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Pressure Increases Temperature

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Pressure increases temperature
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Because extruders perform with low hydraulic efficiencies, generating pressure will result in increasing temperatures.

For adiabatic operation (with 1.0 specific gravity, 0.5 heat capacity, and 10% hydraulic efficiency) a rule of thumb for the temperature rise is 0.5 degrees C per atmosphere pressure increase.

See also:

- [Pressure blips](#)
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