journey and look forward to supporting you along the way!

Please complete this form right after your purchase

Owner: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Online help



For any question contact your dealer.

Thanks again and enjoy your product

Disclaimer

The driver is responsible for the safe operation of this trailer. For further details keep reading the owner's manual.

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## IMPORTANT SAFETY INFORMATION

**YOU MUST READ THIS MANUAL and get entirely familiar with all of its operation instructions and safety concerns before attempting to load, unload, or operate this trailer. ALWAYS FOLLOW THESE PRECAUTIONS TO AVOID SERIOUS INJURY OR DEATH:**

1. Do not allow unqualified, untrained, or careless personnel to operate the trailer. Do not use the trailer for a purpose for which it was not intended.
2. Each person at the user's facility who may be involved with installing, operating, servicing, inspecting, maintaining, or repairing the trailer must read the complete operating instructions and carefully study and understand the safety instructions. All actual and potential operators should confirm their having done so in writing.
3. The trailer must be serviced and maintained only by authorized knowledgeable personnel for safe operation of the trailer. Only the manufacturer or authorized technicians should carry out more than minor repairs.
4. Do not allow anyone who is not physically fit or mentally alert near the trailer or its operating area. Be constantly alert to possible hazards on or around the trailer.
5. Keep a safe distance at all times from any moving parts.
6. When unloading the trailer:
  - a) Long hair must be protected by headgear.
  - b) Do not wear loose apparel such as ties, scarves, etc.
  - c) Remove all wristwatches and jewelry.
  - d) Wear only approved industrial grade eye protection or a face guard to protect against flying debris.
7. Do not allow tools or other loose objects to be placed on top of or around the trailer.
8. At the very first sign of any problem and before attempting any troubleshooting or maintenance, the trailer must be stopped.
9. Safety features must not be removed, dismantled, altered, put out of operation or relocated. All guards and safety devices are to be re-fitted and in place after changeovers, servicing, or making repairs and before the trailer is used. All safety devices must be checked at regular intervals for correct operation.
10. Do not remove safety signs or warning decals from the trailer. Product safety signs should be periodically inspected and cleaned as necessary. Product safety signs should be replaced when they are no longer legible at a normal viewing distance. Replacements are available from INTRAMET (INGENIERIA EN TRANSFORMACIONES METALICAS S.A DE C.V).
11. Follow all workplace safety and accident prevention regulations applicable to the operation of the trailer. Comply with local, state, and/or federal environment regulations, including those governing airborne dust particles.
12. Designate a person to be responsible at any given time for installation, commissioning, operating and repair of the trailer so the responsibility for safety will not be lost.
13. The trailer has been designed and built with original INTRAMET (INGENIERIA EN TRANSFORMACIONES METALICAS S.A DE C.V) parts only. Only original INTRAMET parts must be used for maintenance or repair. Use of other parts will void your warranty.
14. Do not perform modifications to or reconstruction of the trailer without first getting written approval from INTRAMET.
15. The cleanliness and tidiness of the trailer and its surrounding area must be ensured through appropriate instructions, routine inspections, and cleaning.



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## INSPECTION, SERVICE AND MAINTANCE

### DAILY INSPECTION

It is important that your End Dump trailer be inspected and serviced on a regular basis to keep it in safe and in a functional condition. Regular maintenance will also save you money in costly repairs over time. A daily inspection of the following items should be performed before using the trailer:

<b>Trailer</b>	<b>Suspension &amp; axles</b>	<b>Tarps</b>
<ul style="list-style-type: none"><li>• Hopper</li><li>• Kingpin area</li><li>• Fifth wheel plate</li><li>• Framework</li><li>• Bolts and fasteners</li><li>• Ladder</li><li>• Mud flaps</li></ul>	<ul style="list-style-type: none"><li>• Axle alignment</li><li>• Hub oil level</li><li>• Brake adjustments</li><li>• Brake pad thickness</li><li>• Wheels</li><li>• Tires</li></ul>	<ul style="list-style-type: none"><li>• Tarp hardware</li><li>• Tarps</li></ul>

### PAINT CARE & CORROSION PREVENTION

Your INTRAMET End Dump trailer is painted with a 4-step painting process. This paint is designed to provide longer-lasting corrosion resistance as well as a higher quality finish. Washing your trailer on a regular basis is the greatest method to protect the finish and help prevent corrosion, especially if it has been exposed to road salt or other ice, road oil or tar, or any other potentially corrosive element. Transporting corrosive materials such as salts and fertilizers will void the paint warranty.

