



Tank Protection Division

Preventive maintenance
on FNC equipments



FNC Main Products

Flame Arresters



SAFETY DEVICES
PREVENTING FLAME
TRANSMISSION

Breather Valves

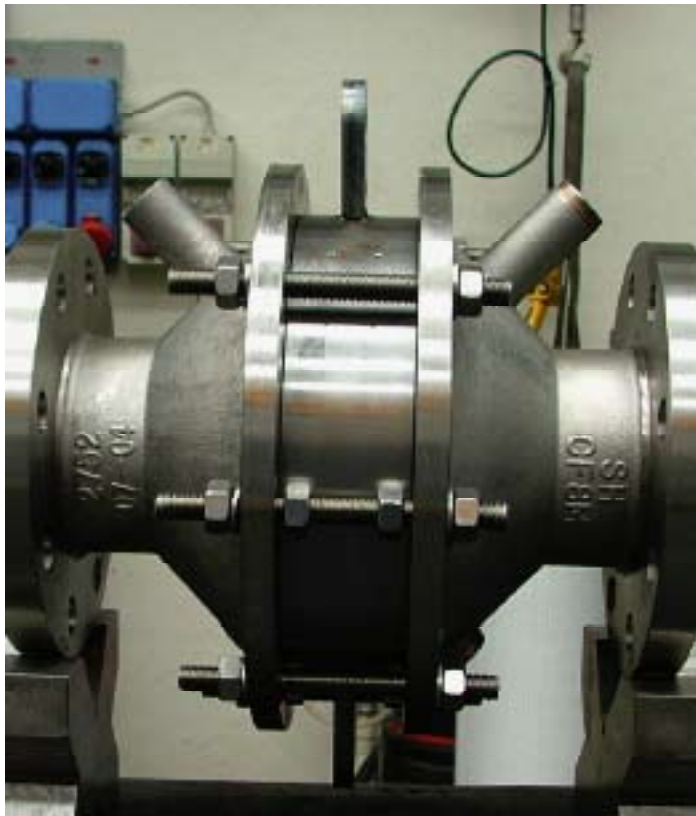


SAFETY EQUIPMENTS FOR
PROTECTING TANKS FROM
EXPLOSION AND IMPLOSION

Preventive maintenance on FNC equipments

Flame arresters

In line



At workshop



In line

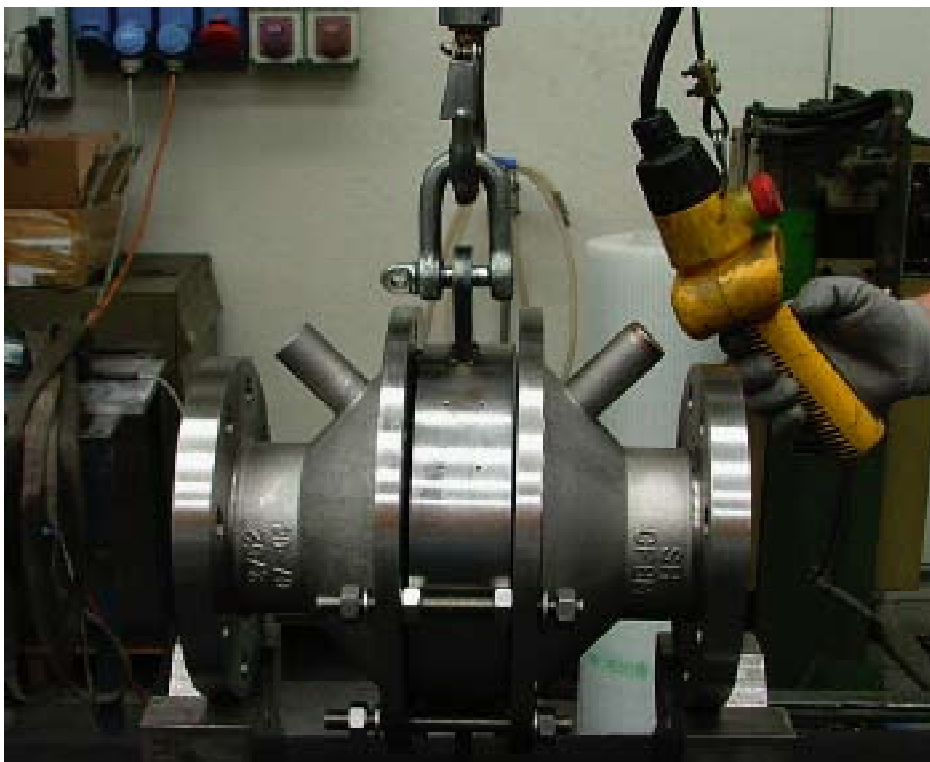


1. Remove studs and nuts

2. Remove only those studs or the rods necessary to withdraw elements housing

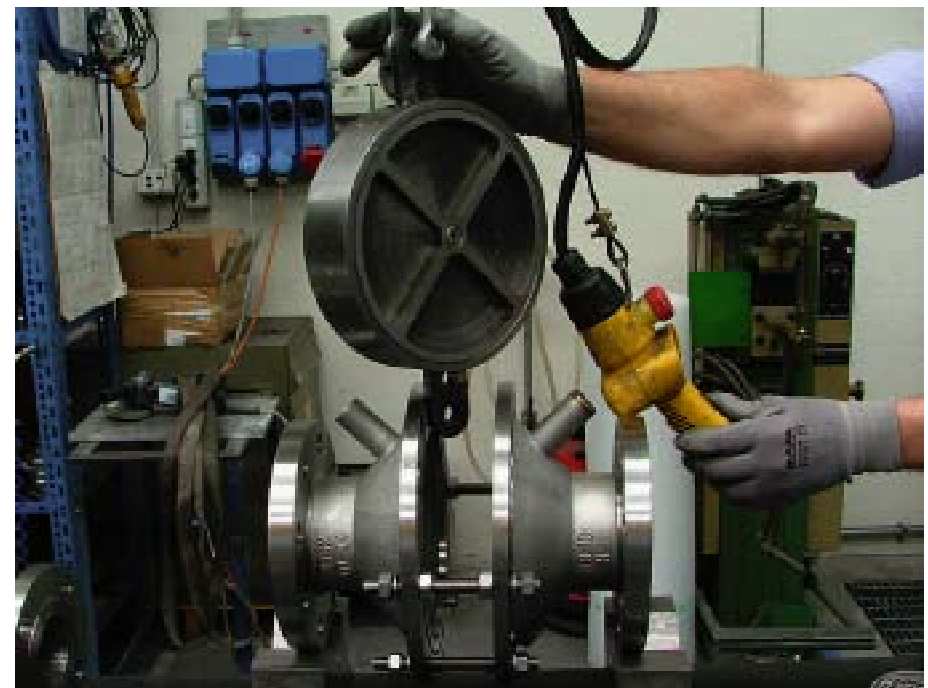


In line



3. Use lifting lug to remove element housing

