

Technical Bulletin

Optimal Sheetfed Press Operating Temperature Guidelines

Water Cooled Ink Train

Multi Zone Chilling Units:

Zone controls should be set so that the chilled ink train rollers on each unit maintain a constant temperature of 85° Fahrenheit.

Single Zone Chilling Units:

The chilling unit should be set so that the average temperature of the chilled ink train rollers on each unit maintains 85° Fahrenheit. However, temperatures may have to be modified plus or minus 8 degrees to maintain optimal print quality and ink transfer.

Notes:

Chillers set too cold will cause the bearing journals to sweat when humidity levels are elevated in the pressroom; will cause the ink to not transfer properly.

Ink train roller temperatures must be measured using a handheld infrared thermometer; only after the press has had time to reach running temperature.

Fountain Solution Cooling

The fountain solution at the pan should be 65° Fahrenheit. Depending on ambient pressroom temperatures the tanks can usually be set to 55° Fahrenheit, this should yield a pan temperature of 65° Fahrenheit.