



Eco-Pro XL Cart

Operation & Maintenance Manual



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Warning: Read instructions carefully before attempting to install, operate or service. Retain instructions for future reference.

Introduction

The Eco-Pro XL Cart is a pump and filter combination that can be used with 55 gallons of material. The seals are chemical resistant, so they won't break down. It operates on compressed air, no electrical is needed.

When used in conjunction with Eco-Pro 360 solution, it removes rust, calcium, and limescale within cooling passages, heat exchangers, chill rolls, portable chillers, and other water lines. The built-in filter function allows the Eco-Pro 360 solution to remain at peak performance for optimal reusability.

Specifications

Pump: Air-Operated Diaphragm
Max Flow Rate: 28.5 GPM
Air Supply: 20-100 PSI
Material: Polypropylene, PTFE seals

Fittings (2 each): 1", 1 1/4", 1 1/2" – NPT Polypropylene

Hose: 20' of 1" ID Clear Reinforced PVC
(10' supply, 10' return)

Operating capacity: 55 Gallons

Dimensions: 39" Length x 35" Wide x 34.5" Height

Weight: 250 Lbs

Safety Features

Pressure Relief Valve: Allows chemical to be safely returned to container/drum when blockage is present

Air Diaphragm Pump: Senses pressure feedback and ceases operation at specific pressures (Shut Off PSI). In most cases the Shut Off PSI is approx. 10 psi less than air supply being used.

Before First Use

!!! IMPORTANT !!!

For first time set up, you will need to remove the cellophane from the filter. Once completed, be sure to tighten the filter housing unit using the wrench provided.

Operation

Instructions for Flushing Cooling Passages with iD Eco-Pro XL

- 1) Attach appropriate couplings to both the “Inlet” & “Outlet” main lines (reference Fig. 1)
- 2) Connect the “Inlet” & “Outlet” lines to their respective connections on your mold. (reference Fig. 1)
- 3) Place the “Filter Out” line in a bucket or other receptacle to collect water (reference Fig. 5)
- 4) Bypass the filter by turning the top lever on the back of the cart to bypass filter (reference Fig 3)
- 5) Connect air supply to “Blow Out” fitting (reference Fig. 3)
- 6) Turn the bottom lever on the back of the cart to “Blow Out Air” (reference Fig. 3)
- 7) Slowly turn air valve labeled “Blow Out” until air starts to flush the water from your Mold (reference Fig. 3)
- 8) Disconnect your air
- 9) Direct flow through the filter by turning the top lever on the back of the cart to “Filter” (reference Fig. 3)
- 10) Turn bottom lever on the back of the cart to “Pump” (reference Fig. 3)
- 11) Insert “Eco Inlet” tube into drum containing material (reference Fig. 2 & 4)
- 12) Connect “Filter Out” to opposite side of drum containing material (reference Fig. 2 & 5)
- 13) Connect air supply to “Pump Air” (reference Fig. 3)
- 14) Re-Engage the filter by turning the top lever on the back of the cart to “Filter” (reference Fig 3)
- 15) Slowly turn air valve labeled “Pump Air” until pump starts pumping (reference Fig. 3)
- 16) It is recommended that you flush for a minimum of one hour. Times will vary based on condition of passages

Warranty and Factory Service

Tuskin Equipment Corporation warrants its products against defects in materials and workmanship. If a failure results from such defects within One (1) year of Customer delivery, Tuskin will, at its option, repair or replace the defective unit free of all charges except for special shipping charges (UPS ground is standard).

All in-warranty and service returns must be accompanied with a Tuskin Return Authorization. For questions or to obtain a Return Authorization, contact:

Tuskin Equipment Corp.
1-800-887-5461

www.tuskin.com

Maintenance

Replace filter cartridge as needed

Parts

Tuskin #	Description
8X012	Filter Housing
8X013	Replacement Filter Cartridge
8X014	Pump
80028	Caster, Rigid
80030	Caster, Swivel
8X044	3-Way Ball Valve
8X046	Check Valve
P2702-ECXL	Dip Tube

17) Once done flushing connect air supply to “Blow Out,” turn bottom of lever on the back of the cart to “Blow Out Air” and blow out any excess Eco-Pro 360, so it returns to tank (reference Fig. 3)

18) Continue to air dry

NOTE: If flushing a mold with aluminum lines, or a closed mold with brass inserts (or any other non-ferrous metal) and/or rubber O-rings, you will need to back flush with water to break the chemical residue down. Be sure to blow out as much chemical as you can, bypassing the filter as described in step 4, and flush with water.

Notes for Flushing Heat Exchangers with iD Eco-Pro 360

- **Important:** If you are running oil on either shell or tube side of your heat exchanger, Eco-Pro 360 chemical will not remove it. Only use the chemical for sides running water.
- The same steps above can be followed for flushing out heat exchangers
- If you want to leave your heat exchanger on the machine, install a T-Valve with shut off, so you can plug into the heat exchanger. You would need to do this for the supply and return side for any/all sides you wish to run the chemical through.
- Most heat exchangers have copper in them. You will need to back flush with water following the same steps as above, just be sure to blow out all chemical, bypassing the filter, so that the water will not break down any remaining chemical in the filter housing unit.

Photo References for Operation



Fig. 1



Fig. 2



Fig. 4



Fig. 3



Fig. 5