4. Remove housing assembly for inspection



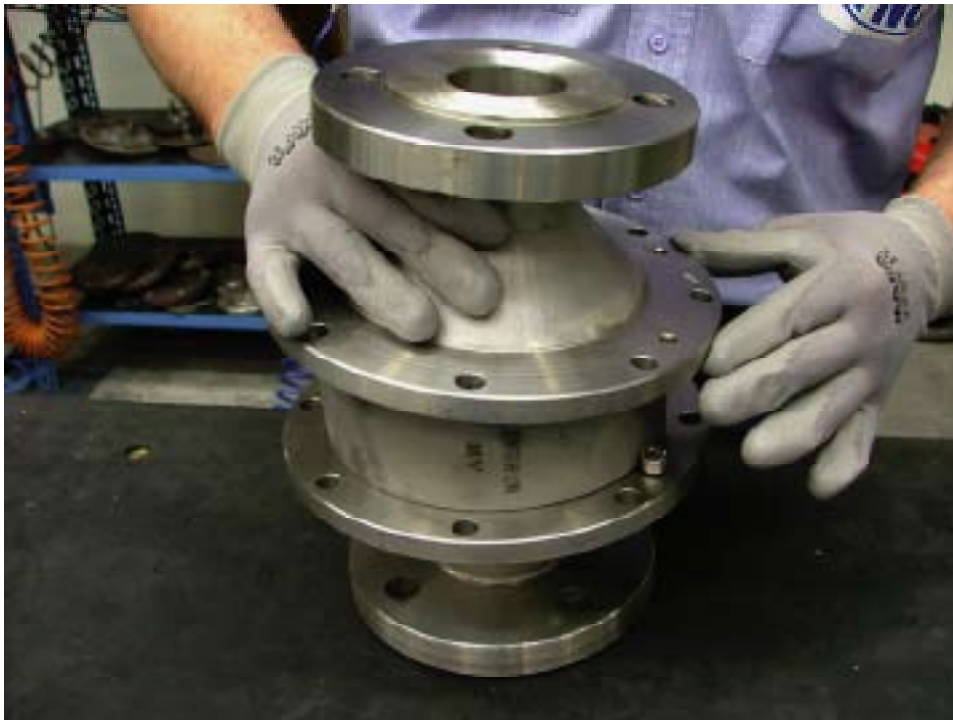
At workshop



1. Remove only those studs or the rods necessary to withdraw elements housing



At workshop



2. Remove body connector

3. Remove housing by means of handles or lifting lug



Cleaning



USE ONLY

- compressed air
- high pressure steam
- solvent wash followed by compressed air

**DON'T DISASSEMBLE
ELEMENT BLOCKS**

DON'T USE SHAPE TOOLS

**IN CASE OF EXCESSIVE
PRESSURE DROP
REPLACE ELEMENTS**

Re-assembling

- repeat procedure on the reverse way carefully
- replace o-ring on the bases if they are dry or damaged

