



**READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING**



**TIRE SERVICE INTERNATIONAL**

**800.223.4540**

**3451 S 40th St.  
Phoenix, Az 85040  
602-437-5020**

**www.buytsi.com  
sales@buytsi.com  
Fax. 602-437-5025**














Made in Taiwan/China



## WARNING!

The instructions and warning contained in this manual should be read and understood before using or operating this tool. Do not allow anyone

to use or operate this tool until they have read this manual and have developed a thorough understanding of how this tool works. Failure to observe any of the following instructions could result in severe personal injury to tool user and bystanders, or cause damage to the tool and property. Keep this manual for future reference.

-  **WARNING** - Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
-  **WARNING** - Personal Protective Equipment: Safety goggles, gloves, non-skid shoes and hearing protection.
-  **WARNING** - Keep bystanders and children out of the work area while operating this tool.
-  **WARNING** - Always keep work clean, uncluttered, and well lit. Do Not work on floor surfaces that are slippery.
-  **WARNING** - Do not operate this tool if you are tired or under the influence of alcohol, drugs, or medications that could affect your ability to use the tool properly.
-  **WARNING** - Air under pressure can cause severe injury. Never point an air tool at people or animals.
-  **WARNING** - Detach from air supply and release all air pressure before installing, removing or adjusting any accessory on this tool or performing maintenance. Failure to do so could result in injury.
-  **WARNING** - Do not open the Cheetah® Bead Seater air release valve when connecting the air supply hose. When the Cheetah® Bead Seater is not in use, discharge air from tank. Store with valve open in a clean, dry location. Never transport the Cheetah® Bead Seater with air in the tank.
-  **WARNING** - Do not tamper with the safety valve. Do not modify or alter the bead seater in any way.
-  **WARNING** - Inspect before each use. Do not use if broken, bent, cracked or damaged parts are noted (Including warning label). If the unit appears damaged in any way, is missing parts, or operates abnormally, it shall be removed from service immediately. All units that have been dropped, impacted suddenly, or dented should be removed from service.
-  **WARNING** - Only Cheetah® Bead Seating replacement parts should be used on the unit. Decals and parts are available through your Distributor or the manufacturer.
-  **WARNING** - The warnings, cautions and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.
-  **WARNING** - Operator should be familiar with all OSHA regulations (including 29 CFR 1910.177) pertaining to mounting, demounting and inflating all tires

### Label Description



Pressurized Device



Eye and Ear Protection





Read the Manual

# GENERAL INFORMATION

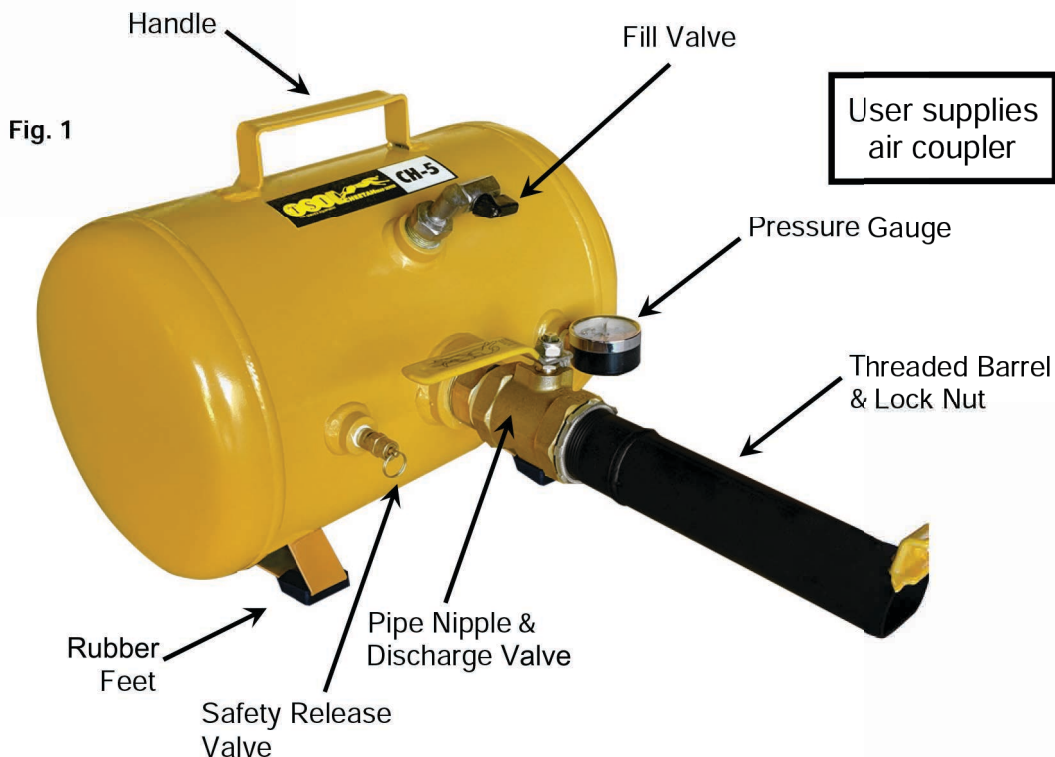
General: Remove contents from box and assemble as shown below in Fig. 1. Read and follow instructions for optimum use.

