



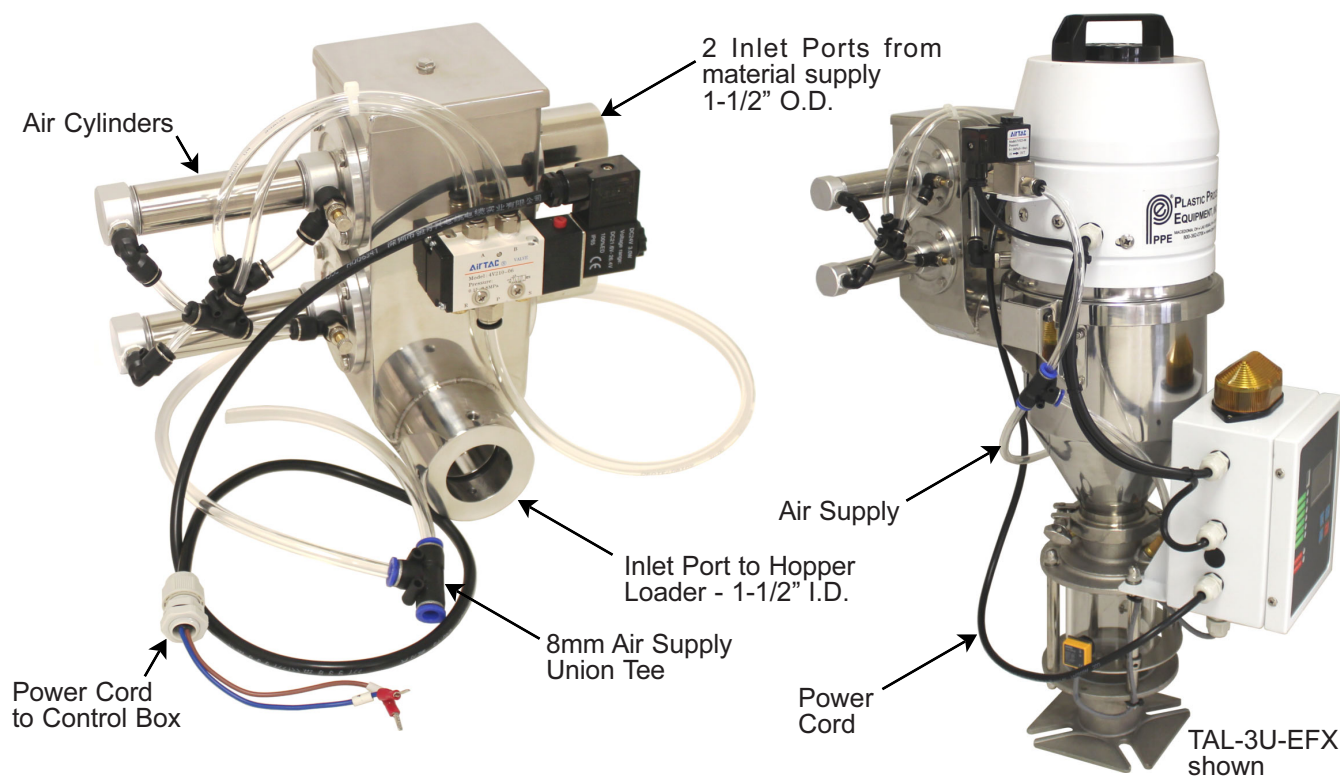
INSTRUCTIONS

FOR ALL TAL-FX VACUUM LOADERS

TPV-38-CFX Proportional Valve

**FOR USE WITH PPE VACUUM LOADER MODELS
TAL-15UFX, TAL-3U-EFX, TAL-6UFX & TAL-12UFX**

**These loaders have a provision in the Control Box circuit to allow the
TPV-38-CFX Dual Feed Valve to slave off both power and settings.
Settings made via the Control Box or Remote Pad.**



CAUTION NOTICE:

All service work should be carried out by a person with technical training or corresponding professional experience. The manual contains instructions for both handling and servicing. The Trouble Shooting section contains service instructions intended for service engineers. Other sections contain instructions for the daily operator.

MODIFICATIONS:

WARNING! Do not modify this machine in any way. Modifications of any kind not only void any warranty, but it can cause serious injury or damage to personnel or equipment.

Our PPE Vacuum Loaders are a PPE exclusive only available from PPE. Do not confuse these with any other make, model or manufacturer.



