



# 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

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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        |                  |



**Torontech Inc.**

251 Consumers Road, Suite 1200  
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652  
Email: [info@torontech.com](mailto:info@torontech.com)

**Torontech, LLC**

601 Brickell Key Drive, Suite 700  
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919  
Email: [sales@torontech.com](mailto:sales@torontech.com)

**Torontech ME FZE**

Meydan Grandstand, 6th Floor,  
Meydan Road, Nad Al Sheba,  
Dubai-261440, UAE 

Phone: +971 488 19252  
Email: [me@torontech.com](mailto:me@torontech.com)