Normal use can result in minor nicks or chips in the paint. Repair any chips or scratches in the finish with matching touch-up paint. This is especially crucial for carbon steel trailers since even small sections of bare metal can quickly rust. The expense of mending any chips is the owner's obligation.



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## PREVENTATIVE MAINTENANCE

We recommend that you follow the general preventative maintenance schedule below. The intervals given are for nominal operating conditions; service more frequently if the trailer is used in an overly humid or dusty condition.

### **After the first 50 miles**

- Check torque of cap nuts or flange nuts on each wheel

### **After the first 1,000 miles**

- Check torque of suspension hardware
- Check alignment of suspension

### **Every 5,000 miles or once a month (whichever comes first)**

- Wash trailer thoroughly with a mild detergent and water
- Check general structural condition for corrosion or cracks
- Inspect kingpin area
- Check clearances and torque of air-ride suspension system
- Visually check alignment of suspension
- Check condition of lights
- Check wiring harness for cracking or chafing
- Check hydraulic and pneumatic lines for signs of leakage or wear
- Check hinges on rear door(s) for signs of damage
- Lubricate hinges, latches, and bearings (if applicable) on rear door(s)
- Inspect brake components for proper adjustment and for any sign of damage
- Check tires for excessive wear and proper inflation
- Check wheel nuts for proper torque
- Check wheel seals for leaks
- Check level of oil in axles
- Check conveyor system for excessive wear or damage
- Check condition of tarp system, if installed
- Check condition and security of mud flaps

### **Fifth wheel area inspection**

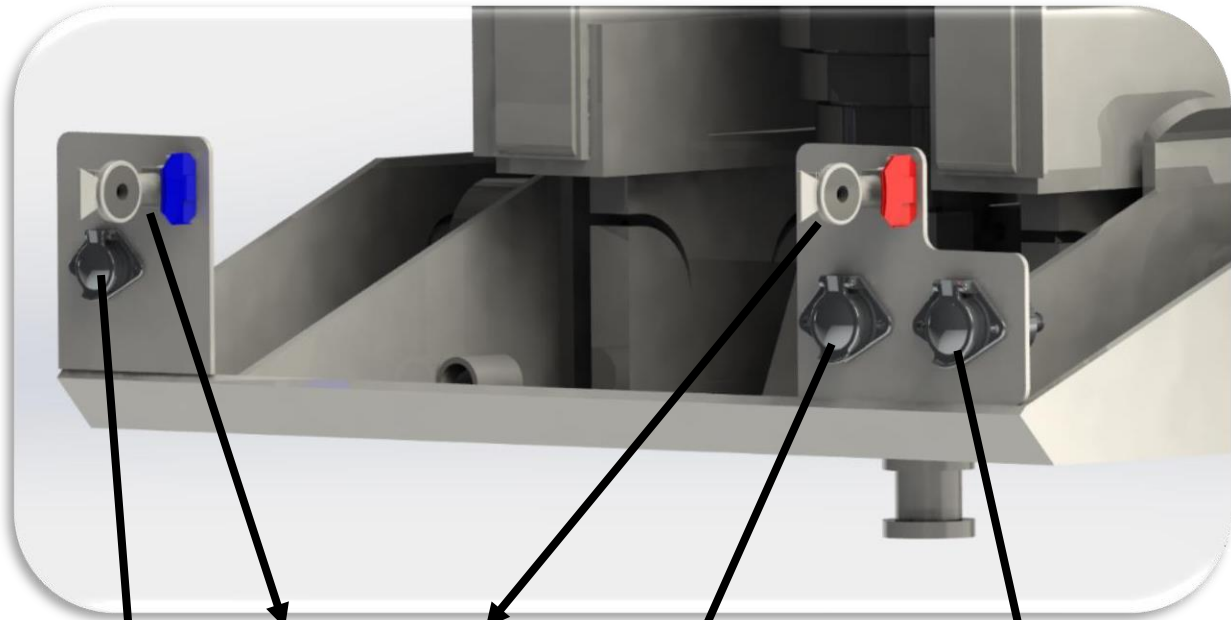
The fifth wheel area must be kept clean and free of dirt and foreign materials. This includes the area between the kingpin plate and the body of the trailer where the conveyor travel. Build of materials can cause binding or other serious damage if allowed to remain in this area.





