



OXYGEN CONCENTRATOR

Medical-Grade Home, Clinical, and Portable Oxygen Concentrators by Torontech

Torontech oxygen concentrators deliver medical-grade oxygen for home therapy, clinical care, and active mobile use across the United States and Canada. The lineup covers four prescription scenarios under one quality-managed brand: a 5 L/min home oxygen concentrator, a 10 L/min high-flow unit, a 10 L/min dual-flow model with two independent outlets, and a lightweight portable oxygen concentrator for travel.

Every Torontech oxygen concentrator produces oxygen at 93% ($\pm 3\%$) concentration through pressure swing adsorption (PSA), drawing source gas directly from ambient room air. The PSA cycle removes the need for high-pressure cylinders, scheduled refills, and the logistics burden that comes with cylinder-based oxygen supply.

The stationary models in this category — ToronOC™ 5L, ToronOC™ 10L-S, and ToronOC™ 10L-D — share a 24/7/365 continuous duty design, integrated humidification with 6 PSI pressure relief, four-direction casters, and an LCD interface. The portable ToronPOC™ FDA 1000P adds pulse dose delivery, a hot-swappable lithium-ion battery, and a 1.98 kg form factor for active and travel use.

All four oxygen concentrators are designed to meet ISO 80601-2-69, IEC 60601-1, and home healthcare standards under IEC 60601-1-11. The product line carries CE marking with notified body 0197 oversight and is listed under U.S. FDA 21 CFR Part 868 for the United States and Canadian markets.

Best For

The Torontech oxygen concentrator lineup serves patients, clinicians, and care teams across the full range of medical oxygen therapy applications. The summary below maps common use cases to the right product type for each.

Here is the information formatted as a bulleted list:

- Long-Term Oxygen Therapy at Home: Patients prescribed long-term oxygen therapy (LTOT) for COPD, emphysema, chronic bronchitis, and pulmonary fibrosis use a Torontech home oxygen concentrator as their primary daily oxygen source.
- Clinic, Nursing Home, and Hospice Care: Outpatient clinics, dental offices, nursing homes, and hospice facilities run Torontech oxygen concentrators at the bedside as cylinder-free oxygen supply for routine and acute care.
- Severe Respiratory Cases: Patients requiring 6 to 10 L/min flow rates use the high-flow ToronOC™ 10L-S oxygen concentrator for HFNC therapy, post-acute recovery, and severe COPD or pulmonary fibrosis cases.
- Two-Patient and Shared-Bed Therapy: Couples, multi-generational households, and dual-bed clinical rooms use the ToronOC™ 10L-D dual flow oxygen concentrator to serve two patients on independent prescriptions.
- Travel, Air Travel, and Outdoor Activity: Active patients use the ToronPOC™ FDA 1000P portable oxygen concentrator for daily errands, commercial flights, hiking, and altitude trips above 2,000 meters.
- Post-COVID and Respiratory Recovery: Outpatient recovery programs use Torontech oxygen concentrators as supplemental oxygen sources during recovery from viral pneumonia and post-COVID respiratory complications.
- Sleep Apnea and Nocturnal Oxygen: Patients with sleep-related hypoxemia pair Torontech home oxygen concentrators with CPAP and BiPAP systems to maintain SpO₂ during sleep.
- Hyperbaric and Wellness Oxygen Sessions: Wellness centers, sports recovery clinics, and hyperbaric oxygen chamber operators use Torontech high-flow oxygen concentrators as the oxygen source for HBOC and HFNC programs.

Product Lineup

Four oxygen concentrator models cover home, clinical, and portable medical oxygen therapy. The cards below summarize each unit; the comparison table that follows lays out the full specifications side by side.

HOME OXYGEN CONCENTRATOR ToronOC™ 5L 0.5-5 L/min, 93% (±3%) Quiet 24/7 operation at ≤43 dB for primary home oxygen therapy. Suited for COPD, pulmonary fibrosis, and post-acute recovery in single-patient households.	DUAL FLOW OXYGEN CONCENTRATOR ToronOC™ 10L-D Up to 10 L/min across 2 outlets Two independent outlets serve two patients on different prescriptions, or combine into a single high-flow line. Ideal for clinics, nursing homes, and shared households.
HIGH FLOW OXYGEN CONCENTRATOR ToronOC™ 10L-S 0.5-10 L/min, single outlet High-flow capacity for HFNC therapy, hyperbaric chamber inlets, and severe respiratory cases. Maintains 93% (±3%) purity at the 10 L/min upper limit.	PORTABLE OXYGEN CONCENTRATOR ToronPOC™ FDA 1000P 1.98 kg, up to 7 h battery Pulse dose delivery in five settings, equivalent to 5 L/min continuous. Built for travel, outdoor activity, plateau use above 2,000 m, and emergency backup oxygen.