Overview: The CH-5 & CH-5AL Cheetah® Bead Seater accommodates wheels from 4" to 24.5". Which includes passenger and light truck tires and most commercial truck tires. The CH-10 & CH-10AL Cheetah Bead Seater accommodates passenger and light truck tires, commercial truck and some implement tires.

All tanks are ASME certified or CE (Europe)

	<b>WARNING!</b>	<b>AIR IN TANK CAN REACH HIGH PRESSURE</b>
	<b>USE CAUTION! Wear safety glasses and hearing protection NEVER discharge a Cheetah® aimed at a person</b>	

## Primary Features:



\*Accessories are available for the Bead Seaters. The accessories are shown throughout this operator's manual.

Follow these instructions for proper Bead Seating methods and practices.

## Set-Up

Verify receiving all the parts described in this instruction. Assemble as shown in Fig. 3 thru Fig. 8.



### WARNING!

**DO NOT use the Cheetah® Bead Seater for anything but seating tire beads. Use of this equipment in an unintended manner could result in severe personal injury to tool user and bystanders or could cause damage to the tool and property.**



Fig. 2



Fig. 3

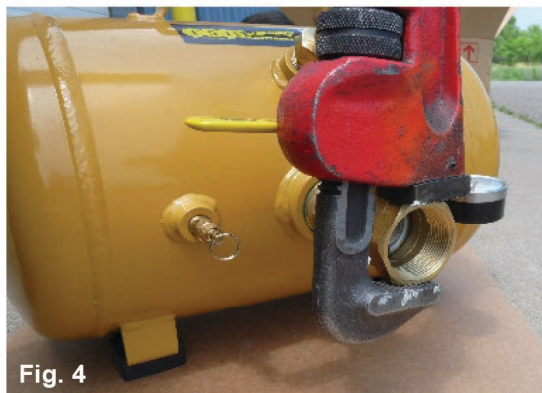


Fig. 4



Fig. 5

To install the discharge valve and threaded barrel use a large pipe wrench or a large socket wrench. Tighten so air doesn't leak out of the fitting. Use Teflon tape where applicable.

Tighten the threaded barrel and discharge valve. Put some air in the tank and use soapy water to check fitting connections for air leaks. Tighten them as necessary.



Fig. 6

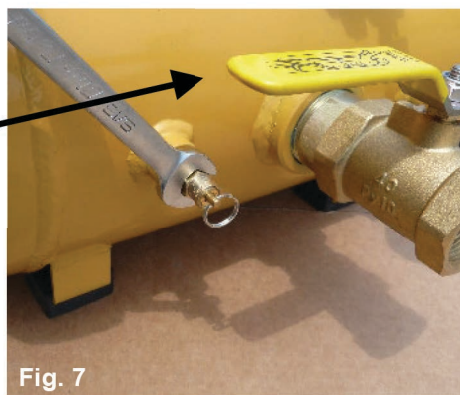


Fig. 7

In Fig. 6 Tighten the lock nut ensuring the channel side of the threaded barrel is facing up, See Fig. 5. If the safety release valve in Fig 7. comes loose tighten it as shown.