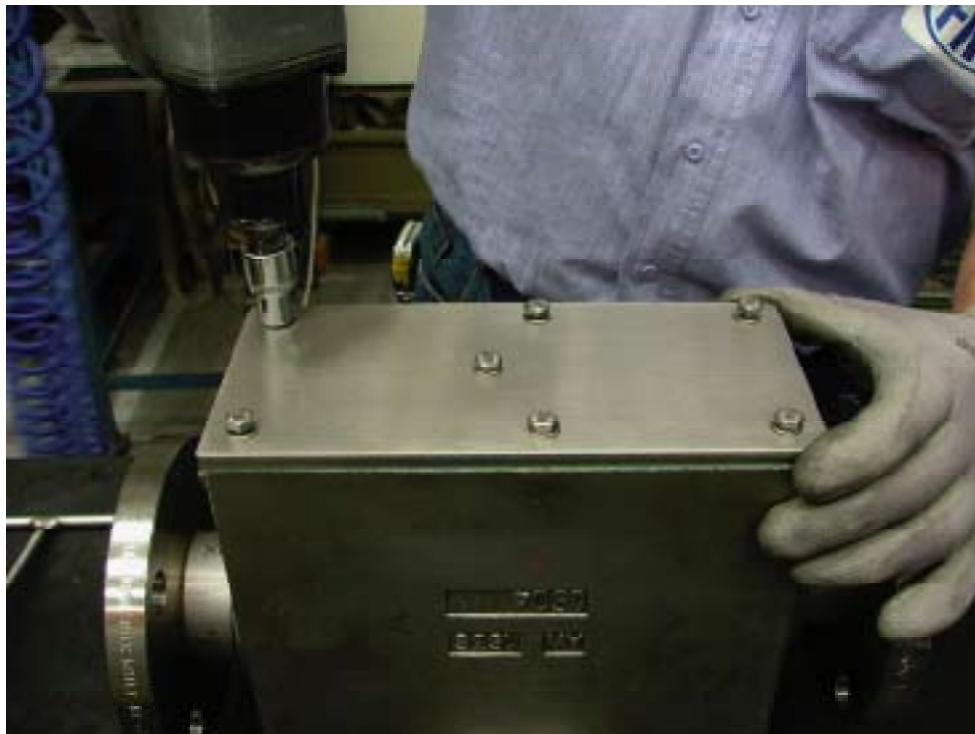


THE STUD WILL POSITION THE HOUSING ON THE BASE CENTERLINE

WHEN REPLACING ELEMENT HOUSING PLEASE BE SURE THAT TAG NUMBER IS THE SAME.

