

# PRODUCT **CATALOG**



A new era of smarter,  
safer and affordable healthcare

# About Us

vTitan specializes in the design, development, and manufacturing of cutting-edge medical devices that empower healthcare professionals and enhance the quality of life for patients. We are committed to advancing patient care and improving healthcare outcomes through the infusion of latest technology into medical devices. At vTitan, we keep a relentless focus on innovation in product design, user-centric interfaces, patient safety and product reliability.

We offer medical products that are not just functional but also intuitive to understand and operate with unmatched quality. Designed and developed in India, our products are making a distinct mark in domestic and international markets with their unique set of features and built-in capability of remote monitoring, offering web and mobile solutions at an affordable price.

Our patented technologies in infusion therapy and interventional radiology have set new standards of care in respective product domains, leading to better patient outcomes and productivity gains for hospitals.



# Our Commitment

Our mission at vTitan Corporation is to manufacture and deliver medical devices that:

**Meet and Exceed Standards:** Fully comply with domestic and international medical device regulations and standards while surpassing the intended use requirements.

**Commit to Quality and Improvement:** Cultivate a culture of continuous improvement, where every team member is dedicated to enhancing product quality and operational excellence.

**Adapt and Innovate:** Maintain a dynamic quality management system that evolves with industry advancements and customer needs, ensuring our devices remain at the forefront of medical technology.

**Prioritize Customer Support:** Provide exceptional service and support to our customers, ensuring any issues are resolved promptly and effectively to support their critical healthcare needs.

At vTitan, we are driven by a passion for improving healthcare through superior medical devices and unwavering commitment to our customers. By blending cutting-edge technology with a dedication to excellence, we aim to make a meaningful impact on the health and well-being of people worldwide.





# Our Products

## Infusion

*Accuflow* Drip Monitor  
*Accuflow* VE Syringe Pump  
*Accuflow* Thala Pump  
*Accuflow* Infusion Pump



## Urology

*Accuflow* Uro



## Therapy

vREM (CPAP)  
*De* Thromb (DVT Pump)



## Radiology

HighHNoon



## Monitoring







vCardio (Cardiac Monitor)  
IntelliICU





# Accuflow Drip Monitor

Accuflow Drip Monitor tracks gravity infusion and alerts caregivers during critical conditions. With Wi-Fi connectivity, it allows remote viewing of infusion parameters and alarms from the nursing desk.

-  Reliable drop sensing
-  Monitors IV closely
-  Critical alarm display
-  Reduces nurse workload
-  Improves patient treatment outcomes
-  Remote monitoring solution with real-time infusion status, alarms. Multi-platform software for different use environments









## Technical Specifications

Dimensions (LxBxH)	180 x 160 x 65 mm	Chamber Diameter	13.5 to 19 mm (Single chamber drip sets) 25 mm (Double chamber drip sets with outer ring)
Weight	35 g	Display Parameters	Duration, Flow rate, Drip rate, Drop count, Volume infused
Display	1.7" colour display	Communication	Wi-Fi
Compatible IV Sets	10, 15, 20, 60 gtt/ml	Battery	Li-ion battery, upto 24 hrs
Accuracy	Drop detection accuracy- 99.9%		

# Accuflow VE Syringe Pump

Accuflow VE syringe pump delivers accurate and reliable infusion therapy to patients in a controlled manner.

-  Patented closed-loop motion control technology
-  Improved infusion accuracy
-  3.5 inch colour display
-  User intuitive controls
-  Li-on battery, up to 10 hours battery backup
-  Remote monitoring solution with dashboard, real time status, configurable drug library, infusion audit reports









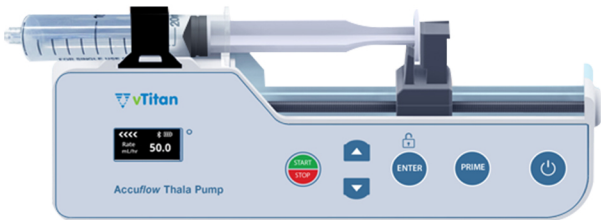
## Technical Specifications

Dimensions (LxBxH)	275 x 120 x 108 mm	Infusion Modes	Rate Mode, Volume/Duration Mode, Dosage Rate Mode, Multi-Step Mode
Weight	2.2 kg	Accuracy	Mechanical: $\pm 1\%$ , Flow Rate : $\pm 2\%$
Syringe Capacities	5, 10, 20, 50/60ml	Bolus	Manual and Auto Bolus
Flow Rate Range	0.1 - 1200 mL/hr	KVO Rate	0.1 – 5 mL/hr
VTBI Range	0.1 – 999 mL		

# Accuflow Thala Pump

Accuflow Thalassemia Pump is designed for reliable infusion of iron-chelating agents for thalassemia patients focusing mainly on patient safety, simplicity, and comfort.