If the pressure gauge becomes loose tighten it with a wrench as shown in Fig. 8 and test for air leaks with soapy water.



**WARNING!**

**DO NOT REMOVE SAFETY RELEASE VALVE**

**Excessive pressure could cause tank to rupture causing serious injury or death**

Changing parts or making modifications to the Cheetah® Bead Seater voids the warranty and TSI will not be held liable.

## How to use

**Important:** Prepare each wheel. Clean Rims. Dirty rim flanges and poor tire beads can create flying debris from the rush of air going into the wheel.

TSI suggests using a quick-disconnect fitting (not included) on the air line to attach the air line to the valve stem, we sell an optional whip hose part #01.109

Remove valve stem core from wheel. Set aside to replace later after bead is seated. Lubricate tire beads and rim flanges with approved tire lubricant.

Before placing wheel on tire stand (Fig. 9) connect whip hose to valve stem. Fig. 10. You may have to thread the air line or part of the whip hose through the rim center if the valve stem is facing the ground when on the tire stand.

In most cases, the wide flange of the wheel should be facing up. Fig. 9. See Fig. 10, connect air line to whip hose.



Fig 9

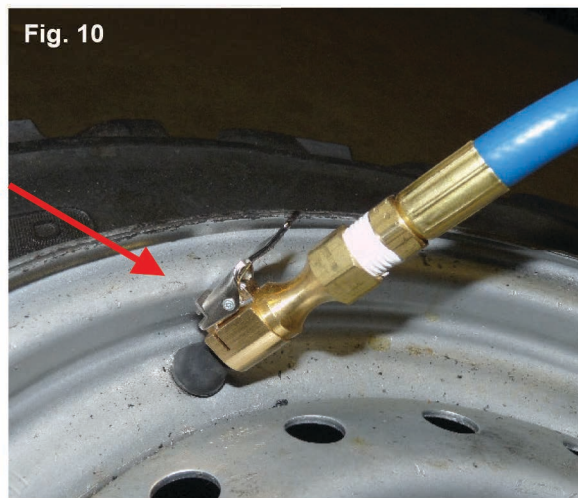


Fig. 10

Connect locking chuck to valve stem



**WARNING!**

**NEVER TRANSPORT OR STORE A CHARGED TANK**

**Accidental discharge could cause serious injury or damage**

As shown in Fig. 9 positioning a wheel on the tire stand will elevate both the tire and rim. The lower tire bead must be resting on the wheel bead-seat area. This alignment is very important to ensure the tire will capture the air blast within the tire cavity.

Now you can attempt to seat the tire bead onto the rim.



**WARNING!**

**CHEETAH® TANKS BLAST AIR AT A HIGH RATE.**

**FOR SAFETY:** Use proper body positioning. **USE** protective gear for eyes, ears and feet. **DO NOT** wear loose clothing.

**Note:** It's not always necessary to fill the tank to maximum pressure. The required pressure will vary depending on the size and type of tire. It is best to begin with lower pressure and work up to optimum pressure for your specific tire. **Never exceed 120 PSI (Safety release valve is set to 120 PSI).**

