

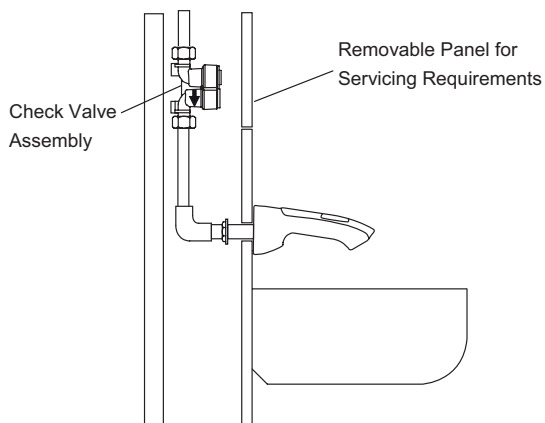
RADA MX1 80UK

INTELLIGENT CARE PANEL MOUNT TAP WITH TEMPERATURE CONTROL

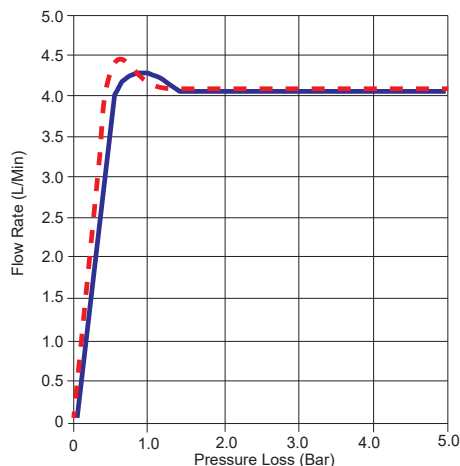
- Non Touch IR flow control.
- Non Touch capacitive temperature control.
- Brass valve engine (no plastics).
- Integral smooth bore copper outlet pipe.
- Open bore flow insert, removable for easy cleaning.
- High internal valve flow velocity.
- Air tested at factory.
- Programmable duty flushing / Thermal disinfection.
- Integral 12 month data log.
- Networkable using modbus RTU over RS485.



Installation Diagram



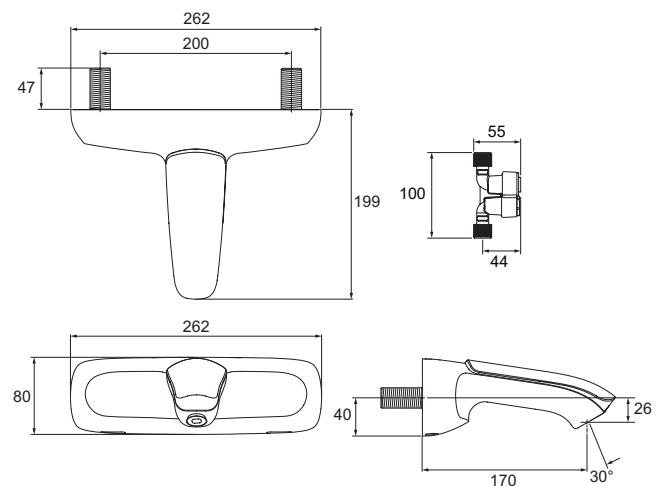
Flow Diagram



Specify as: Rada MX1 80UK (76670-CP)

Intelligent thermostatic panel mount tap with non-touch flow (IR) and temperature (capacitive) controls, smooth bore copper outlet pipe with open bore flow insert, check valve/filter unit, programmable temperatures, run time, automated blend duty flush and cold flush, thermal disinfection, integral 12 month data log and optional connection to building network systems.

Dimensions (mm)



TECHNICAL SPECIFICATION

Operation

Flow: Infra red non-touch activation.

Temperature adjustment: Capacitive sensor, allowing either non-touch adjustment by either holding or waving hand up to 35 mm above temperature graphic, or touch control, using the temperature graphic pads.

Approvals

WRAS

KIWA UK

BEAB EN 60730-2-8

EN 61558-2-16 (Power Supply).

Temperature

Factory pre-set: 39°C

Factory pre-set temp. range – Min: 37°C, Max: 41°C

Programmable range – Min: 33°C Max: 45°C

Note! Full cold can be selected during programming

Maximum hot water: 55 - 65°C (80°C for thermal disinfection)

Temperature check mode: Allows measurement of blend as well as hot and cold inlet supplies.

Pressure Range

Note! Hot and cold supply pressures should be nominally equal.

Maximum static pressure: 10 bar

Minimum dynamic pressure: 1 bar

Maximum dynamic pressure: 5 bar

Connections

15 mm Compression or 1/2" BSP

Checkvalve / filter / flow regulator assembly with integral isolation:

1/2" BSP / 15 mm compression.

Flow

Modes: On/Off (Timed, Blocking)

Flow duration: Programmable (1 sec - 60 mins)

Electrical Specification

Power supply unit is supplied.

Power supply output: Rated voltage: 12 Vdc

Rated current: 2.5 A

Power supply input: Rated voltage: 100 Vac - 240 Vac

Rated current: 1.0 A

Frequency: 50/60 Hz

IP Ratings

Tap: IP X4

Power supply unit: IP X4

Programming Options

Programming via Rada App using iOS tablet over Bluetooth

Blend Duty Flushing:

Operating modes: Off, Standard, Smart

Activation time: Real time scheduling (hrs/mins)

Interval period: 1hr - 1 Week

Flush duration: 1 sec - 25 mins

Set temperature: Programmable

Cold Only Flushing:

Activation time: Real time scheduling (hrs/mins)

Interval period: 1hr - 1 Week

Flush duration: 5 sec - 10 mins

Thermal Disinfection:

Operating modes: Off, Standard, Exponential

Flush duration: 1 - 30 mins

Minimum temperature: programmable

Networking

The MX1 Taps are networkable using modbus RTU over an RS485 connection.

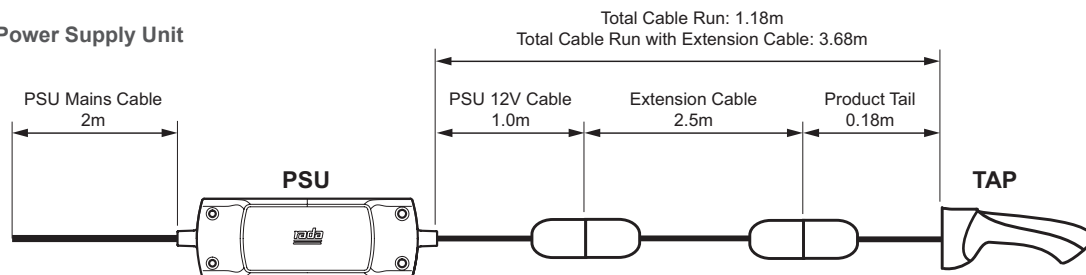
This enables the MX1 Taps to be linked to a Building Management System (Refer to separate IC Networking Datasheet - P6480).

Networking

Part no. 76705-NA: Rada (ACI 9) 2.5m extension cable

Part no. 1.1664.234.1: Pall Filter Adaptor

Connection to Power Supply Unit



Kohler Mira Limited
Cromwell Road, Cheltenham
Gloucestershire, GL52 5EP

Specification Enquiries
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