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Vent Design

Modified on Sunday, 01 February 2015 11:07 PM by mpieler Categorized as Extrusion Hints (10) » Twin Scale Up » Inconsistent Gear Pump Output » **Vent Design**

Vent Design
Vol. 22 2, Sept. 1995

When scaling up vented extruders, be sure to allow for the increase in the vent vapor velocity and possible entrainment/fouling of the vent. Vent velocity will increase directly proportional to the ratio of the screw diameter scale up.

If the vent is running borderline on the smaller scale, it will be unacceptable on the larger scale. A guideline for safe vent operation is to have the vent vapor velocity less than 7 ft./sec.

See also:

- Vent openings
- Vent bleed
- Vent flow
- Vent insert design
- Vent plugging
- Vents 1
- Vents 2

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