

General Purpose Pro centrifuge family

Thermo Scientific™ GP PRO Centrifuge family

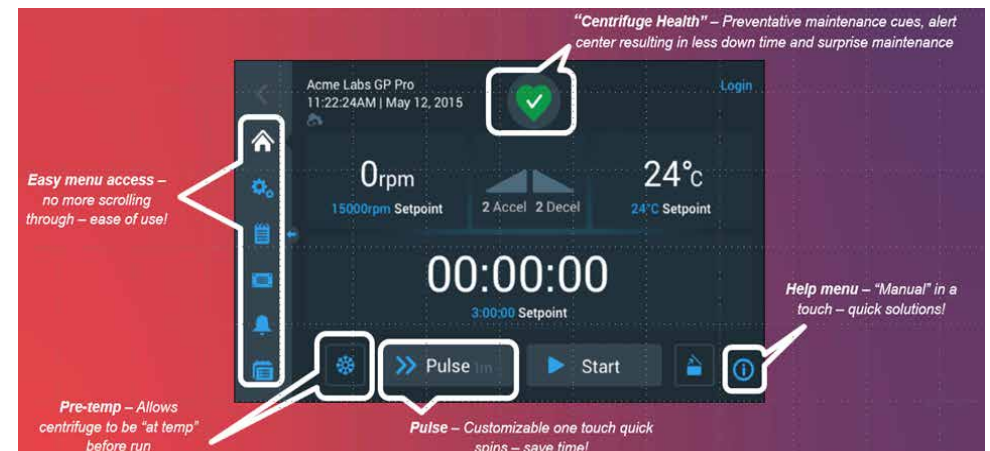
- NEW X1 Compact 1.6 L refrigerated or ventilated centrifuge
- X4 Benchtop 4 L refrigerated or ventilated centrifuge
- NEW X4F Floor model 4 L refrigerated or ventilated centrifuge

Powerful at every turn

- Touchscreen technology—easier to use, helps save time and provides improvements to day-to-day tasks with programmability and scheduling functions
- Improved ergonomics—reduced loading height, and less force required to close the lid. Thermo Scientific™ Auto-Lock™ II Rotor Exchange system: switch applications and rotors safely with no tools required
- Maximized capacity and performance—spin up to 40 x 50 mL conical tubes, 196 x 5 to 7 mL and 24 microplates in our TX-1000 rotor in the X4/X4F and 16 x 50 mL conical tubes and 84 x 5 to 7 mL and 10 microplates in H-Flex 1 rotor in X1
- Certified biocontainment—Thermo Scientific™ ClickSeal™ biocontainment lids, provide one-handed sample biocontainment

Powerful at every turn, for every application

- Life Science—cell culture, molecular biology, PCR, qPCR, Sequencing, NGS and general sample separation and preparation
- Clinical—clinical chemistry, urinalysis, blood bank and hematology
- Centrifuges are used in virtually every lab and application



thermofisher.com/gp-pro-centrifuges

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User interface

- Intuitive and easy to use user interface
- Easily program and save time from daily tasks
- Glove and reagent friendly

Auto-Lock II Rotor Exchange

- Trouble-free rotor installation and removal
 - No tools required
 - No complicated rotor changing procedures
- Full chamber access for cleaning convenience
- Quick switch between applications, and the flexibility to evolve with the changing needs of your laboratory

Thermo Scientific™ ClickSeal™ Biocontainment Lids

- Simple operation for all laboratory users, eliminating multiturn screw caps and complicated high pressure clips
- Glove-friendly, one-handed open/close capability, ergonomically designed for both left and right handed operation
- Biocontainment certification by Public Health England, Porton Down and UK



Thermo Scientific™ H-Flex 1 Rotor

Thermo Scientific™ FiberLite™ Carbon Fiber Rotors

- Lightweight carbon fiber and innovative rotor construction enable higher speed profiles not possible with metal
- Corrosion- and fatigue-resistance secures the rotor's structural integrity for outstanding durability
- Backed by a 15-year limited warranty

Ergonomics and performance

- Unmatched capacity and performance
- Compact footprint with improved loading and lid height
- Spins up to 40 x 50 mL conical tubes, 196 x 5 to 7 mL and 24 microplates in GP4/4FM
- Spins up to 16 x 50 mL conicals and 84 x 5 to 7 mL and 10 microplates in H-Flex 1 rotor in GP1

	Thermo Scientific	Eppendorf™	Beckman™	Eppendorf™	Beckman™	Eppendorf™	Thermo Scientific	Hettich™
	X1 Pro	5804	Allegra™ X-30	5810	Avanti J-15	5910 & 5920	X4/ X4F* Pro	Rotanta™ 460/460F*
Max capacity	4 x 400 mL	4 x 250 mL	4 x 400 mL	4x750 mL	4x750 mL	4 x 750 mL/4 x 1,000 mL	4x1000 mL	4x1000 mL
Max speed	15,200 RPM 25,830 x g	14,000 RPM 20,913 x g	18,000 RPM 29,756 x g	16,639 RPM 20,130 x g	10,200 RPM 11,420 x g	14,000 RPM/21,800 x g & 14,000 RPM/20,130 x g	15,200 RPM 25,830 x g	15,000 RPM 24,400 x g
Swing out rotors	5	3	5	7	2	4	7	5
Max capacity	4 x 400 mL	4 x 250 mL	4 x 400 mL	4 x 750 mL	4 x 750 mL	4 x 1000 mL	4 x 1000 mL	4x1000 mL
Max speed	6,300 RPM 7,188 x g	4,200 RPM 4,500 x g	4,700 RPM 4,255 x g	5,000 RPM 4,500 x g	4,450 RPM 4820 x g	5,001 RPM 5,000 x g	6,000 RPM 7,164 x g	4,600 RPM 5,063 x g
Fixed angle rotors	12	3	8	4	1	6	11	3
Max capacity	6 x 100 mL	6 x 85 mL	6 x 85 mL	6 x 100 mL	10 x 100mL	6 x 250 mL	6 x 250 mL	6 x 250 mL
Max speed	15,200 RPM 25,830 x g	14,000 RPM 20,913 x g	18,000 RPM 29,756 x g	16,639 RPM 20,130 x g	10200 RPM 11,420 x g	14,000 RPM/21,800 x g & 14,000 RPM/20,130 x g	15,200 RPM 25,830 x g	15,000 RPM 24,400 x g
User interface	Full Color Touchscreen	Key Pad	Touch Screen	Keypad	Monochromatic touchscreen	Keypad	Full Color Touchscreen	Traditional with knobs
Rotor locking	Auto-Lock	Tool Required	Tool Required	Tool Required	Tool Required	Tool Required	Auto-Lock	Tool Required

*Floor model centrifuge options available

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