

INSTALLATION INSTRUCTIONS VENEZIA URINAL WITH SENTINEL ELECTRONIC URINAL FLUSHING SYSTEM



CODE: JURV100.400.401

SCOPE OF OPERATION

Operational flow pressure for water supply - 300-500kPa

The flush valve controller is preset to supply a volume of 0.8L per flush (6 Star WELS rated)

The flush valve is activated upon sensing the presence of a user - there are 3 operating modes that are activated on usage frequency:

Mode 1 Single use

Flush commences 5sec after user departs

Mode 2 Multiple use (Stadium mode)

If a single use flush is activated 3x continuously the Stadium mode is activated

After the 3rd flush there is a delay of 150sec then there is a single flush every 60sec.

This 60sec flush cycle is repeated 5x

Sensor activity then reverts to Mode 1

Mode 3 No use

A cleansing flush is activated every 24 hours of non-use

Compliance - the urinal and sensor/valve assembly must be installed by a licenced plumber in compliance with the Plumbing Code of Australia and any LGA requirements.

DESCRIPTION

The system can be supplied in two parts to suit a phased installation schedule:

1. Rough-in kit - 1. Flush valve module - solenoid valve, air-break, dual check valve, filter and isolating valve.
2. System controller and power supply adapter

The module box has a cover that can be trimmed to suit varying wall tile/cladding thickness.

2. Fit-off kit - Vitreous china urinal, microwave sensor, mounting fittings and waste trap.

An optional wall cover plate is available for the flush valve module.

GENERAL

A 20mm water supply is required.

A 240V GPO is required in the proximity of the Flush Valve Module - the power adapter has a 5m connection cable.

The microwave sensor must be fitted to the urinal - see Fig. 6 for the correct placement.

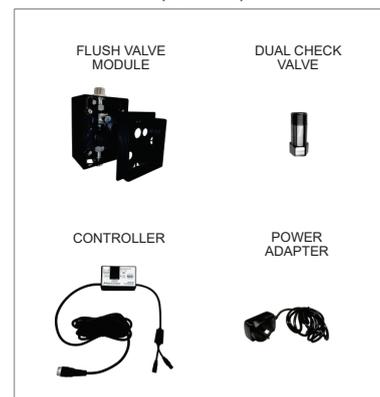
The Flush Valve Module box must be securely fixed to a stud/noggin and all connecting pipework must be self-supporting.

Installation detail will depend on the installation option required - In-wall, In-duct or In-ceiling. Refer to the attached diagram.

WARNING

- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction
- Children are not to play with the appliance.
- The appliance must only be supplied at SELV. The appliance is only to be powered by the adapter supplied with it

ROUGH-IN KIT
(JURS400)



FIT-OFF KIT
(JURV100.401)



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Fig. 1 GENERAL INSTALLATION ARRANGEMENT