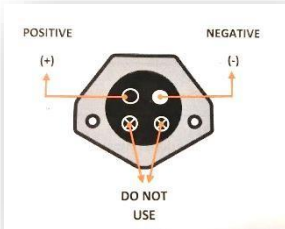
# END DUMP

## FRONT TRAILER CONNECTORS

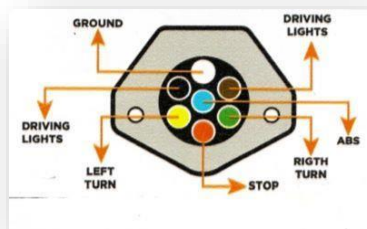


Service Supply

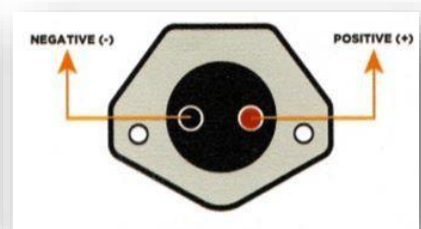
Emergency Supply



# Part: 15-400



# Part: 593084



# Part: 76605

### 4 POLE SOCKET

The 4-pole socket is used to activate the pneumatic cylinder to control the gate.

### 7 POLE SOCKET

The 7-pole socket is a standard plug on all trailers. This connector is used to feed every light of the trailer such as the side marker lights, tail lights, brake lights and the ABS valve for the brake system.

### 2 POLE SOCKET

The electric tarp system, it is connected to this 2-pole socket to operate the tarp



# END DUMP

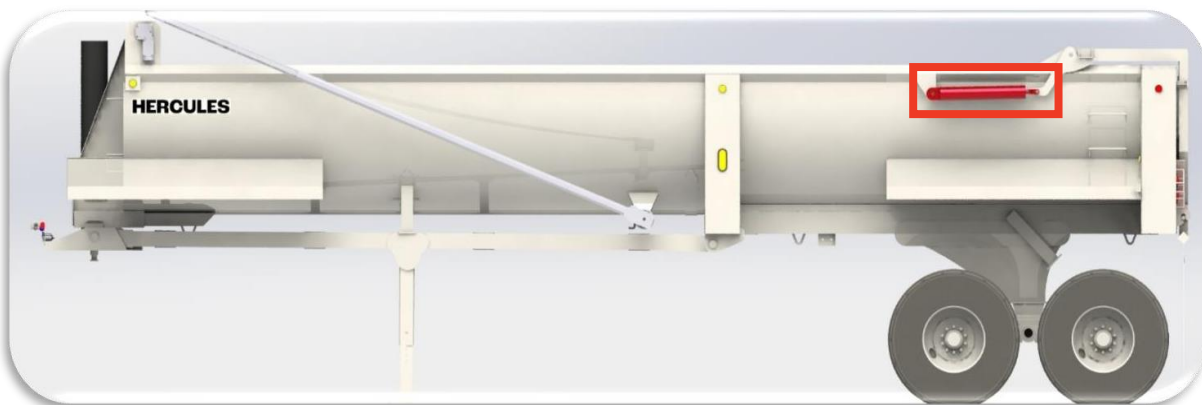
## LIFT GATE CYLINDERS

The gate has a mechanical closing system that works with pneumatic cylinders which an inside valve activates it. This valve, must be installed by the owner.

