

Infinity[®] CNAP[™] SmartPod[®]

The Infinity[®] CNAP[™] (Continuous Noninvasive Arterial Pressure) SmartPod[®] provides a simple, accurate method for measuring systolic, diastolic and mean blood pressure. Simply slip the sensor cuff onto the patient's fingers. Once applied, the patient monitor continuously displays the arterial pressure values and pressure waveform. CNAP offers a fast and simple way to create a continuous blood pressure reading.

The CNAP solution provides the clinical utility (i.e., beat-to-beat vigilance) of the invasive arterial line – with the user convenience and simplicity of a noninvasive cuff. It bridges the gap in many situations when NBP is not enough, and an arterial line is just too invasive and complicated.

Provides real-time hemodynamic management

The system works by utilizing photoplethysmograph sensors (light emitting diode and detector) integrated into the sensor cuff. While the sensor detects changes in blood volume based on the amount of light transmitted through the finger, the cuff pressure closely follows the instantaneous pulsatile blood pressure changes in the finger arteries.

Blood pressure can then be calculated beat-to-beat, after calibration with the built-in standard oscillometric measurement (NBP) of the monitor – and a high resolution, real-time arterial pressure waveform is displayed.

Benefits:

- Simple application
- Reusable sensor cuffs – saves on costly disposables
- Supported during in-hospital transport with Pick and Go[®] – conveniently mounted on an IV pole
- Improved time to intervention – provides continuous measurements without requiring an arterial line
- High fidelity trending data – allow a comprehensive view of the patient's status
- Adjustable alarm limits



Technical Specifications

Measurement method	Vascular Unloading Technique
Displayed parameters	Systolic: CNAP-S Diastolic: CNAP-D Mean: CNAP-M
Measurement range	Systolic: 40 – 250 mmHg (5.3 – 33.3 kPa) Diastolic: 30 – 210 mmHg (4 – 28 kPa) Mean: 35 – 230 mmHg (4.66 – 30.7 kPa)
Display resolution	1 mmHg (0.1 kPa)
Accuracy	±5 mmHg (0.6 kPa)

Measurement Calculation Interval

Inflation pressure	Default: 120 mmHg (16 kPa) Minimum: 30 mmHg (4 kPa) Maximum: 300 mmHg (40 kPa)
Over pressure limits	Pressure: 300 ±10 mmHg (40 kPa + 10% kPa) Response time: ≤ 3 sec. Deflation time: (to reach < 15 mmHg) ≤ 15 sec.

Trended Parameters and Duration

24 hour trends for CNAP-S, CNAP-D and CNAP-M on Infinity Delta, Delta XL or Kappa monitors

Alarms	User selectable alarm limits for CNAP-S, CNAP-M and CNAP-D
Waveforms	Pressure waveform

Product Specifications

Size (pod) H x W x D	48 x 132 x 137 mm (1.87 x 5.21 x 5.40 in.)
Weight	0.35 kg (0.78 lb) (pod only)
Power source	Powered directly from monitor via pod communication port
Fixed key	CNAP Start/Stop – to deflate the CNAP sensor cuff on demand, or to initiate a CNAP measurement from the pod

Environmental Requirements

Temperature range	Operating: 5° C to 45° C (41° F to 113° F) Storage: -20° C to 60° C (-4° F to 140° F)
Relative humidity	Operating: 10% to 95% non-condensing Storage: 10% to 95% (with packaging)
Atmospheric pressure	Operating: 485 to 795 mmHg Storage: 375 to 795 mmHg



Standards

MDD 93/42/EEC, Appendix I; EN60601-1/1990, A1/1993, A2/1995; EN60601-1-2/2001; IEC 529:1989.

The CNAP pod complies with Medical Devices Directive (MDD) 93/42 EEC and bears the CE mark.

Ordering Information

Infinity CNAP SmartPod Kit MS17075

Includes: CNAP pod, cuff controller, connection cable, cuff controller forearm strap, 1 small, 1 medium and 1 large sensor cuff, pod communication cable and universal pole mount.

NBP cuffs and hoses should be ordered separately.

Notes:

Infinity Delta/Delta XL/Kappa monitors equipped with VF7 software support the CNAP pod.

Siemens SC7000, SC8000 and SC9000XL are also upgradeable to VF7 with the requirements listed.

Siemens SC7000, SC8000 and SC9000XL monitors with software level below VF4 and the following hardware revisions require Memory Expansion Board (7494557): Siemens SC7000 below 14, SC8000 below 17, and SC9000XL below 6.

Europe, Middle East, Africa,
Latin America, Asia, Pacific:

Dräger Medical AG & Co. KG

Moislinger Allee 53–55

23542 Lübeck

GERMANY

Tel: +49-451-882-0

Fax: +49-451-882-2080

E-mail: info@draeger.com

www.draeger.com

The Infinity CNAP SmartPod is available in selected markets.
Contact your local sales representative for details and availability.

The Infinity CNAP SmartPod requires 510(k) review and is not available
commercially in the US.

The Infinity CNAP SmartPod is not licensed in accordance
with Canadian Medical Device Regulations.

CNAP is a registered trademark of CNSystems.

Manufacturer:
Dräger Medical Systems, Inc.
Telford, PA 18969 USA

The quality management system at
Dräger Medical Systems, Inc. is
certified according to ISO 13485,
ISO 9001 and Annex II of Directive
93/42/EEC (Medical devices).