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TPV-38-CFX Proportional Valve

KNOW YOUR WARNING SIGNS AND SYMBOLS!

This instruction manual and our products may use the following signal words Caution and/or Danger symbols to call attention to the degree or level of possible hazard seriousness. Pay attention to them!

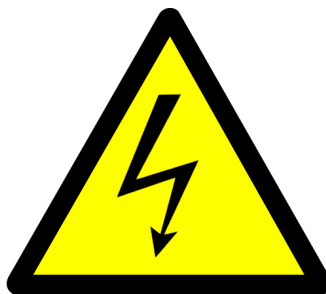
1. **CAUTION:** A warning to indicate a potentially hazardous situation which, if ignored, may result in personal injury or threat of health. Also used to alert against unsafe practices which could cause property damage or accidents. See labels B & BB.
2. **WARNING:** Warns of a potentially hazardous situation which, if not avoided, could result in serious injury. Warning signs are a yellow triangle with a black border and black symbols. See Label A.
3. **DANGER:** Indicates an imminently hazardous situation which, if not avoided, may result in serious injury or death. This signal word is limited to the most extreme situations. Always follow the warnings or instructions that accompany the danger label, such as: High Voltage, Acid, Hot Surface, etc, etc, etc. See Labels C & CC.
4. **SYMBOL/PICTORIAL:** Conveys a message without words. See labels A & B.
5. **SAFETY ALERT SYMBOL** (an exclamation point inside a triangle): Is a general warning and indicates a potential personal injury hazard. Follow instructions and read labels and/or product information before you proceed! See Label A.

Label A



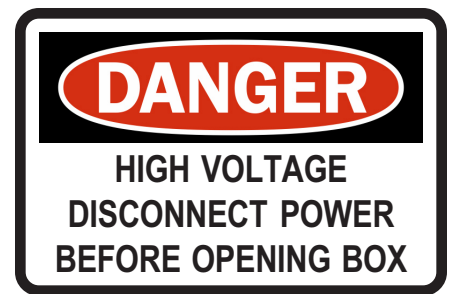
General Warning Sign

Label B



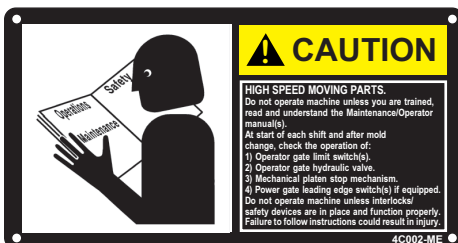
Hazard Warning Sign

Label C

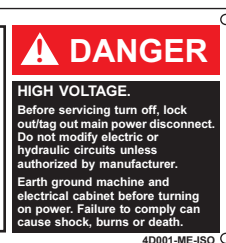
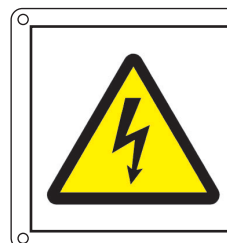


Danger Warning Sign

Label BB



Label CC



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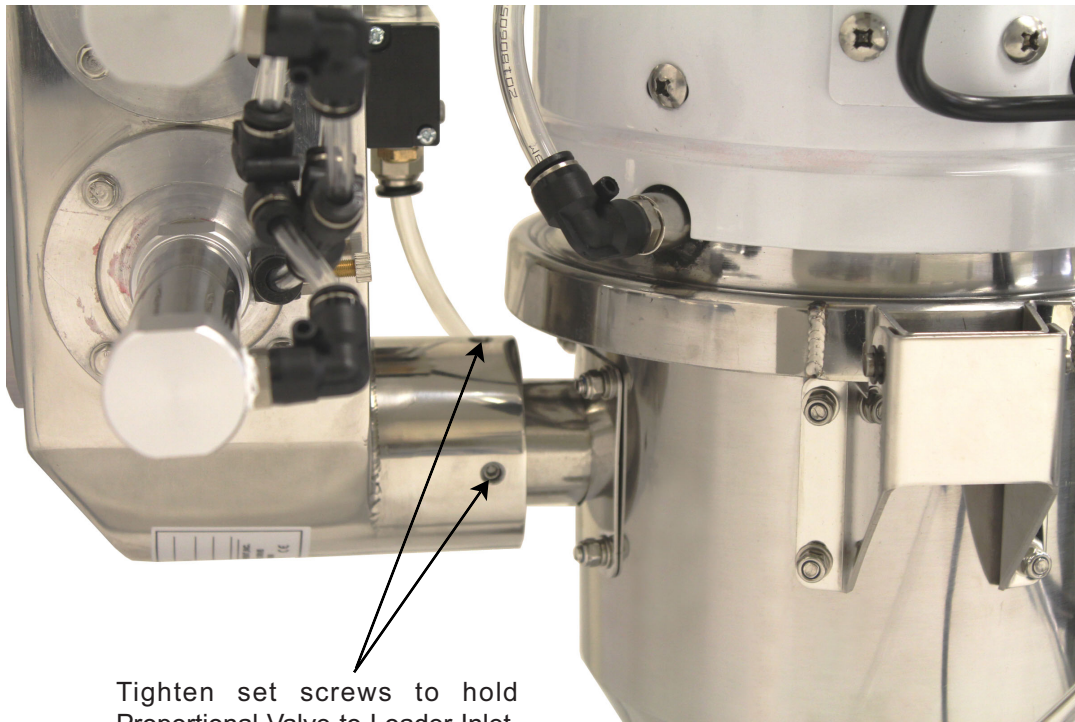
TPV-38-CFX Proportional Valve