Once the valve is activated it will open the cylinders to the predetermined position and keep it in place, once the valve is shut off it will close the gates, while still keeping pressure to ensure the gates stay closed.



# Part: CG1BN100-610Z



### WARNING!

- Gates can open because to the weight of the cargo, resulting in property loss, major bodily injury, or death. Make sure the door is properly closed and fastened before getting behind the trailer or loading or towing it.
- Do not get behind a loaded trailer with door(s) open. The contents of the trailer could spill on you, inflicting serious harm or death.

## **WARRANTY INFORMATION**

Custom Hoists, Inc.<sup>®</sup> warrants only products of its manufacture against operational failure caused by defective materials or workmanship which occur during proper and normal use within 24 months from the date of purchase from Custom Hoists, Inc.<sup>®</sup> Custom Hoist, Inc.<sup>®</sup> reserves the right to determine what is proper and normal use.

Packing, wipers, bearings and bushings which are subject to wear caused by internal and external contamination, as well as from normal operating conditions, are not warranty items. Failures initiated by forms of oxidation are also not considered warranty failure.

Custom Hoists<sup>®</sup> shall not, under any circumstances, be liable for labor for removal and installation expenses, loss of time, manufacturing costs, materials, loss of profits, incidental, special or consequential damages, direct or indirect.

Custom Hoists, Inc.'s<sup>®</sup> only obligation is to repair or replace, at its election, free of charge, any part of the product that its inspection shows to be defective and, if appropriate, the lowest round trip transportation charges from Custom Hoists'<sup>®</sup> original customer to Hayesville, Ohio and return, but excluding all transportation costs from Custom Hoists'<sup>®</sup> customer to its customer.

A return authorization number must be obtained from authorized Custom Hoists'<sup>®</sup> personnel prior to returning any products for warranty consideration. All claims must be accompanied by a complete written explanation of claimed defects and the circumstances of operational failure. Products returned for warranty consideration shall be shipped to Custom Hoists<sup>®</sup> freight prepaid with the return authorization attached.

In the event that a product is repaired under warranty, that product shall carry the remainder of the original warranty period.

This limited warranty is in lieu of all other warranties of any nature, express or implied, including, but not limited to, warranties for merchantability or fitness or for any measure of service or suitability or for a specific purpose notwithstanding any disclosure to Custom Hoists® of the use to which the product is to be put.

This express limited warranty is the sole warranty of Custom Hoists, Inc.® There are no warranties which extend beyond the limited warranty herein expressly set forth.

Custom Hoists, Inc.® shall not be liable for loss of time, manufacturing costs, labor, material, loss of profits, incidental, special or consequential damages, direct or indirect, because of defective products, whether due to claims arising under the contract of sale or independently thereof, and whether or not such claim is based on contract, tort or warranty.

The sale of products of Custom Hoists, Inc.® under any other warranty or guarantee, expressed or implied, is not authorized and there are no warranties made to goods or products manufactured by anyone other than Custom Hoists, Inc.®



