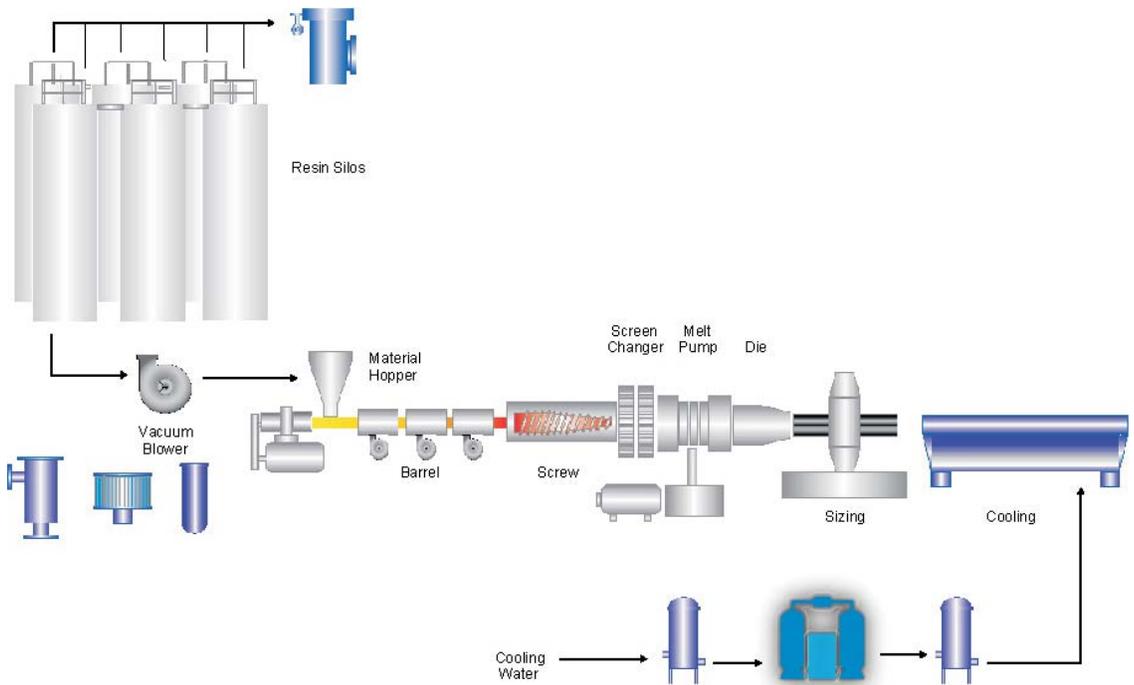


# CLASSIC

FILTER & EQUIPMENT LTD

## PIPE EXTRUSTION



### PRODUCT KEY



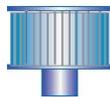
Industrial Filter



Vacuum Filter



Softener



Vacuum Exhaust Filter



Silo Vent



Vacuum Pump Oil Filter

### APPLICATION

Various Polymers are stored in silos as in pellet form. The pellets are conveyed to the polymer melt line via pneumatic vacuum transfer systems. They are dried prior to entering the Feed Hopper. The polymer is then heated to melt point through the use of heaters and extrusion screws. The molten polymer is fed to a die that forms it into an annular shape to create a solid pipe wall. The dimensions and tolerances are then set by the sizing operation and the pipe is then cooled.



Water for the cooling process should be free from any contaminants that might alter the quality of the extruded pipe. Incoming water supplies should be filtered to remove any particulate contaminant. This will protect the softener beds from pre-mature depletion of the resin. Filters should be used downstream of the softener to catch any stray resin fines that may break through the resin bed.



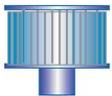
To insure water quality, softeners are often used to remove hardness from water supplies. This will prevent scale from building up in cooling trays and cooling lines during the extrusion process.



Silos used to hold the polymer pellets need to have a way to breathe during loading and unloading to prevent pressure collapse. Silo Vents allow the silo to breathe while also catching dust and other contaminants that otherwise would be released to the atmosphere.



Vacuum systems used to convey the polymer pellets to the extrusion line employ blowers and pumps. These units are protected by filters so that airborne contaminants do not build up on the internals and cause premature wear and possible breakdown.



Vacuum pump exhaust should be filtered to remove particulate contaminants as well as oil mist before it reaches the production atmosphere. This insures compliance with workplace safety regulations.



Pump oil should be filtered to remove particulate contaminants that might build up on moving wear parts. This will help lengthen service intervals, extend the life of the machine and prevent unplanned outages.

**CLASSIC FILTER AND EQUIPMENT, LTD.**

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