-  Compact and portable
-  Easy to use
-  Quick 3-step operation
-  Simple priming procedure
-  Lock functionality
-  Visual and audio alarms



## Technical Specifications

Dimensions (LxWxH)	172 x 36 x 51 mm	Accuracy	±2%
Weight	185 g	Priming function	Available
Display	0.96" OLED	Battery type	9V Li-ion battery (Rechargeable)
Compatible Syringes	5, 10, 20 ml	Battery Life	40 hrs
Flow Rate Range	0.1 - 70 mL/hr		



# Accuflow Uro

Accuflow Uro is a non-invasive uroflowmetry device that accurately measures urine volume and helps in diagnosing urinary problems like incontinence, hesitancy, and other voiding dysfunctions.



Lightweight



High precision load cell sensor with 3 kg capacity



Adjustable urine density, time and flow scale



Pre-configurable diagnostic codes



Wireless and real time data acquisition



Detailed reports with patient data, results and nomograms









## Technical Specifications

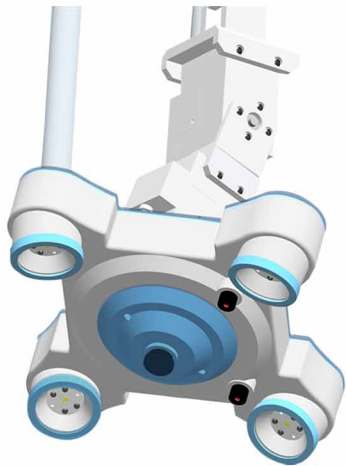
Dimensions (LxBxH)	180 x 160 x 65 mm
Weight	1 kg
Flow Rate	0.1-50 mL/s
Volume	Up to 1000 mL
Accuracy	+/-2% of voided volume

Modes	Manual, Auto
Parameters Measured	Max flow rate, Avg flow rate, Voided volume, Voiding time, Flow time, Time to max, Hesitancy
Communication	Bluetooth
Battery	4 AA batteries

# HighNoon

HighNoon is a shadow based, CT guided instrument positioning assistant, which helps clinicians in performing high-risk and high-precision percutaneous medical interventions.

-  Needle point accuracy, Shadow based real-time guidance
-  Easy learning curve
-  Minimal iterations, reduced radiation exposure
-  No need for calibration every time
-  Early diagnosis & treatment
-  Better patient comfort & improved patient safety










## Technical Specifications

Compatible Modality	CT, CT Fluro	Mounting Options	Permanent (Floor/Ceiling/Wall or combination option available as per site)
Imaging Interface	DICOM 3.0	Positioning Method	3 level confirmation for accurate positioning (shadow based + laser alignment + live feed view)
Positioning Accuracy	2 mm	Communication	Wi-Fi
Linear Resolution	0.5 mm		
Device Controls	Wireless keypad and Foot switch		

# De Thromb

De Thromb is a cutting-edge solution designed to effectively address deep vein thrombosis (DVT). This Intermittent Pneumatic Compression pump non-invasively increases blood circulation in the limbs.

-  Compact and easy to use
-  Supports both uniform and sequential compression modes
-  Detachable hooks to hang on bedside
-  Programmable pressure and interval time
-  Up to 8 hours battery backup
-  Provision to track and reset total operating hours
-  Audio and visual alarms



## Technical Specifications

Dimensions (LxWxD)	178 x 253 x 202 mm	Compression Pressure	Calf/thigh: 20, 30, 40, 50, 60 mmHg Foot: 120, 130, 140 mmHg
Weight	2.2 kg	Interval Time	24, 48, 60 seconds (selectable)
Display	1.7-inch LCD	Power Supply	100-240 V AC, 50-60 Hz
Compression Areas	Thigh, calf, foot	Battery	Rechargeable Li-ion battery
Compression Modes	Uniform, sequential		



# vCardio

vCardio is a state-of-the-art ambulatory cardiac monitoring device designed for precise ECG monitoring using a reusable electronic module that snaps over a disposable electrode patch.