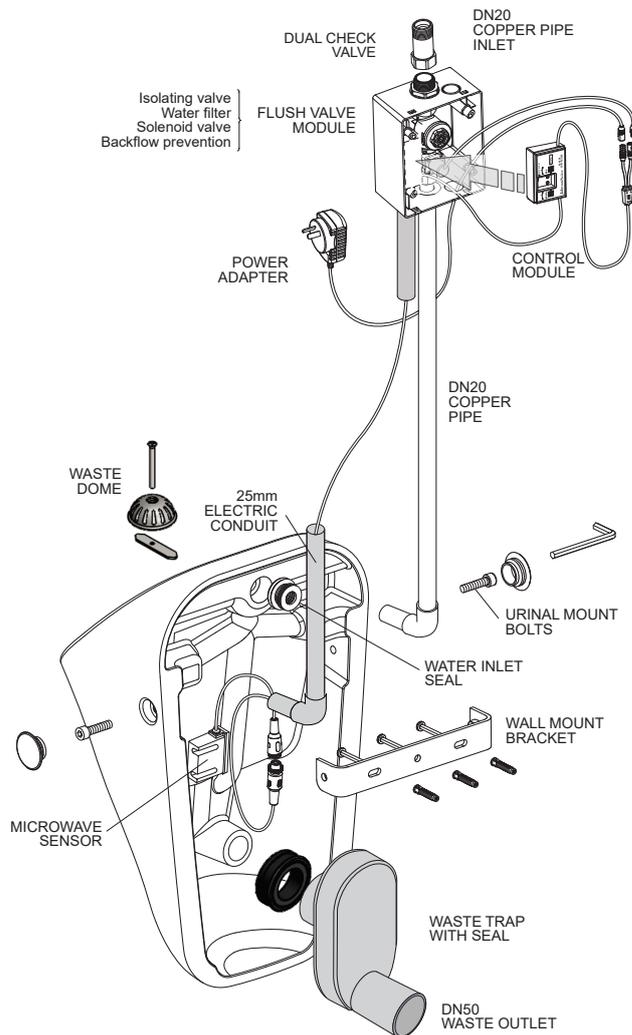
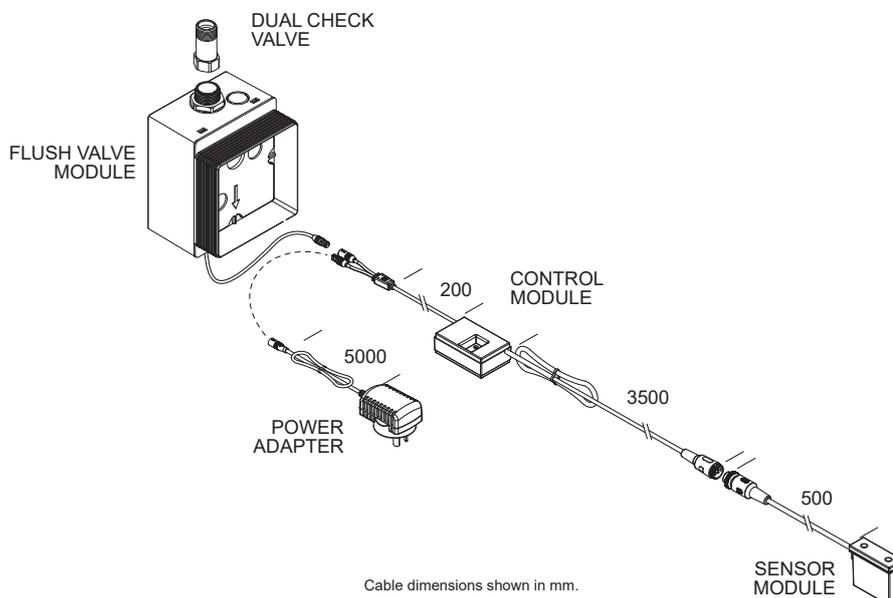


