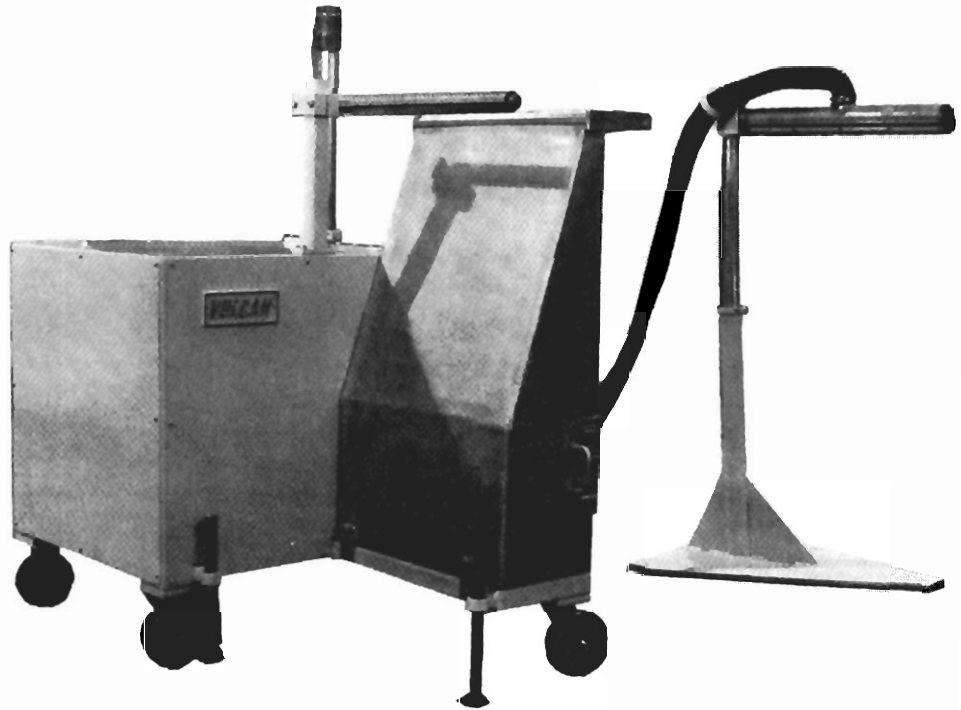




WATER REMOVAL UNIT

MODELS AVAILABLE:

MODEL NUMBER	OPENING	H.P.
WRU14	14"	10
WRU18	18"	10
WRU24	24"	10
WRU30	30"	10
WRU36	36"	18
WRU42	42"	18



APPLICATION:

The Vulcan Water Removal Unit is a high velocity air wipe system used for stripping water from strand or profile extrusions upon exit from the cooling process and prior to granulator entry. The extrudate is first introduced to the high velocity positive pressure air from a regenerative blower. This is accomplished by positioning a remote air knife at the cooling process exit. The bulk of the process water is removed from the extrudate and returned to the cooling tank. Second, the vacuum generated at the blower intake is applied to remove the residual moisture from the extrudate. This method has proven to be 40 - 50% more efficient than using a positive pressure air knife alone. Finally, the moisture is accumulated within the air/water separator tank and delivered to the plant drain or recirculation system.

Current models include the installation of an adjustable lip air knife designed to develop an efficient high velocity air jet. The adjustable angle and width of the discharge venturi are designed to maximize the wiping action of the air knife. Additionally, a diaphragm type pump drain system has been developed to evacuate the air/water separator tank. Water is now forced from the tank at considerably higher flow rates than the previous gravity fed drain system.

PERFORMANCE:

- Maximum Flow - 800 cfm
- Maximum Pressure - 105" H₂O
- Maximum Vacuum - 95" H₂O
- Inlet and Outlet Sound Dampening
- Maximum Nozzle Velocity - Approx. 20,000 fpm

ELECTRICAL:

- 460/3PH/60HZ (standard)

CASTERS:

- 6" dia X 2" wide Swivel Urethane Wheels
- Adjustable Screw Type Floor Jacks



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