



SMALL MEDIUM INDUSTRIAL CHILLER

Small Medium Industrial Chiller - ToronChill™ SMI Series (Industrial Chiller)

ToronChill™ Kappa Series is an Industrial Chiller platform built for reliable, high-stability temperature control on small to medium industrial equipment. It uses a front air-intake design to simplify condenser cleaning and supports efficient top air discharge for dependable heat removal.

Its vertical design helps save floor space and includes service-friendly features such as a removable front panel, stainless-steel pump option, level display/detector, multiple remote-control options, and alarm protections for safer daily operation.

APPLICATIONS

Small Medium Industrial Chiller - ToronChill™ SMI Series (Industrial Chiller) Applications

- Laser systems cooling: Stabilizes coolant temperature to support consistent laser performance and uptime.
- Industrial & vacuum furnaces: Provides steady cooling to help protect thermal process equipment and reduce overheating risk.
- Injection molding machines: Supports process repeatability by holding stable coolant conditions during production.
- Fermentation reaction tanks: Helps maintain controlled thermal conditions for stable reactions and yield consistency.
- Welding/cutting machines: Removes heat from critical components for stable operation and reduced downtime.
- Material testing platforms & vacuum coating equipment: Supports temperature-controlled workflows for repeatable test and coating conditions.



FEATURES

Small Medium Industrial Chiller - ToronChill™ SMI Series (Industrial Chiller) Key Features

- Vertical, compact structure with lockable casters: Saves space and makes repositioning easier when layouts change.
- Removable front panel for condenser access: Speeds routine cleaning and helps maintain cooling efficiency.
- Branded stainless-steel pump: Supports stable circulation performance for industrial cooling loops.
- Level display + level detector: Improves visibility of fluid status and supports timely replenishment.
- Optional PP cotton + resin ion filtration: Helps keep circulating water cleaner for longer-term stability.
- Multiple inlet/outlet connector options: Simplifies integration with different customer equipment interfaces.
- Remote control options: Supports different remote-control and integration needs.
- Alarm & protection functions: Includes protections such as compressor delay/overcurrent, flow alarm, and high/low temperature alarms.

TECHNICAL SPECIFICATIONS

Small Medium Industrial Chiller - ToronChill™ SMI Series (Industrial Chiller) Technical Specification

Room Temperature High-Stability Chiller (ToronChill™ SMI*s)

- Temperature Stability: ± 0.2 °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™ SMI1s	1200	25	1.7	8	360×475×655
ToronChill™ SMI2s	1900	25	1.7	12	430×540×720
ToronChill™ SMI3s	2600	40	2.5	20	500×605×812
ToronChill™ SMI4s	3600	40	3.4	30	540×705×922
ToronChill™ SMI5s	5600	60	3.6	50	540×880×972
ToronChill™ SMI6s	8000	110	2.8	70	620×980×1072
ToronChill™ SMI7s	10000	110	2.8	70	620×980×1072
ToronChill™ SMI8s	15000	110	3.6	120	620×1260×1162

Low Temperature to -20°C High-Stability Chiller (ToronChill™ SMI*s-20)

- Temperature Stability: ± 0.2 °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™ SMI1s-20	900	15	1.7	8	360×475×655
ToronChill™ SMI2s-20	1600	25	1.7	12	430×540×720
ToronChill™ SMI3s-20	2200	40	2.5	20	500×605×812
ToronChill™ SMI4s-20	3200	40	3.4	30	540×705×922
ToronChill™ SMIK5s-20	5200	40	3.4	50	540×880×972
ToronChill™ SMI6s-20	7200	110	2.8	70	620×980×1072
ToronChill™ SMI7s-20	8000	110	3.6	70	620×980×1072

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ SMI8s-20	12000	110	3.6	120	620×1260×1162

Low Temperature to -40°C High-Stability Chiller (ToronChill™ SMI*s-40)

- Temperature Stability: ± 0.5 °C
- Temperature Range: -40–35 °C

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ SMI5s-40	3000	20	3.5	50	540×880×972
ToronChill™ SMI6s-40	5000	25	3.5	70	620×980×1072
ToronChill™ SMI7s-40	6000	25	3.5	70	620×980×1072
ToronChill™ SMI8s-40	8000	55	4.5	120	620×1260×1162

Room Temperature On/Off Chiller (ToronChill™ SMI*r)

- Temperature Stability: ± 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™ SMI1r	1200	25	1.7	8	360×475×655
ToronChill™ SMI2r	1900	25	1.7	12	430×540×720
ToronChill™ SMI3r	2600	40	2.5	20	500×605×812
ToronChill™ SMI4r	3600	40	3.4	30	540×705×922
ToronChill™ SMI5r	5600	60	3.6	50	540×880×972

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ SMI6r	8000	110	2.8	70	620×980×1072
ToronChill™ SMI7r	10000	110	2.8	70	620×980×1072
ToronChill™ SMI8r	15000	110	3.6	120	620×1260×1162

High-Stability Dual Temperature Chiller (ToronChill™ SMI*t)

- Temperature Stability: ± 0.2 °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™ SMI2t	1600	5	4.5	18	430×540×720
ToronChill™ SMI3t	2400	20	3.5	24	500×605×812
ToronChill™ SMI4t	3200	25	3.5	40	540×705×922
ToronChill™ SMI5t	5200	40	3.4	55	540×880×972
ToronChill™ SMIK6t	7200	40	5	75	620×980×1072
ToronChill™ SMI7t	10000	40	5	75	620×980×1072
ToronChill™ SMI8t	15000	110	3.6	128	620×1260×1162

Room Temperature Pure Water Type High-Stability Chiller (ToronChill™ SMI*p)

- Temperature Stability: ± 0.2 °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™ SMI1p	1200	25	1.7	12	360×475×655

Model	Cooling Capacity (W @25°C)	Max Flow (L/min)	Max Pressure (bar)	Reservoir (L)	Overall Dimensions (W×D×H, mm)
ToronChill™ SMI2p	1900	25	1.7	22	430×540×720
ToronChill™ SMI3p	2600	40	2.5	30	500×605×812
ToronChill™ SMI4p	3600	40	3.4	50	540×705×922
ToronChill™ SMI5p	5600	40	3.4	50	540×880×972
ToronChill™ SMI6p	8000	40	3.4	70	620×980×1072
ToronChill™ SMI7p	10000	110	2.8	70	620×980×1072
ToronChill™ SMI8p	15000	110	2.8	120	620×1260×1162



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