Cool Machines Inc.

Fiber Machines - Cutting Edge Cool

BY DAVE KRENDL

www.coolmachines.com

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Internal Wetting System

What is it:

An internal wetting system (IWS) is a tube inserted into the hose near the blowing machine. It is designed to inject small amounts of moisture (supplied by garden hose or pump/tank) into the fiber as it is blown thru the hose. The automatic injection is controlled by a solenoid valve at the IWS tube unit and is actuated by on/off signal from the machine. The amount of moisture is controlled by the spray tip size and pressure adjustment. The fiber and moisture are blended together as it tumbles through the blowing hose to the attic.

(For Cellulose; refer to CIMA technical Bulletin #5).

What are the benefits?

There are two major benefits to including an Internal Wetting System with your arsenal of equipment: **Dust Reduction** and **Fiber Stabilization**.

- 'Dust', no matter what type, can be costly and harmful on the job site. Cleaning and removing fiber dust from customers' homes can add unforeseen labor costs. Not only does breathing dust raise health issues, the dust can lead to low visibility and hazardous mobility in the attic. Utilizing an IWS system for your attic installations will reduce dust from the open blow process by injecting small amounts of moisture into the fiber hose, which will make your job cleaner and safer.
- 'Stabilized Fiber' is a product pre-treated with dry (water activated) adhesive to resist settling. By injecting this small amount of water to the 'stabilized' insulation, the fiber absorbs moisture mid-stream, and after a short curing process in attic the fiber 'sticks' or locks in place. This process reduces settling and movement of fibers caused from steep slopes and air turbulence in the attic.

(Consult fiber supplier for recommended water / fiber ratio)

Optimal Performance with ALL Fibers!

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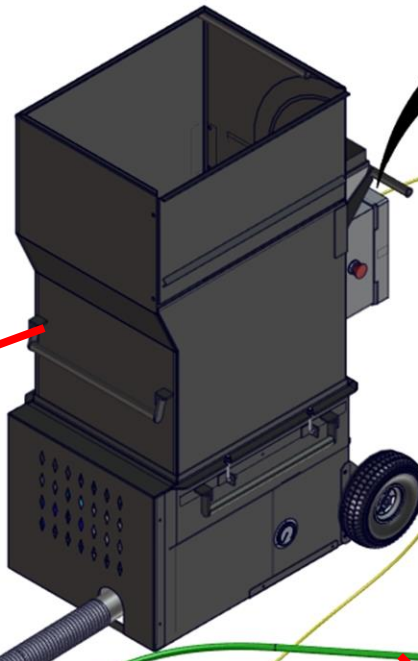
Equipment Needed:

Contact us for Ordering:

419-232-4871

Fiber Blowing Machine

An airlock machine that provides sufficient agitation for the preconditiong of fiber and ample blower pressure to blow moisture charged recycle fiber.
(Consult factory for recommended blower sizes)



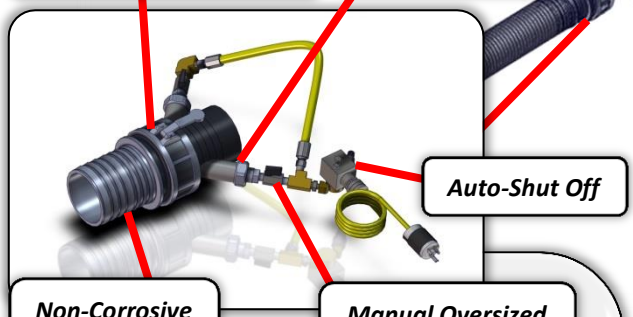
TIP: Connection options are easy.

- For hose lengths 45.72m or shorter, connect the IWS inline right onto the airlock output
- For hose lengths 45.72m or longer, connect the IWS down-line about 45.72m before the end of spray hose.

DON'T FORGET THE HOSES!

Quick Release Housing for hose service access

Quick Change Tips



Auto-Shut Off

Non-Corrosive Materials

Manual Oversized Ball valves

Internal Wetting System

Featuring an aluminum Cam-Lock body for easy maintenance access and corrosion resistance, our IWS systems come ready to host the variety of hollow-cone spray pattern tips we offer.

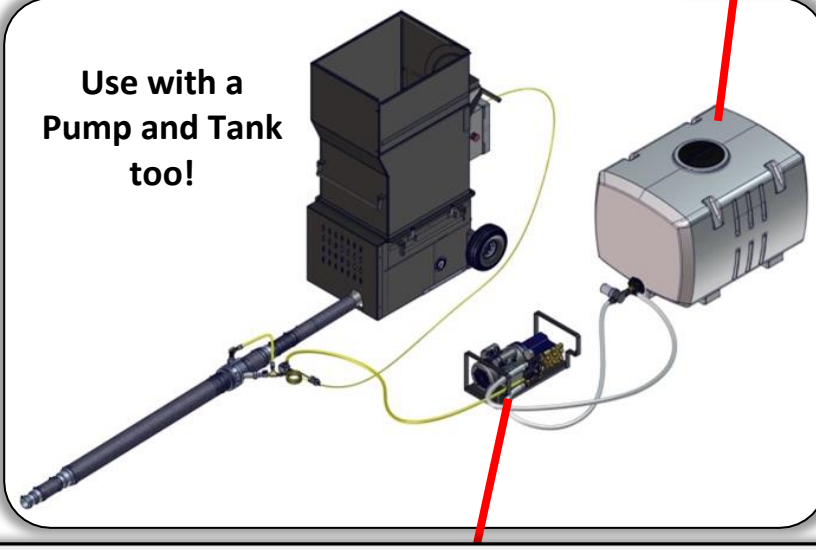
Solenoid:
230V

Water Pickup:
Garden Hose
Quick-Disconnect for Pump

A Water Source

Whether you're getting your water from the jobsite (garden hose) or from an onboard water tank, this is an essential piece of equipment for the proper use of the IWS system.

Use with a Pump and Tank too!



Pump

Capable of the required pressure (6.89 bar) to pump water, with or without adhesives, at the correct capacity (3.79 l.p.m.).

MC-20

A lower cost, self-priming, twin semi-hydraulic diaphragm pump with run-dry capability that is very portable and provides great versatility for use with an IWS, water, and glue spray applications at lower pressures.

M-03

A self-priming, triple diaphragm pump featuring a seal-less design and horizontal check valves which give this pump the ability to run dry without damage, tolerate harsh jobsite conditions, and minimize maintenance.

(See Pump Literature for more information)