SET UP


CONNECT YOUR PPE FX LOADER IN 3 EASY STEPS!

1. MOUNT THE PROPORTIONAL VALVE.
2. CONNECT POWER WIRE TO CONTROL BOX.
3. CONNECT YOUR AIR SUPPLY.


PHOTO A



Tighten set screws to hold Proportional Valve to Loader Inlet. 5mm hex key required.

CAUTION:  Disconnect all power to the TAL-FX Vacuum Loader!

1. Attach Proportional Valve Unit to the TAL-FX Loader inlet and tighten set screws (you may have to clean or lightly sand with emery paper Proportional Valve outlet to ensure the fit). Proportional Valve should be mounted in the upright position as shown. **See Photo "A"**.

2. **CAUTION:**  Be sure your hopper loader is securely fastened down as necessary to support the Proportional Valve plus the weight of the two vacuum hoses you will attach!!!

3. Now open the TAL-FX Loader Control Box cover by removing the 4 screws.



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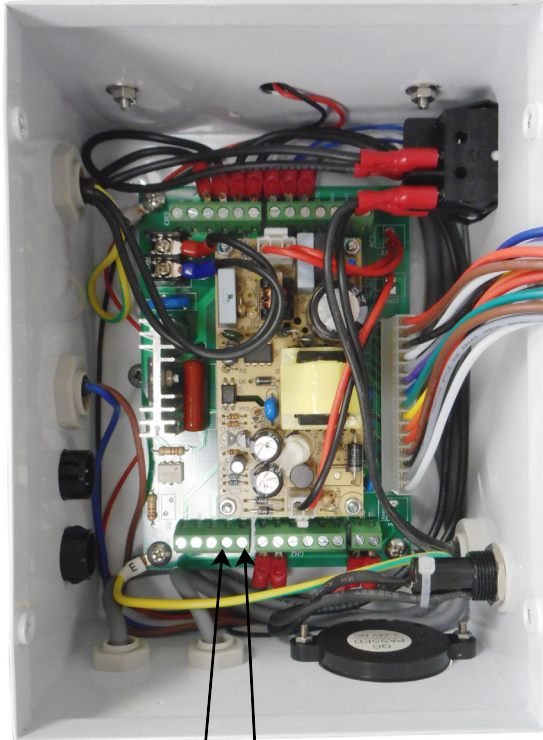
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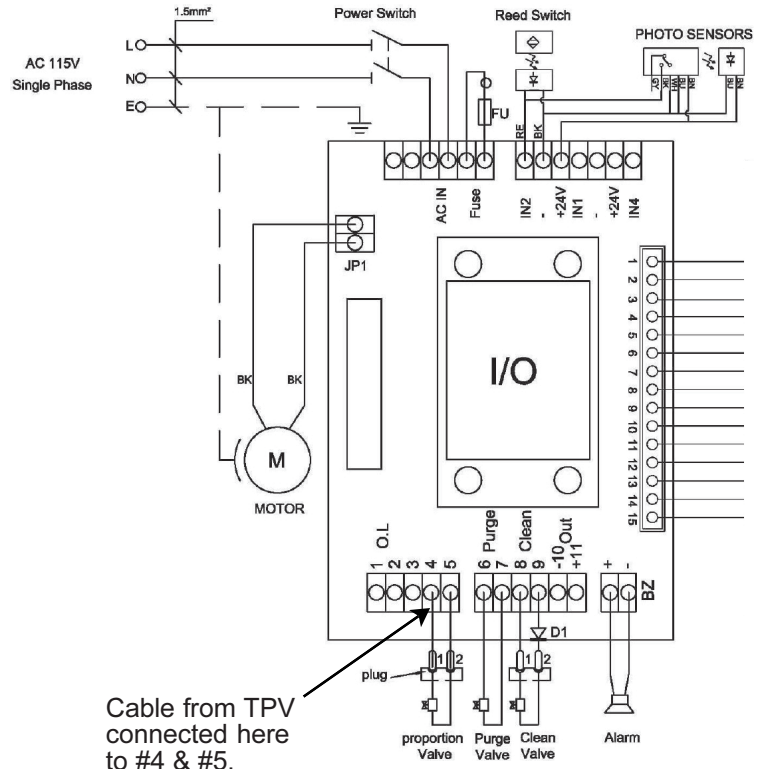
SET UP (continued)