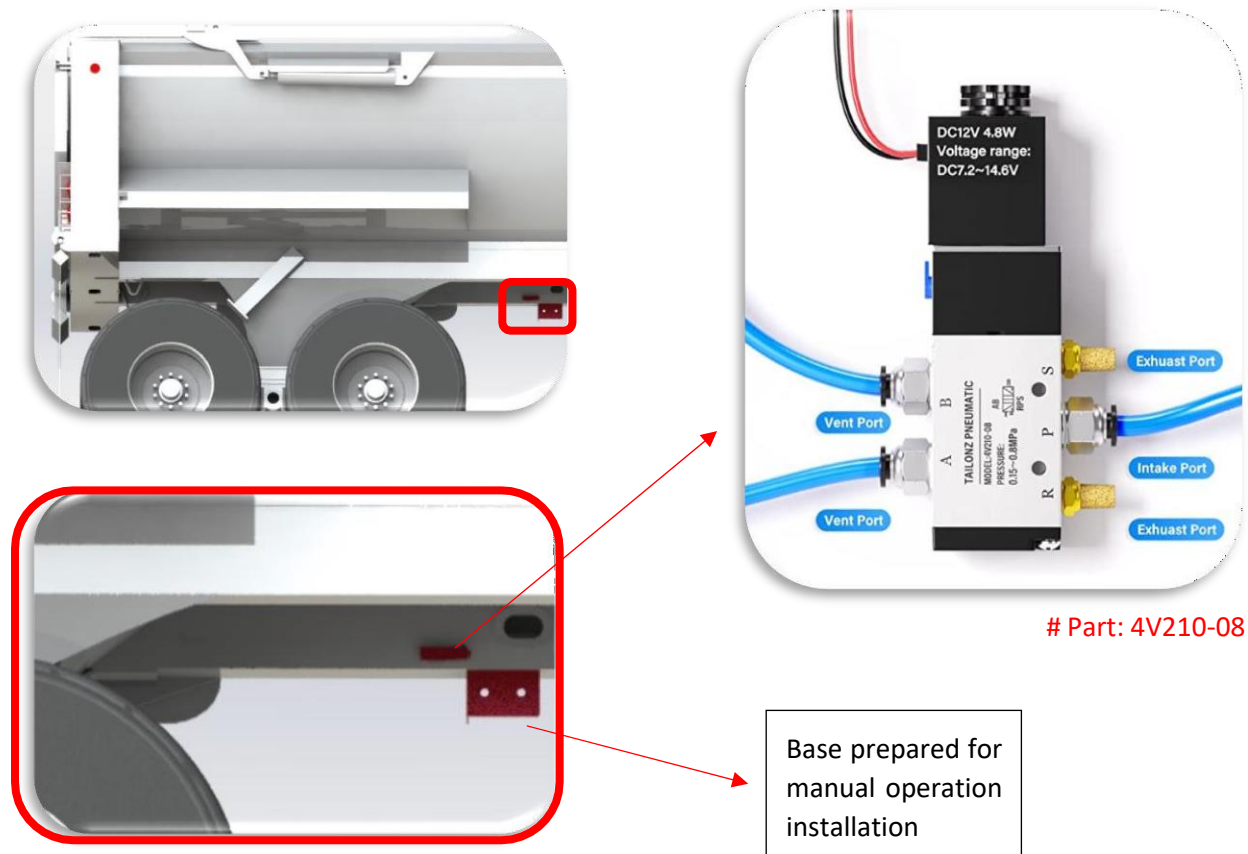
# END DUMP

## OPERATING REAR GATE

### ACTION DOOR

The bottom gate has a mechanical closing system that works with pneumatic cylinders which the versa valve activates. This valve, located in the chassis on the axles, can be activated from inside the cab or manually.

Once the valve is activated it will open the cylinders to the predetermined position and keep it in place, once the valve is shut off it will close the gates, while still keeping pressure to ensure the gates stay closed.



### WARNING!

- Gates can open because to the weight of the cargo, resulting in property loss, major bodily injury, or death. Make sure the door is properly closed and fastened before getting behind the trailer or loading or towing it.
- Do not get behind a loaded trailer with door(s) open. The contents of the trailer could spill on you, inflicting serious harm or death.