Sleek and lightweight



Continuous cardiac monitoring upto 7 days



Patient-triggered symptom tracking



Wearable in shower



Lead-off detection to identify lead disconnections



Multi-platform software for various use environments









## Technical Specifications

Dimensions (HxWxD)	58 x 50 x 17 mm
Weight	35 g
Type	Single Lead (Lead II)
Sampling Rate	256 samples/sec
CMRR	> 80 dB

Heart Rate	Range: 25-240 BPM Accuracy: +/- 5 BPM or 10%
Respiratory Rate	Range: 3-40 breaths/min Accuracy: +/- 3 breaths/min
Communication	Bluetooth
Battery	CR2450 coin cell battery

# vREM

vREM is a comprehensive CPAP therapy device for restoring restful sleep and combating the effects of obstructive sleep apnea (OSA).

-  CPAP and APAP modes to cater to your therapy needs
-  Comfort features such as auto ramp, flex and automatic start / stop
-  Check mask fit feature to reduce leakage
-  Pollen and ultrafine (bacterial) filter for effective filtration of particles
-  Compatible with 15 mm & 22 mm tubing
-  Application for monitoring of therapy data and report generation









## Technical Specifications

Dimensions (LxWxH)	240 x 160 x 85 mm	Humidifier	Level 0-6
Weight	< 1.5 kg (approx.)	Altitude Compensation	Automatic
Pressure	4-20 cmH2O	Communication	Bluetooth
Ramp Time	0-45 min (or Auto)	Power Supply	100-240 V AC, 50-60 Hz
Flex	Off, Level 1-3		

# Accuflow Infusion Pump

Accuflow Infusion Pump helps to provide intermittent or continuous flow of fluids such as medications, nutrients etc., to the patients intravenously.

-  Patented closed loop motion control technology
-  Improved infusion accuracy
-  Capacitive touch overlay
-  Compatibility with the standard IV sets
-  Remote monitoring solution
-  Li-Ion battery powered



## Technical Specifications

Dimensions (LxWxH)	274 x 126 x 120 mm	Accuracy	±5% (with the compatible IV sets)
Weight	1.9 kg	Infusion Modes	Rate Mode, Dosage Rate Mode, Multi-Step Mode
Display	3.5" Color LCD	Bolus	Manual and Auto Bolus
Flow Rate Range	0.1 - 1500 mL/hr	KVO Rate	0.1 - 5 mL/hr
VTBI Range	0.1 - 9999 mL	Battery	Li-Ion, Operating time: 8 - 10 hrs



# Accuflow Compact Pump

Accuflow Compact Pump delivers fluids to a patient's body in a controlled manner for immunoglobulin therapy and palliative care.



Improved infusion accuracy



User intuitive controls



Li-on battery, up to 30 hours battery backup



Rate and volume duration mode

## Vein Detect

Vein Detect is a non-invasive imaging device that helps to find the optimal venipuncture site. It utilizes advanced Light Emitting Diodes (LED) to illuminate veins beneath the skin, creating a clear contrast that allows healthcare providers to locate veins quickly and accurately.



LED technology



Suitable for all age groups










Suitable for all skin types



Compact and portable

# IntelliICU

IntelliICU is a care management and an ICU monitoring solution that provides a patient-centric unified dashboard view and a set of easy-to-use caregiver interfaces for better patient care.

-  Remote view and management
-  Smart alarm management
-  Unified patient dashboard
-  Paperless ICU
-  Real time video feed
-  Nurse workload optimization
-  Enhanced clinical collaboration



## Manage Progress Notes

Provides patient-wise progress notes editor, using which nurses can judiciously record the instructions from intensivists and doctors and provide effective medical interventions.

## Parameters of Concern

Allows doctors and nurses to customize the user interface, option to choose the parameters of concern based on the patient care needs, helps in ascertaining the prognosis.

## Real Time Video Feed

Option to view the real time video feed of the patient to closely monitor the patient's physical state and provide necessary medical intervention.

## Choosing the appropriate EWS (Early Warning Score)

IntelliICU provides customization option to choose the appropriate EWS. Some of the early warning scores are Braden scale, Rass scale, Apache II score, SOFA score, NEWS2 score.

## **vTitan Corporation Private Limited**

New Woodlands Building, Estancia IT Park,  
Plot No. 140,151 Vallancheri Village,  
Chengalpattu District,Tamil Nadu - 603202, India.

Toll Free Number: 18005721664  
Email: sales@vtitan.com

Website



Product Brochures



©2025 vTitan Corporation Pvt. Ltd.  
981-1014 Rev 02