

CRYSTALLIZERS

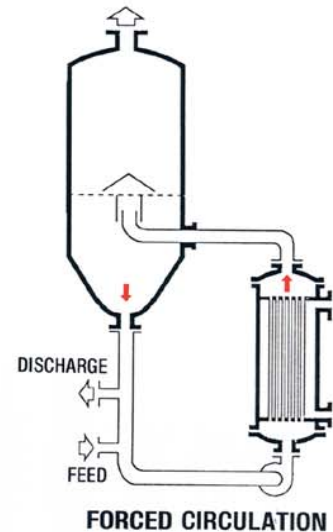
evaporative, vacuum or tubular surface cooled

Buflovak designs and manufactures crystallizers of all basic types as the schematics shown here illustrate. Whether the need is for batch or continuous operation, small or large crystals, Buflovak considers the entire process so the most economical approach can be determined.

EVAPORATIVE CRYSTALLIZERS

This approach to crystallization can be effective regardless of the solubility curve. However, many other factors, both economic and physical, must be considered in determining the ultimate choice. The submerged inlet vapor body offers the following advantages over the standard elbow inlet design:

- Larger average crystal size
- Narrows the crystal size distribution curve
- Reduction in circulation pump horsepower requirement



TUBULAR SURFACE- OR VACUUM-COOLED CRYSTALLIZERS

Generally, these types of crystallizers can be considered for materials having a solubility curve with a steep slope. The crystal size desired and the temperature level and nature of the solute will usually determine whether a vacuum- or surface-cooled unit is indicated.

