



FILTRATION & RECIRCULATION SYSTEM TORONGPTANK™ -070A

Filtration & Recirculation System ToronGPTank™-070A is a filtration and recirculation system designed to effectively remove particulates as small as 0.1 micrometers (depending on the filters used). The filtered water is suitable for every step in the grinding and polishing process, ensuring optimal results. Additionally, the system is compatible with all grinders and polishers, making it a versatile addition to your equipment lineup.

APPLICATIONS

The ToronGPTank™-070A is an essential support system designed to enhance the quality, consistency, and efficiency of the entire metallographic preparation process. By providing a continuous supply of highly filtered, recirculated water, it critically prevents cross-contamination between grinding and polishing stages. This ensures that coarser abrasive particles are removed, protecting delicate sample surfaces from scratches and producing the artifact-free finish required for accurate analysis.

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

- **High-Volume Quality Control:** For manufacturing and process control labs, it ensures highly consistent preparation conditions, reduces water consumption, and simplifies waste management for a cleaner, more cost-effective, and repeatable operation.
- **Failure Analysis & Litigation Support:** To guarantee the analytical integrity of a failed component by producing a pristine, artifact-free surface, ensuring that preparation-induced scratches are not misinterpreted as material defects or micro-cracks.
- **Advanced Materials Research (EBSD):** In labs preparing samples for the most sensitive analyses, this system is vital for removing the fine particulates that can contaminate the final surface and compromise the quality of crystallographic data.
- **Medical Device & Aerospace:** For the quality control of safety-critical components, where preventing any foreign particle contamination is essential to ensure that the observed microstructure is representative of the material and meets stringent regulatory standards.

FEATURES

- **Plastic tank:** Constructed from rust-resistant materials for longevity.
- **Five-level filter design:** Effectively removes coarse to fine particulates.
- **Mobile tank:** Features wheels for easy movement.
- **Drain valve:** Simplifies water changes for convenience.
- **Automatic pump control:** Equipped with a pressure switch that stops the pump automatically.
- **Universal compatibility:** Works with all grinders and polishers.
- **Optional plastic pressure tank:** Reduces motor startup frequency for improved efficiency.

TECHNICAL SPECIFICATIONS

Model	ToronGPTank-070A
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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