



FILTRATION & RECIRCULATION SYSTEM TORONGPTANK™-070

Filtration & Recirculation System ToronGPTank™-070 is designed to effectively remove particulates as small as 0.1 micrometers (depending on the filters used). This system provides filtered water that is suitable for every step in the grinding and polishing process. Additionally, it is compatible with all grinders and polishers, making it a versatile choice for various applications.

APPLICATIONS

The ToronGPTank™-070 is an essential support system designed to elevate the quality and consistency of the entire metallographic preparation process. By delivering a continuous supply of highly filtered water, it critically eliminates cross-contamination between grinding and polishing stages. This prevents coarser abrasive particles from scratching delicate surfaces during finer steps, ensuring the integrity of the final, artifact-free surface required for accurate analysis.

This system is a crucial component for maintaining quality and efficiency in:

- **High-Precision & EBSD Preparation:** In labs preparing samples for sensitive analyses like EBSD, this system is vital for removing fine particulates that can contaminate the final polishing stage and compromise the quality of the crystallographic data.
- **High-Volume Quality Control:** For manufacturing and process control labs, it ensures consistent preparation conditions from sample to sample, reduces water consumption and costs, and simplifies waste management for a cleaner, more efficient operation.
- **Reactive & Sensitive Materials:** When preparing materials prone to corrosion or contamination (e.g., medical-grade alloys, reactive metals), the use of consistently clean, filtered water is essential to prevent surface artifacts that could be misinterpreted during analysis.
- **Geological & Petrographic Labs:** To prevent the cross-contamination of hard and soft mineral specimens, ensuring that abrasive particles from a hard sample do not embed in or scratch a softer sample during subsequent preparation steps.

FEATURES

- **Plastic tank:** Made from rust-resistant materials for durability.
- **Five-level filter design:** Effectively removes coarse to fine particulates.
- **Mobile tank:** Equipped with wheels for easy transport.
- **Convenient drain valve:** Simplifies the process of changing water.
- **Automatic pump control:** Features a pressure switch that stops the pump automatically.
- **Universal compatibility:** Works seamlessly with all grinders and polishers.
- **Optional plastic pressure tank:** Reduces motor startup frequency for enhanced efficiency.

TECHNICAL SPECIFICATIONS

Model	ToronGPTank-070
Filter up to	●1um ○0.1um
Flow	3.5L/min
Power	AC110-220V
070A Dimension □ WxDxH,cm□	83x41x52
070B Dimension (WxDxH,cm)	65x60x52
● Standard ○ Option	



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