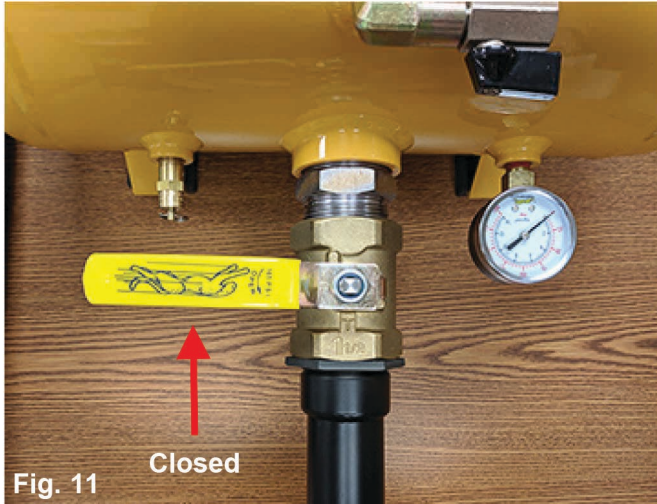


Fig. 11

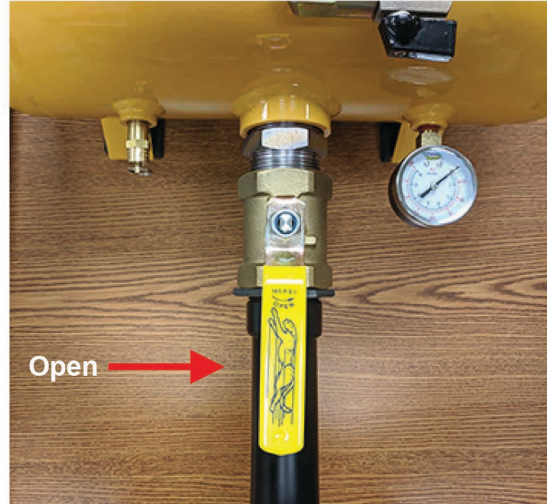


Fig. 12

Firmly hold Cheetah® tank as shown in Fig. 12. Lean forward slightly to hold it in position. Point the threaded barrel down into the tire as shown in Fig. 13. Usually this is a 45 degree angle, you'll note it can vary from one tire to another. Open valve on whip hose.

Gather your footing, hold one hand onto the Cheetah® handle and the other on the discharge valve lever. Fully turn the discharge valve lever releasing all the air into the tire, lifting the bead. See Fig 11.



Fig. 13

Once the bead fully moves into position close the whip hose valve. Remove the whip hose locking chuck from the valve stem and replace valve stem core. With experience you will recognize filling the tank to capacity isn't necessary. The amount of air to seat the bead depends on the tire, most tires can be seated between 40 PSI- 100 PSI. Several attempts to seat the bead may be necessary.

Make sure the valve stem core is firmly tightened in place. You are now ready to place the tire into a tire cage and proceed to inflate the tire to manufacturer's tire pressure requirements.

Check for leaks. Address leaks and if necessary repeat process. If none are present, place valve cap on valve stem and wipe off excess lubricant.



**AIR TANK CAN REACH HIGH PRESSURE**

**USE CAUTION!** Wear safety glasses and hearing protection.  
**NEVER** discharge Cheetah® Bead Seater while aimed at a person

**5 YEARS IN SERVICE DECAL**

To ensure the highest level of performance and operator safety, each Cheetah® tank should regularly be inspected for signs of damage due to wear, accidental impact from drops or other shop wear and tear or storage conditions. Inspection of the tank both external/internal and replacement is the ideal approach to insure optimum user safety. Safety related input from our tank manufacturers suggest replacement after 5 years in service.

**PLEASE READ OPERATION MANUAL FOR FURTHER INSTRUCTIONS**

09.06.2017

The (5) years in service is based upon safety related input from our tanks manufacturer's. Following the maintenance inspection protocol and good judgment of the user, should be the final determination of the unit's safety and need for replacement. Under NO circumstances should you use a tank with signs of deterioration, damage or malfunction safety valves or gauges.

**MAINTENANCE PROTOCOL**

Use genuine Cheetah® TSI replacement parts. Use of non-cheetah parts will void the warranty. Under no circumstances should items be welded or attached to the tank. Use only stock parts as referenced in parts schematic.

TSI Cheetah® warranty does not cover a dropped tank or damage resulting from dropping the unit. Any tank that has been dropped or shows sign of damage should be immediately removed from service.

**Daily:** Inspect the pressure gauge (Part # 01.106) and Safety Release Valve (Part #05.102). Visually inspect the exterior of the tank for rust or deterioration.

**Monthly:** Pull the ring of the safety release valve to ensure the valve moves freely and isn't stuck.

**Every six (6) months:** Visually inspect the interior of the tank for rust or deterioration by removing the discharge valve and threaded barrel. Shine a light into the tank to improve visibility.