Product Comparison

The full specification comparison across the four Torontech oxygen concentrator models is shown below. The table covers oxygen output, power, mobility, duty cycle, humidification, and accessory compatibility.

Specification	ToronOC™ 5L	ToronOC™ 10L-S	ToronOC™ 10L-D	ToronPOC™ FDA 1000P
Category	Home	High Flow	Dual Flow	Portable
Oxygen Flow	0.5-5 L/min	0.5-10 L/min	0.5-10 L/min (2 outlets)	Pulse dose 1-5 (≈5 L/min eq.)
Outlets	1	1	2 independent	1
Oxygen Concentration	93% (±3%)	93% (±3%)	93% (±3%)	90% (±3%)

Specification	ToronOC™ 5L	ToronOC™ 10L-S	ToronOC™ 10L-D	ToronPOC™ FDA 1000P
Category	Home	High Flow	Dual Flow	Portable
Outlet Pressure	0.04–0.07 MPa	0.04–0.07 MPa	0.04–0.07 MPa	Pulse delivery
Sound Level	≤ 43 dB	≤ 50 dB	≤ 52 dB	Quiet operation
Power Consumption	≤ 480 W	≤ 880 W	≤ 880 W	Battery / DC 12 V
Power Source	AC mains	AC mains	AC mains	Battery + AC + 12 V DC
Battery Runtime	Not applicable	Not applicable	Not applicable	Up to 7 hours (12-cell)
Net Weight	16 kg	27 kg	27 kg	1.98 kg (4.37 lb)
Dimensions	348×280×510 mm	365×375×600 mm	365×375×600 mm	199×183×86 mm
Mobility	Four-direction castors	Four-direction castors	Four-direction castors	Shoulder bag, backpack
Duty Cycle	24/7/365	24/7/365	24/7/365	Battery-limited per charge
Humidifier	Integrated, 6 PSI	Integrated, 6 PSI	Dual, 6 PSI each	Not required (pulse dose)
HFNC / HBOC Compatible	Yes	Yes	Yes	Pulse delivery
Best For	Single-patient home use	Severe respiratory cases	Two patients or high flow	Travel and outdoor mobility

Why Choose Torontech for Your Oxygen Concentrator

Torontech oxygen concentrators combine international medical certification, full-range product coverage, and local North American support. The points below summarize the buying decision factors that matter when sourcing medical oxygen equipment for clinical, home care, or institutional use.

CE 0197 Marked Every ToronOC™ and ToronPOC™ oxygen concentrator carries CE marking under EU MDR 2017/745, with notified body 0197 oversight on the medical device conformity assessment.	U.S. FDA Listed All four oxygen concentrator models are listed under U.S. FDA 21 CFR Part 868, supporting market access across the United States and Canada for medical oxygen therapy.	ISO 80601-2-69 Designed Designed to meet ISO 80601-2-69 particular requirements for oxygen concentrator equipment, plus IEC 60601-1, IEC 60601-1-2, and IEC 60601-1-11 for home healthcare use.
Full Lineup, One Vendor From 5 L/min home therapy through dual-flow clinical use, high-flow severe care, and portable travel models — Torontech covers the full prescription range under one quality-managed supplier.	Quality-Managed Manufacturing Manufactured under ISO 13485 quality management with ISO 14971 risk management framework, the same standards used by major U.S. and European medical device makers.	Local Support and Warranty Torontech provides North American technical support, replacement parts, and warranty coverage on every oxygen concentrator, with response times sized for clinical service expectations.

Every Torontech oxygen concentrator carries CE 0197 marking under EU MDR 2017/745 and is listed with the U.S. Food and Drug Administration under 21 CFR Part 868. The product line is designed to meet ISO 80601-2-69 (oxygen concentrator equipment), IEC 60601-1 (medical electrical safety), IEC 60601-1-2 (electromagnetic compatibility), and IEC 60601-1-11 (home healthcare environment), giving healthcare buyers a documented path through the regulatory and procurement requirements that govern medical oxygen equipment in North America.



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