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Inconsistent Gear Pump Output

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Inconsistent gear pump output
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In conjunction with gearpump assisted extrusion, inconsistent pump output may be the result of pump starvation caused by too low pump inlet pressure. This is particularly true with highly viscous polymers such a HDPE and HMWHDPE. To remedy, increase pump inlet pressure in increments of 50 PSI and observe for improvement.

Caution: Gearpump suction pressure should never be set at a point greater than minimum pump discharge pressure less 300 PSI. Other items to check include pump drive system, downstream equipment drives and as a last resort, the gearpump itself for damage or wear.

See also:

- [Gear pump assembly](#)
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