

# FRESENIUS KABI CATSMART



## ABOUT

The **Fresenius Kabi CATSmart** autotransfusion system is designed to collect, process, and return a patient's own blood during surgical procedures, helping support blood management strategies in the operating room. Using automated processing technology, the system separates and washes red blood cells to provide a consistent, high-quality output for reinfusion. Its user-friendly interface and guided workflow simplify operation, allowing clinical staff to efficiently manage intraoperative blood recovery with minimal manual intervention. The compact design and mobile platform make it easy to position within a variety of surgical environments, from operating rooms to specialty procedure suites.

## FEATURES

- **Automated Blood Processing:** Collects, washes, and concentrates red blood cells.
- **User-Guided Operation:** Intuitive interface with step-by-step prompts helps streamline setup and operation.
- **Flexible Processing Programs:** Multiple program options allow customization based on procedure type and blood volume requirements.
- **Compact, Mobile Design:** Integrated stand and small footprint provide easy transport and positioning.
- **Consistent Output Quality:** Designed to produce reliable hematocrit levels and high-quality washed red blood cells for reinfusion.



# SPECIFICATIONS



## DIMENSIONS

**Height (In transport position):** 33.5 in (85 cm)

**Height (In highest position with IV poles):** 72.2 in (183.5 cm)

**Width:** 20.9 in (53 cm)

**Depth:** 32.3 in (82 cm)

**Weight:** 181 lb (82 kg)

## CENTRIFUGE

### Speeds

- Centrifuge Rotor:  $nr = 0 - 1200 \text{ rpm} \pm 60 \text{ rpm}$
- Washing Chamber:  $nw = nr \times 2 = 0 - 2400 \text{ rpm} \pm 120 \text{ rpm}$

**Direction of rotation:** counter clockwise

**Mass of washing chamber:**  $m = 0.6 \text{ kg}$

## WASH PROGRAMS

**Low Volume Wash:** 25 mL/min

**Smart Wash:** 20 - 40 mL/min

**Emergency Wash:** 50 - 100 mL/min

## DELIVERY FLOW RATES

**Red Blood Cell Pump:** 0 - 190 mL/min

**Shed Blood Pump:** 0 - 350 mL/min

**Washing Solution Pump:** 0 - 400 mL/min

## IV POLES

**Maximum Load:** 6.6 lb (3 kg) per hook

## VACUUM UNIT (OPTION)

**Dimensions (HxWxD):** 6.5 in x 7.3 in x 13.6 in (16.5 cm x 18.5 cm x 34.5 cm)

**Weight:** 9 lb (4.1 kg)

**Intake capacity without disposable:** 42 l/min (1013 mbar)

**Vacuum (max) without regulation:** < 130 mbar (1013 mbar)