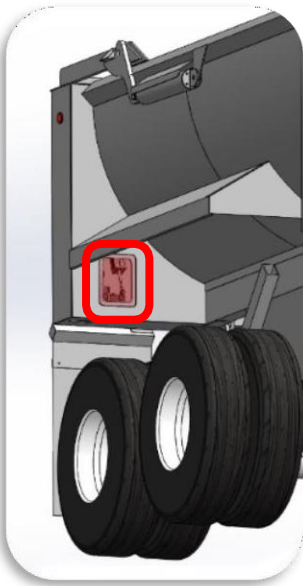
# END DUMP

## ACCESS FOR LIGHTS & CYLINDER TAIL GATE LATCHES

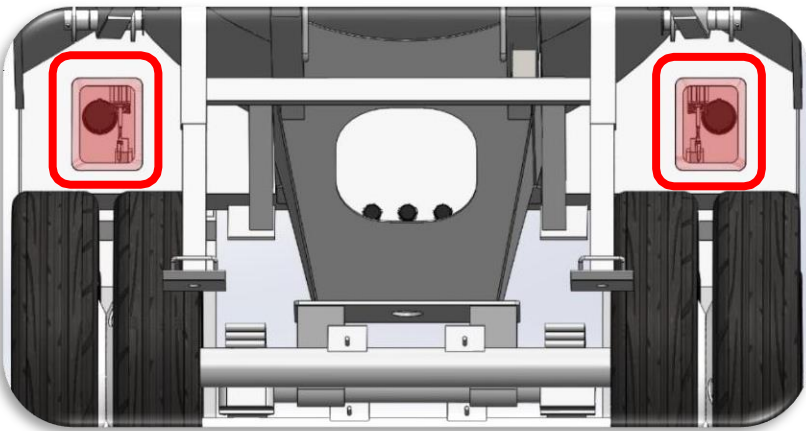
### TAIL GATE LATCHES

Keep your tailgate operating smoothly with Buyers Products Tie Rod Cylinders. Each cylinder houses and protects an enclosed tie rod in a durable extruded aluminum body. The cylinders are ideal for dump truck operators to engage and disengage tailgate latches from inside their vehicle without having to leave the cab.

SIDE VIEW



FRONT VIEW



# Part: TGC25008V



# END DUMP

## HYDRAULIC CYLINDER

### HYVA HYDRAULIC CYLINDER

Hyva designs and manufactures a complete range of telescopic tipping cylinders, both for front-end and underbody applications. The new Hyva cylinder is lightweight, uses less oil and therefore tips and lowers faster and is still very strong, stable and maintenance free.



SIZE (FT)	HYDRAULIC CYLINDER
32	HYVA S84-135
34	HYVA S85-235
36	
38	HYVA S85-281



## I. SCOPE

1. Hyva warranty conditions, as described in this document, are applicable to all Hyva products within the following product groups:
  - Hyva Tipping Solutions
  - Hyva Container Handling
  - Hyva Cranes (ATM cranes: Hyva Crane, Amco Veba, Amco Veba Marine, Ferrari, Kennis)
  - Hyva Waste Handling
  - Truck and Trailer
  - Spare Parts
2. These warranty conditions apply to all Hyva products as stated above worldwide.
3. These warranty conditions are the minimum warranty standards applicable to all Hyva products. This is considered as Hyva standard warranty.

Whenever a product is eligible for the extended warranty, extended warranty conditions are provided in a separate extended warranty document. Otherwise, these warranty conditions shall have priority over any other warranty provisions mentioned in the product documentation including but not limited to the product manuals, instructions and technical specifications.

4. Due to the nature of Hyva Products, most of Hyva customers are considered professional customers, i.e. natural persons who are acting as professionals within the scope of their economic activity (trade, business, craft, liberal profession) or legal entities. If owners are consumers within the meaning of applicable law, i.e. they are acting outside the scope of their economic activity (trade, business, craft, liberal profession), these Warranty Conditions apply to the extent that they do not limit or are in conflict with the protections granted by the applicable consumer protection laws.

## II. WARRANTY CONDITIONS

1. With the exception to Hyva Tipping Solutions products, the warranty is valid only when the Warranty Certificate is properly completed. Hyva reserves the right to refuse warranty service in the absence of the filled-in Warranty Certificate.
2. The warranty covers all defects in product material and workmanship. It is limited to repair of the defect or replacement the defective part or at Hyva's discretion replacement of the product itself. To the extent permitted by law, Hyva explicitly rejects any liability for costs of product fitting and removal, vehicle or product down time, replacement costs, transport or import costs, loss of earnings or profit, any damages caused by Hyva products, including but not limited to any environmental damages or related mitigation or clean-up costs, excessive or unreasonable labor costs.
3. The warranty period for all new products is twelve (12) months from the date of first use of the product as defined below.