**Storage and Drain:** The Cheetah® should be stored by hanging by the handle with the valve open. This allows any moisture to drain from the tank when the Cheetah® is not in use. It also protects the barrel and other attachments on the Cheetah® from damage.

Discontinue use of tanks should any of the maintenance items need service. Contact your Distributor or TSI at 800-223-4540 or 602-437-5020 for replacement parts or units.

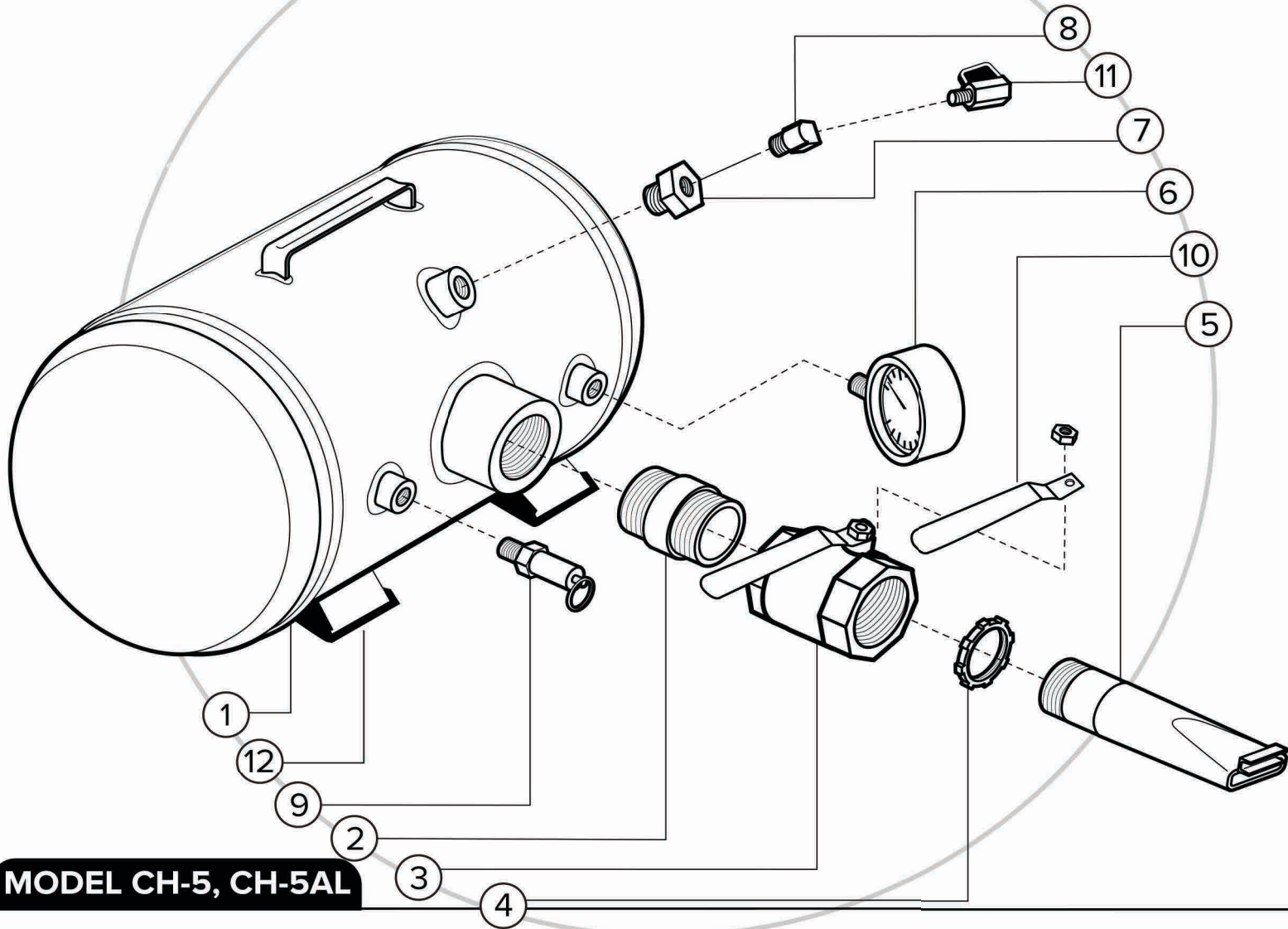
**SPECIFICATIONS**

**CH-05:** 18" L x 14" W x 14" H; 30 lbs shipping weight.

**CH-05AL:** 18" L x 14" W x 14" H; 18 lbs shipping weight.

**CH-10:** 24" L x 16" W x 15" H; 46 lbs shipping weight

**CH-10AL:** 24" L x 16" W x 15" H; 29 lbs shipping weight



**MODEL CH-5, CH-5AL**

**REPAIR PARTS**

No.	Description	Part No.	No.	Description	Part No.
1.	Airtank	N/A	8.	90° NPT	03.104
2.	Pipe Nipple	01.104	9.	Safety Release Valve	05.102
3.*	Discharge Valve (Includes Handle)	02.102	10.	Handle & Nut Only	01.230
4.	Lock Nut	02.107	11.	Ball Valve	04.103
5.	Threaded Barrel	02.103	12.	Rubber Feet	12607
6.	200 PSI Gauge	01.106			
7.	3/4" - 1/4" Bushing	01.107			

**Reminder:** Always exercise caution when using compressed air.

**PCL Connector is NOT INCLUDED** must be purchased separately.

**Order parts from your distributor or jobber.**  
When ordering parts always give the following information: Part number, description and serial number of your machine.





**Difficult wheels?**

The magnum barrels provide optimum air dispersion for larger diameter wheels. The curved tube has holes in it for direct air flow into the tire



Magnum I (CH-05) #02.106



Magnum II (CH-10) #03.106

**CH-ACC Kit:**



Whip Hose  
#01.109



Tire Wedge  
#01.110



Tire Stand  
#01.111



**TI-87 Shelf** (Wall Mounted)  
Keep Cheetah® safely off the work floor area

**NEW!**

**JET PAK INCLUDES:**

Jet Barrel and Valve

Available:

CH1.5JP: 1.5" port size

CH2.0JP: 2" port size

Faster and easier than standard ball or butterfly discharge valve operation. Attaches easily to existing pipe nipple, replacing manual discharge valve. Discharges tank with the press of a button. Safety cover prevents accidental trigger release. Includes our new improved Jet Barrel for greater air volume delivery.