Control Box Circuits & Circuit Board Diagram



Connect blue wire to terminal #4.

Connect brown wire to terminal #5.



4. First, remove nut on plastics strain relief and feed the Proportional Valve power wires through the plastic strain relief gland supplied and then feed the wires and strain relief through the knockout hole in the side of the TAL-FX Loader Control Box. Fasten nut onto plastics strain relief. These wires are 5 feet long. The power wires (blue #4 & brown #5) attach to the locations 4 & 5 on the terminal strip.
5. Remount the cover onto the TAL-FX Loader Control Box.
6. Next, remove your 8mm air supply from your vacuum loader blow off connection and replace it with the 8mm air line from the Proportional Valve. Next, connect your original air supply to the union tee splitter which will feed both valve and loader. 70-90 PSI required.



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TPV-38-CFX Proportional Valve

Wireless Remote Control Pad

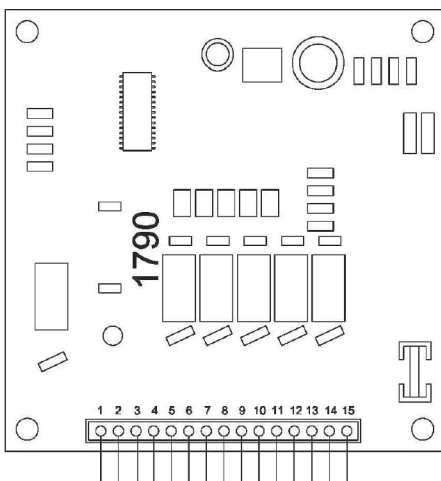


Controls
TAL-FX
Loaders
both ways.

Control Box Front Panel
for TAL-FX Loaders.



Front Panel Circuit Board Schematic



Front Panel Circuit Board



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OPERATION & SETTINGS

1. Press the “Timer” button on the Control Box or the “Set” button on the Remote Control Pad to enter the programming mode. Press it again until you reach “FE” Regrind Proportion.
2. Press the “Up” button to increase the value of the displayed parameter or press the “Down” button to decrease the value.
3. Press and hold the “Timer” button on the Control Box or “Set” button on the Remote Control Pad for approximately 2 seconds to exit programming mode.
4. Repeat procedure for “FF” Regrind layers of material. You can program 1 layer of virgin material to up to 4 layers of regrind. To reverse this function simply switch suction hoses.
5. Please also refer to TAL-FX Vacuum Hopper Loader Instructions.

REPAIR AND MAINTENANCE

CAUTION NOTICE:



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COMMON FAULTS AND SOLUTIONS

Problem	Cause	Correction
Air cylinder not working.	Solenoid valve is damaged.	Change the solenoid valve.
	Loss of compressed air.	Connect the compressed air.
	Power line failure.	Connect or change the power line.