Hyva reserves the right to refuse warranty service twenty four (24) months from the product production date.

The warranty period for the spare parts shall be: worldwide with the exception of China and India: twelve (12) months from the invoice date; China: three (3) months from the invoice date; India: six



(6) months from the invoice date.

The warranty period for refurbished products shall be six (6) months from the invoice date.

4. The date of first use shall be determined as follows, per product:

Hyva Tipping Solutions:	Vehicle Registration date
Hyva Container Handling:	Vehicle Registration date/ Date of Warranty Certificate
Hyva Cranes (ATM all brands):	Vehicle Registration date/ Date of Warranty Certificate
Hyva Waste Handling:	Vehicle Registration date/ Date of Warranty Certificate
Spare parts:	Invoice date
Refurbished:	Invoice date

5. All Hyva products must be installed, operated, maintained and repaired in accordance with the relevant Hyva instructions. Only the original Hyva parts shall be used. Otherwise, these warranty terms shall be void.

6. The warranty is not applicable to cases other than defects in material and workmanship. The warranty does not apply to:

- Damage caused by incomplete or erroneous installation except for installations done by Hyva Group companies;
- Damage caused by misuse, abusive or inappropriate operation, including but not limited to operation not in accordance with products' operating manuals or by operators not trained to operate the Hyva equipment. In case of doubt regarding whether the Product was operated properly, the burden of proof shall be with the owner;
- Damage as a result of maintenance not carried out in accordance with the Hyva operating & maintenance instructions and manuals;
- Wear or tear of parts caused by inappropriate storage and/or transport damage of products delivered ex-works;
- Product components subject to normal wear and tear, including but not limited to filters and hydraulic oil, moving/ sliding parts like bushings or pins;
- Operation with hydraulic pressures/ flow/ temperature higher than specified on the part specifications;
- Where corrosion of unpainted parts occurs;
- Damages as a result of corrosion happening due to rough cleaning (i.e. usage of high pressure rinsing or aggressive agents such as salt or cement), or in the context of marine use;
- Primer paint coating;
- Damage due to the use of inappropriate oil (inappropriate oil type or inappropriate oil viscosity);
- Where unauthorized modifications have been performed;
- Where maintenance or repair is performed by a non-authorized Hyva Service Partner;
- Damage caused by other forces beyond Hyva control;
- Products or their parts of components which are not purchased through the legitimate Hyva distribution channels.

7. Hyva reserves the right to deny warranty service in case it has reasonable grounds to believe that the customer/owner is abusing its warranty rights or one of the exclusions stipulated by these conditions apply.

8. During the warranty period, the warranty is transferable to subsequent owners of a vehicle on which the products are installed on.

### III. OWNER'S RESPONSIBILITIES

1. Owner is responsible for properly operating and maintaining the product and the vehicle on which the product is installed in accordance with the instructions described in Hyva operating & maintenance instructions and manuals.
2. In order to have repairs made under Hyva Warranty, owner must retain maintenance inspection records to show that the required maintenance inspections have been performed.
3. It is the owner's responsibility to ensure that all services are carried out as required and detailed service records are kept and that the maintenance and service records are completed at the time of service. Hyva will not necessarily deny a warranty claim solely because the owner does not have records to show that the product has been maintained. However, damage or failures caused by lack of proper maintenance are not covered under Hyva Warranty. In some cases, owner may be asked to provide proof of servicing and vehicle maintenance to verify whether warranty coverage is available for some types of repairs.
4. Damages suffered during transport are not covered via the standard warranty procedure. If they occur, the owner shall contact the seller of the Hyva product for handling.

### IV. WARRANTY PROCEDURE

1. In order to receive warranty service under this Warranty the owner must take the product to a Hyva Service Partner during normal service hours.
2. While any Hyva Service Partner will perform warranty service which is covered by this warranty, Hyva recommends that you return to the Hyva partner where you purchased your vehicle/product because of their continued personal interest in you.