# Warranty Statement & Return Policy

Warranty & Workmanship you can depend on.

With over 25 years of manufacturing experience we maintain the ability to provide competitive prices while employing and manufacturing the majority of our products in the USA. Pride in our workmanship and standing behind each and every product is not just our claim but our uncompromising responsibility.

TSI equipment is warranted to be free from defects in materials and workmanship for a period of one year from the date of original purchase to the original owner. Repair labor is warranted for 90 days from the date of original purchase. Bushings, blades, bearings and normal wear and tear are not covered under warranty. Careless handling, negligence, misuse, abuse, mutilation, improper operation, making unauthorized repairs, additions, and or alterations automatically cancel this warranty and relieves TSI of any obligation. Cheetah tanks claimed to be defective while under warranty will be evaluated at our manufacturing plant and either repaired if possible or exchanged and returned or credit issued to the customer account at our discretion. Damage resulting from dropping the tanks will not receive warranty consideration. Warranty parts need to be returned prepaid to the plant for credit. Any replacement parts shipped from the plant will be shipped at the customer's expense. Machines requiring warranty work must be brought to the manufacturing plant in 201 Chelsea Rd, Monticello, MN or to a repair facility authorized by TSI.

## Return Policy:

***!!WARNING!! Goods returned without an RGA will be refused. A Returned Goods Authorization form must be obtained before returning any material or goods. All non-warranty returns will be subject to a 15% restocking fee plus any additional charges for reconditioning/repacking.***



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3451 S. 40th St., Phoenix, AZ 85040 • Toll Free 800.223.4540 • Arizona 602.437.5020 • Fax 602.437.5025