RADA ACU-T3

- Buildcert TMV3 Scheme Approved
- WRAS Approved
- Exceeds HTM64 requirements
- Sets new standards in infection control
- Non-touch ON/OFF spout activation or timed flow control and temperature adjustment
- Programmable flow times and temperatures, 3 optional pre-programmed modes
- Programmable 'duty flushing'
- Thermal disinfection with datalogging
- Temperature logging / D08 commissioning regime
- Valve information and usage data
- High pressure only
- Incorporating T-logic™ digital intelligence

T-logic™ Digital Intelligence

Allows the user to operate, communicate and exchange information with the digital mixing valve to deliver the ultimate in safety, hygiene and control.

Specify as:
Rada Acu-T3 DMV with 190 mm Spout (1.1664.001) or
Rada Acu-T3 DMV with 225 mm Spout (1.1664.002)
Concealed digital mixing valve for washbasins, offering programmable maximum, minimum and default temperatures, duty flush and thermal disinfection with temperature logging and data logging capabilities. Supplied complete with programmable software, power supply, isolators, non return valves and filters. Panel mounted control panel offering access to valve, featuring infra-red non-touch controls for temperature adjustment and programming. Panel mounted spout offering user activated on/off control or timed flow.
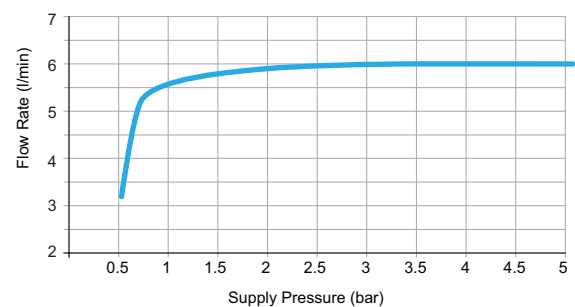
Dimensions (mm)

Caution! Dimensions shown are the finished product dimensions and should not be used as a guide for cutting panels.
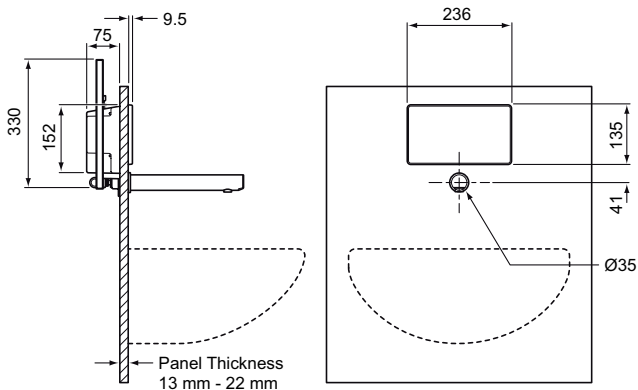
Panel and basin not supplied

Flow Diagram

TECHNICAL SPECIFICATION

Installation and Maintenance
Please refer to the appropriate product manual.

Connections
15 mm Compression / Flat faced Union

Approvals
Buildcert TMV3 Thermostatic Mixing Valve Scheme approved:-
HP-WE High Pressure Washbasin - Economy Flow Rate, max temp 41°C
WRAS approved (Water Regulations Advisory Scheme)
BEAB approved
Designed, manufactured and supported in accordance with accredited
BS EN ISO 9001:2008 Quality Management Systems and
BS EN ISO 14001:2004 Environmental Management Systems

Operation
Flow control: Non-touch ON/OFF activated via the spout.
Temperature control: Full non-touch temperature control.

Factory pre-set: Patient mode, activation of the water supply via the spout sensor, flow preset at 38°C with temperature adjustment up to 41°C and full cold.

Pre-programmed modes:
Clinical: Activation of the water supply via the spout sensor, flow preset at 41°C with no temperature adjustment.
Patient: Activation of the water supply via the spout sensor, flow preset at 38°C with temperature adjustment up to 41°C and full cold.
Surgical: Activation of the water supply via the spout sensor, 3 minute timed flow with temperature adjustment in 2 degree increments between 35°C and 43°C.
Free Mode (user defined mode): Activation of the water supply via the spout sensor, flow duration adjustment up to 5 minutes, temperature adjustment: Full Cold or 30°C to 48°C

Materials
Control panel cover: PC with in mould decoration.
Mixing unit enclosure: ABS.
Integral components: DZR brass, stainless steel, engineering plastic.

System Temperature Range
Programmable range: Min. Full Cold, 30°C - 38°C or no user adjustment, Max. 43°C - 48°C or no user adjustment, and Blend. 33°C - 41°C.
Minimum blend temperature differential from hot supply: 2°C.
Optimum thermostatic control range: 30°C - 48°C.
Cold water range (recommended): up to 20°C.
Hot water range (recommended): 50°C - 65°C (85°C during disinfection).
Temperature stability: ± 1°C for recommended supply conditions.

System Pressures
Maximum static pressure: 10 bar (1000 kPa).
Minimum static pressure: 1 bar (100 kPa).
Hot and cold pressure should be nominally equal.
(Max differential 3:1 either way).
Maximum flow rate: 6 l/min flow regulator fitted.

Environment
Ambient temperature: 1°C - 40°C.
Maximum relative humidity: 95% non-condensing at 25°C.
Note! Certain types of compact fluorescent and low voltage lighting use high frequency lamps that can interfere with the infrared system used in the control panel. Install in areas where standard switch-start fluorescent lighting is used.

IP Rating
IP24

Electrical Specification
Supply Voltage: 100 - 230 V RMS 50 - 60 HZ.
Maximum load: 20 W (PSU).
Mains cable length: 3 m.

Times (Duty flush not enabled at factory, programming required)
Factory settings (Patient Mode)
    Flow time to Auto Shut-off: 2 seconds
    Duty flush cycle: 2 minutes.
    Duty flush waiting period: 18 hours.

Programmable range (Free Mode)
    Flow time: 10 seconds - 5 minutes (or, if zero is selected no time flow applies and spout activation determines flow duration)
    Duty flush cycle: 1 - 59 minutes.

Disinfection
Factory settings
    Minimum temperature: 60°C.
    Minimum time: 5 minutes.
    Disinfection activated from the interface.

Temperature Logging
Automatic cycle that measures hot, cold and blend temperatures and displays them on screen.

FM 14648

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