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## TARP SYSTEM

### MOUNTING OPTION

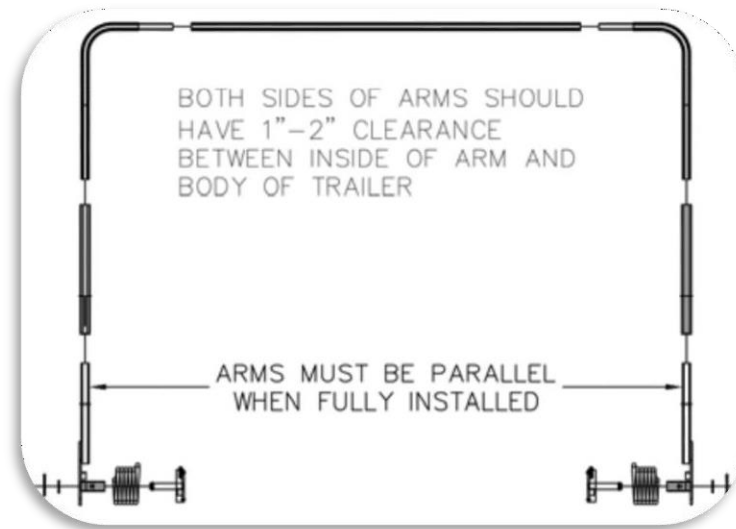
The electric tarp is switch activated from the truck's cab

### TARP MATERIAL

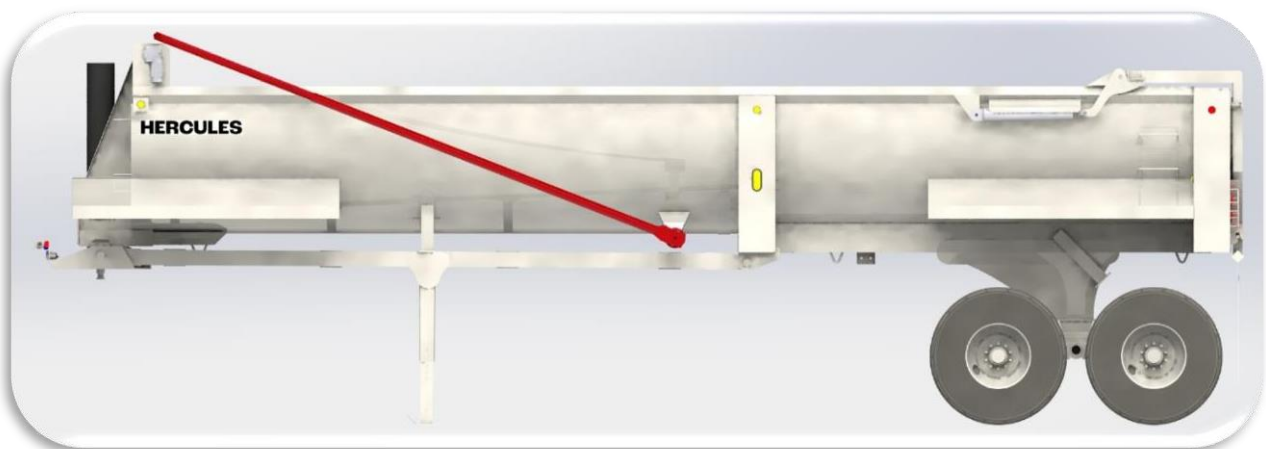
The variety of materials we have available are mesh tarp and vinyl tarp.

Choose whichever fits better to your project.

### FLIP TARP SYSTEM



# Part: **STH-4SP-A**





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**Ingeniería en Transformaciones  
Metálicas S.A de C.V**

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**+52 656 559 6148**

**calidad@intrametmx.com**



The logo for Intramet, featuring the word "Intramet" in a white, elegant cursive script. Below the text is a stylized graphic of a truck chassis with four white circles representing wheels. The entire logo is set against a blue-tinted background of a large white industrial truck.

*Intramet*

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