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GENERATOR DIAMETER WARNING

The size of this generator probe may impact the achievable RPMs of the homogenizer motor unit as well as put a strain on your homogenizer (steps should be taken to avoid this).

MAX RPM

As the diameter and/or length of the PRO Quick Connect Generator Probe increases the maximum achievable RPM for that motor unit will decrease due to the increase in weight and strain on the motor unit.

MOTOR STRAIN

Due to the large diameter and length of this probe, the weight of this generator probe will place a strain on your motor unit. The PRO Homogenizer motor unit is designed to handle that strain without any concerns however if any of the additional conditions also exist the homogenizer motor unit may be taxed too much and could lead to damaging of the motor unit.

- Max processing volume (15L and above)
- High viscosity of sample
- Limited airflow to the motor unit
- Low speed processing
 - o When processing high viscosity samples do not process below 10,000 rpm for any length of time. The motor requires a higher speed with viscous material to create adequate airflow and avoid the potential for the motor to overheat.

If your homogenizing would produce more than one additional strain listed above, you may want to consider a smaller diameter probe to avoid compounding the strain on the homogenizer motor unit or adding a PRO Scientific acetal resin deflector head to assist in the homogenization of your sample:

As you set up your equipment, please do not hesitate to contact us with any questions or concerns you may have.

Thank you!

PRO Scientific Inc.

Customer Support Department

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