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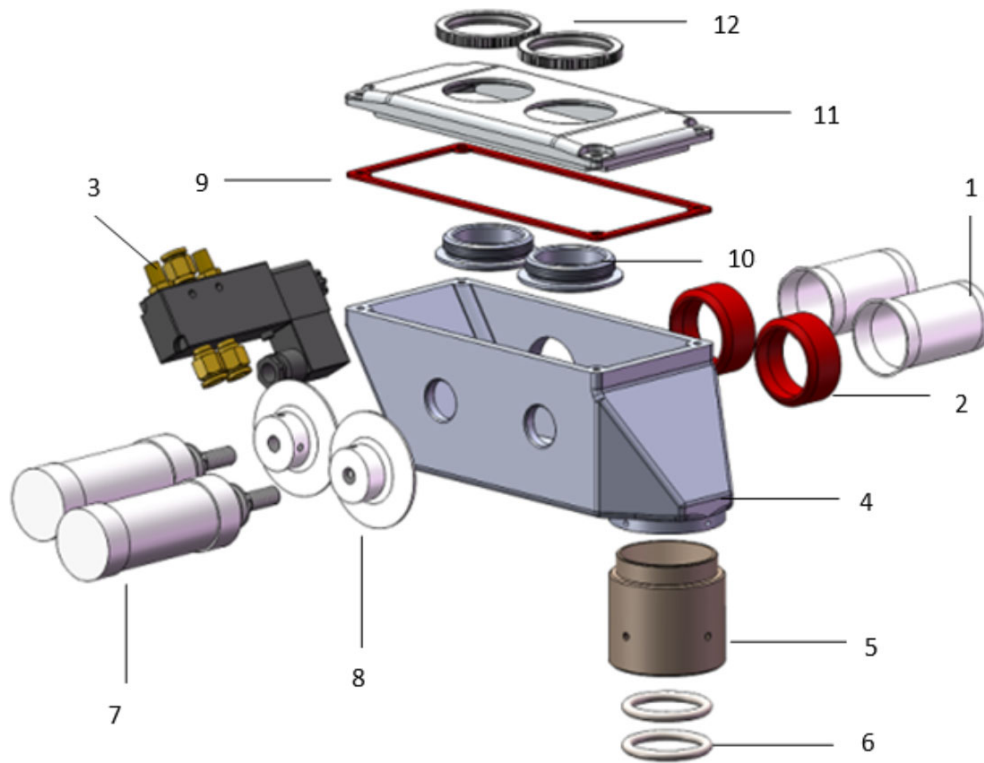
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PARTS LIST



NO.	DESCRIPTION	QTY	PART NO.
1	Raw Material Pipe	2	TPV38101
2	Sealing Ring	2	LVRG160
3	Solenoid Valve	1	TPV38103
4	Main Body of Proportional Valve	1	TPV38104
5	Connecting Seat	1	TPV38105
6	O-Rings	2	TPV38106
7	Pneumatic Cylinder	2	TPV38107
8	Cone Valve	2	TPV38108
9	Sealing Gasket	1	TPV38109
10	Windows	2	TPV38110
11	Lid	2	TPV38111
12	Retaining Ring	2	TPV38112



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CORRECT RED RING GASKET INSTALLATION

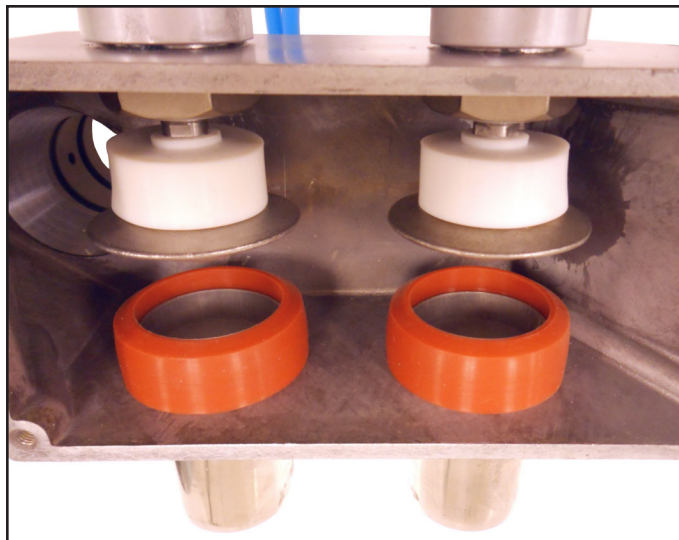
LVRG160



Chamfer up towards valves.



Flat on back side.



We suggest one drop of superglue to hold in place.



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