



VERTICAL CHILLER

Vertical Chiller - ToronChill™ V Series (Industrial Chiller)

ToronChill™ V Series is an air-cooled vertical Industrial Chiller designed for stable water temperature control in laboratory analysis environments. Built for mature, reliable operation and low-noise performance, this chiller supports continuous cooling for sensitive instruments that require repeatable thermal conditions.

It includes a complete protection and alarm system plus optional water-quality monitoring and control options. Parallel communication can be configured to start/stop the chiller using an external switch signal for easier integration with lab workflows.

APPLICATIONS

Vertical Chiller - ToronChill™ V Series (Industrial Chiller) Applications

- Atomic Absorption Spectrophotometer cooling
 - Helps stabilize instrument performance by keeping cooling water consistent during long analytical runs.
- Plasma emission spectroscopy systems
 - Supports thermal control for plasma-based lab equipment where heat load can fluctuate during operation.
- Scanning Electron Microscope support cooling
 - Provides dependable recirculating cooling for lab environments that prioritize stability and uptime.
- High-frequency melting prototype equipment
 - Maintains cooling performance for lab-scale thermal processing and prototype setups.
- Glove box and direct-reading spectrometer cooling
 - Helps keep auxiliary cooling loops steady for analytical and controlled-atmosphere systems.
- Kjeldahl nitrogen analyzer cooling
 - Supports stable operation for wet-chemistry instrumentation requiring controlled cooling water.



FEATURES

Vertical Chiller - ToronChill™ V Series (Industrial Chiller) Key Features

- Stainless steel reservoir with large opening
 - Stainless construction supports durability and corrosion resistance, while the wide opening improves access for filling and inspection.
- Built-in front filter with visual inspection
 - Front-mounted filter design lets operators check condition quickly and simplify routine maintenance.
- Level/flow monitoring with alarm signal output
 - Standard water level sensor with optional flow switch sensor, plus high/low temperature alarm signal output for safer operation.
- All-stainless water path components and pump options
 - Stainless pipe fittings and water pump help support long-term water quality stability; optional resin filter and circulating pure water configuration are available.
- Rear exhaust heat dissipation with low-noise design
 - Rear exhaust layout improves heat rejection while supporting energy-saving operation, shock absorption, and reduced noise in lab spaces.
- Integration-ready communication option
 - Optional parallel communication supports start/stop control through a switch signal, useful for automated lab setups.

TECHNICAL SPECIFICATIONS

Vertical Chiller - ToronChill™ V Series (Industrial Chiller) Technical Specifications

Air-cooled chiller, reservoir with large cap (ToronChill™ Vs series)

- Temperature Stability: ± 0.1 °C
- Temperature Range: 5-35°C

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ V1s	1300	15	1.3	8	360×450×653
ToronChill™ V2s	1600	20	1.7	20	430×530×780
ToronChill™ V3s	2600	33	2.5	30	490×580×845
ToronChill™ V4s	3600	40	3.4	46	520×680×995
ToronChill™ V5s	5500	40	3.4	70	580×680×1098

Air-cooled chiller, low temperature (ToronChill™ Vs-20 series)

- Temperature Stability: ± 0.1 °C
- Temperature Range: -20-35°C

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ V1s-20	1000	15	1.3	8	360×450×653
ToronChill™ V2s-20	1300	20	1.7	20	430×530×780
ToronChill™ V3s-20	2200	30	2.8	30	490×580×845
ToronChill™ V4s-20	3300	40	2.8	46	520×680×995

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ V5s-20	4600	40	3.6	70	580×680×1098

Air-cooled chiller, energy saving (ToronChill™ Vr series)

- Temperature Stability: ± 1 °C
- Temperature Range: -20-35°C

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ V1r	1300	15	1.3	8	360×450×653
ToronChill™ V2r	1600	20	1.7	20	430×530×780
ToronChill™ V3r	2600	33	2.8	30	490×580×845
ToronChill™ V4r	3600	40	2.8	46	520×680×995
ToronChill™ V5r	5500	50	3.6	70	580×680×1098



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

Torontech, LLC

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

Toll-Free: 1-866-383-7919
Email: 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