self-centering screw

Disassembling

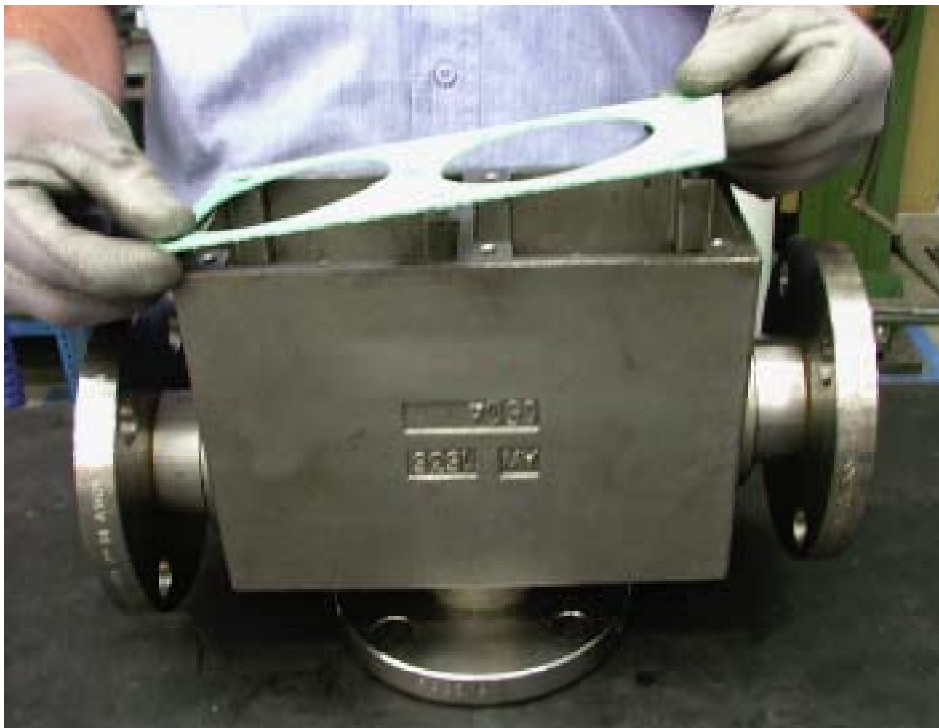


1. Remove screws from cover

2. Remove the cover

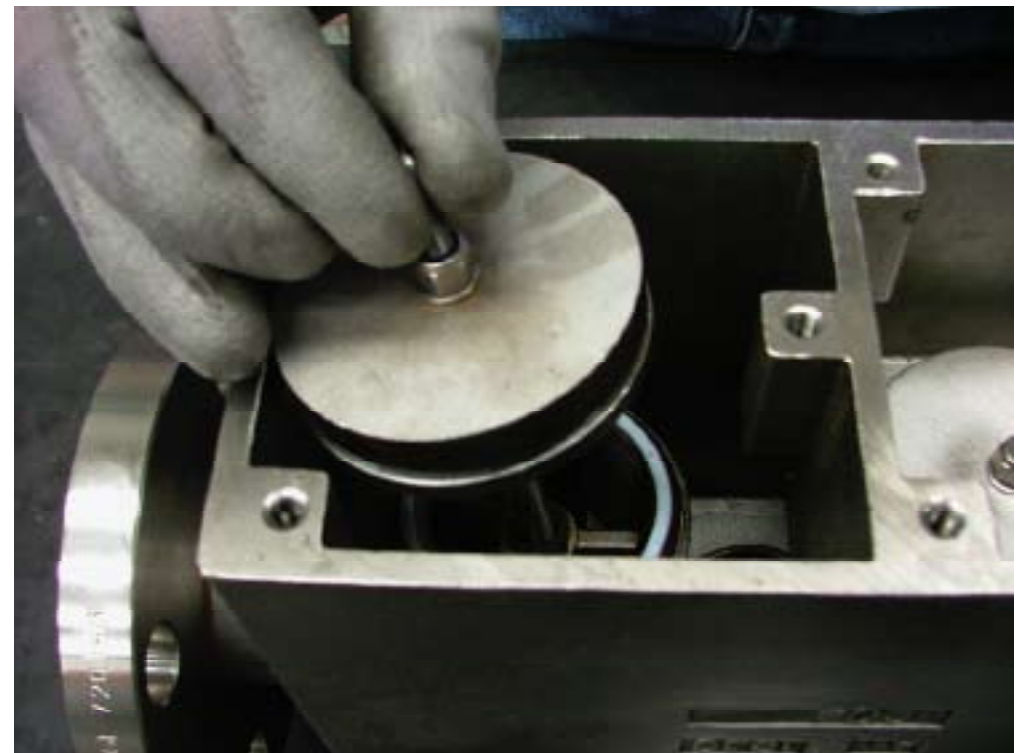


Disassembling



3. Remove the gasket

4. Remove carefully pallets



Cleaning

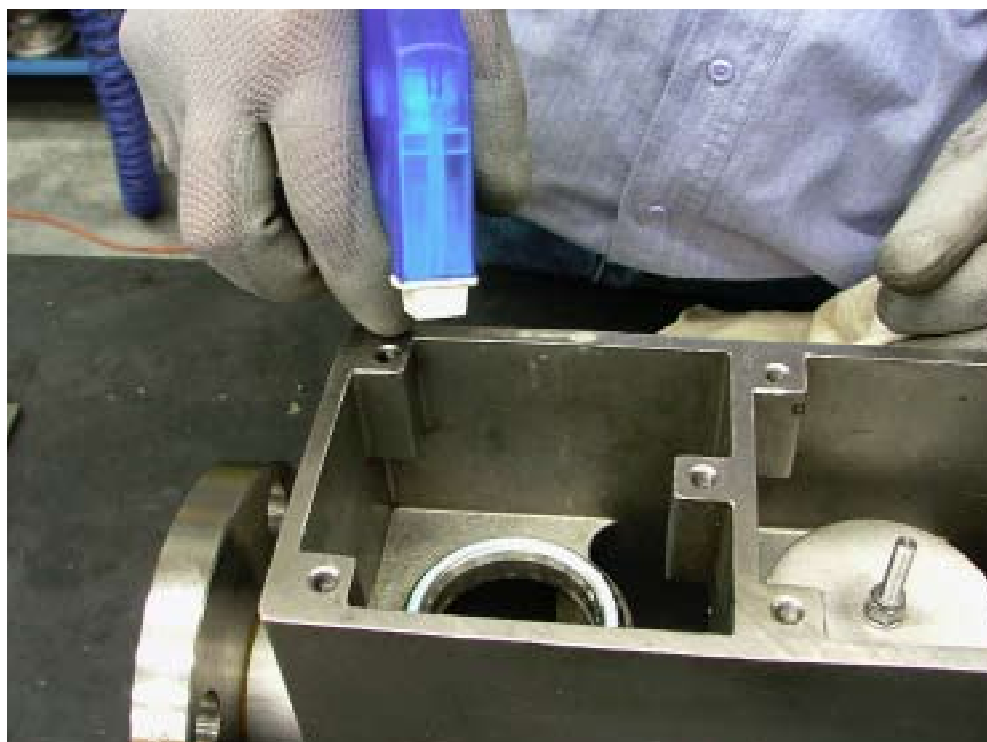


1. Clean lower surface with a digreaser

2. Use only smooth and clean cloth



Cleaning



3. Clean seats with a degreaser

4. Clean with a cloth



Leak detection



1. Put on pallet lower surface blu dimethylene by means of a clean pad

2. Cover complete surface



Leak detection

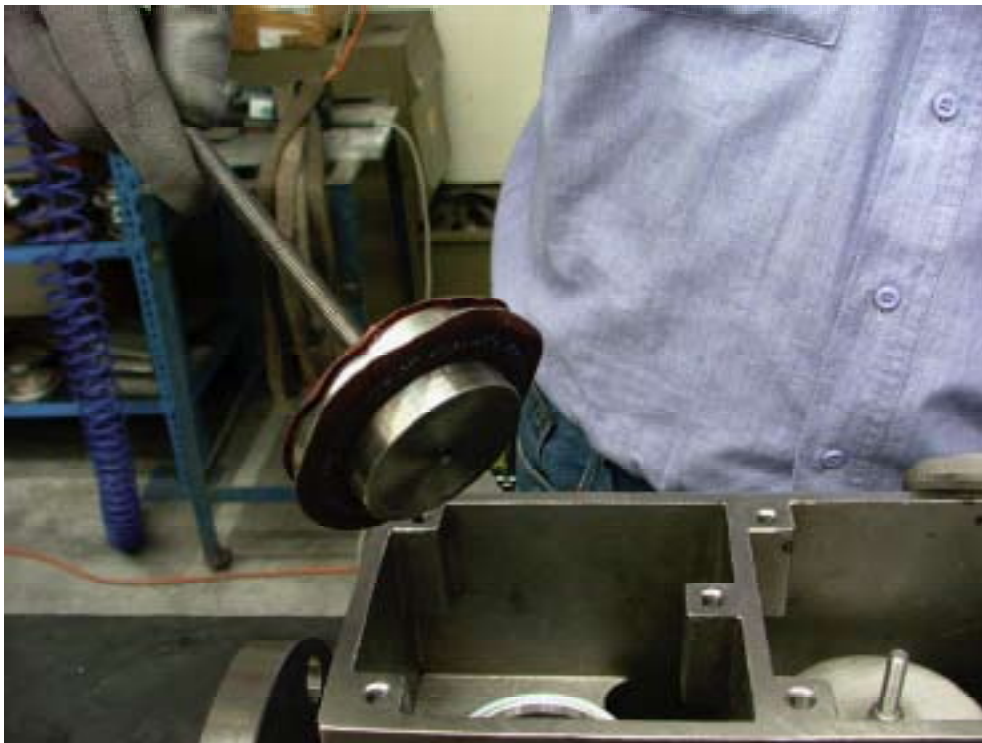


3. Insert pallets and turn it slowly on seat circumference

YOU MUST HAVE AS RESULT A BLUE RING

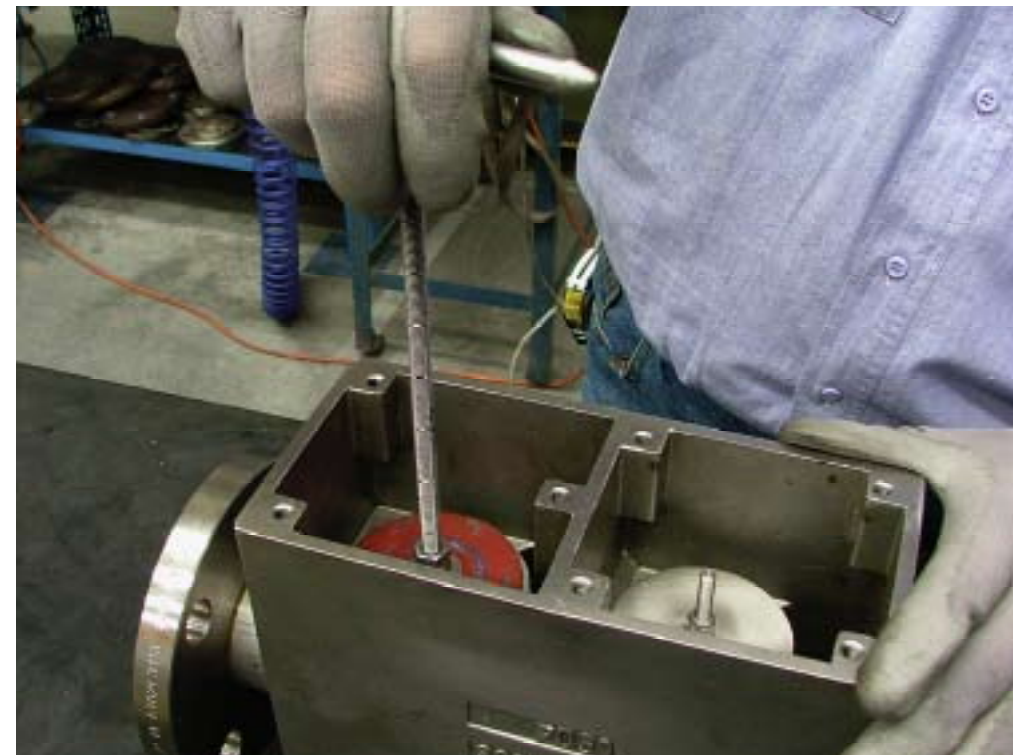


In case seats are damaged



1. Use a special tool with a planar surface covered by sand paper

2. Turn softly the tool on the seat to make a smooth finish surface





Reassembling

1. Repeat the disassembling procedure on reverse way carefully
2. Replace in anycase cover gasket
3. **Valve works in a proper way when it is parallel to groundfloor**



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Product Limited Warranty terms only apply to purchase orders accepted by FNC

The Seller warrants products to be manufactured in accordance with published specifications and free from defects in materials and/or workmanship for a period of (12) twelve months. The Seller, at his discretion, will repair or replace any products returned intact to the factory, transportation charges prepaid, which the Seller, upon inspection, shall determine to be defective in material and/or workmanship. The foregoing shall constitute the sole remedy for any breach of the Seller's warranty.

THERE ARE NO UNDERSTANDINGS, AGREEMENTS, REPRESENTATIONS, OR WARRANTIES, EXPRESS OR IMPLIED, UNLESS SPECIFIED IN THE SALES CONTRACT. THIS CONTRACT STATES THE ENTIRE OBLIGATION OF THE SELLER.

The Seller makes no warranties, either express or implied, except as provided herein, including without limitation thereof, warranties as to marketability, merchantability, for a particular purpose or use, or against infringement of any patent of products. In no event shall the Seller be liable for any direct, incidental or consequential damages of any nature, or losses or expenses resulting from any defective new product or the use of any such product, including any damages for loss of time, inconvenience, or loss of use of any such product. The original Manufacturer shall be solely responsible for the design, development, supply, production, and performance of its products hereunder, and the protection of its trade name, if any. It assumes no responsibility for products modified or changed in any way by its agent or customer. Any such modifications or changes to products sold by the Seller hereunder shall make the product limited warranty null and void. The Manufacturer shall be under no obligation to manufacture, sell, or supply or to continue to manufacture, sell or supply any of the Products.