Fig.2 MICROWAVE SENSOR AND FLUSH VALVE COMPONENTS



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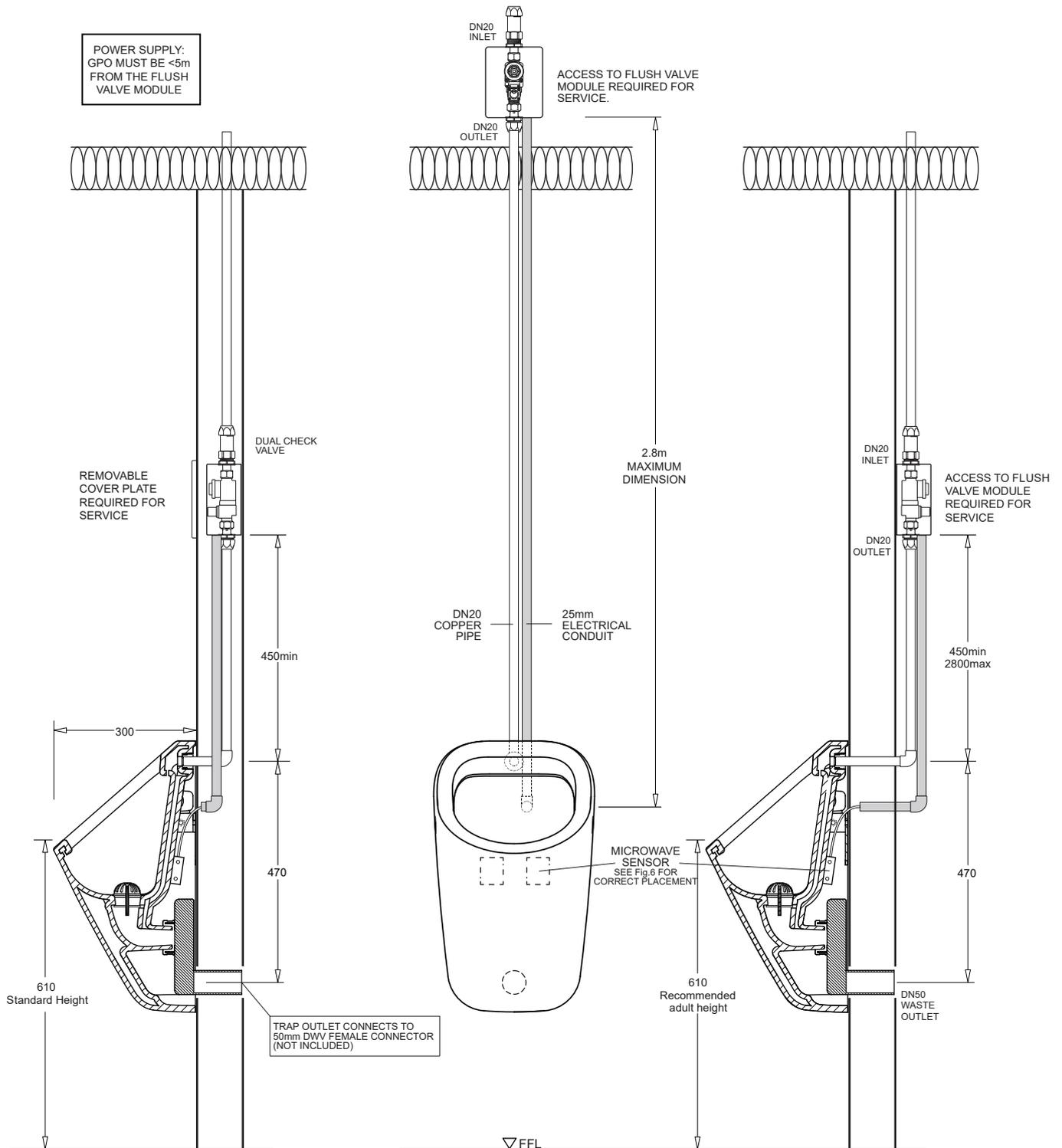


Fig. 3 INSTALLATION OPTIONS

**IN-WALL
 INSTALL
 OPTION**

**IN-CEILING
 INSTALL
 OPTION**

**IN-DUCT
 INSTALL
 OPTION**



INSTALLATION INSTRUCTIONS

VENEZIA URINAL WITH SENTINEL

ELECTRONIC URINAL FLUSHING SYSTEM



INSTALLATION STEPS

- At the first stage of installation the Flush Valve Module (from the Rough-in kit) and associated pipework can be installed.
Fig. 3 shows the key dimensions required for correct installation.
The Flush Valve Module box must be securely fixed to a stud/noggin and all connecting pipework and electrical conduit must be vertical and self-supporting. Control box cables can be threaded through the electrical conduit.
- For stud walls noggin reinforcing is required for the urinal mounting as shown in Fig.4.
Use the template to position the flush pipe, waste trap and bracket locations
 - The DN20 water inlet flush pipe must protrude 20mm from the finished wall surface (Fig.5)
 - The waste trap connects to 50mm DWVF PVC pipework. Secure the trap to the wall using the screw fixing.
 - Fix the bracket plate to the wall using the plugs and screws provided.

Fig. 4 WALL MOUNTING LAYOUT

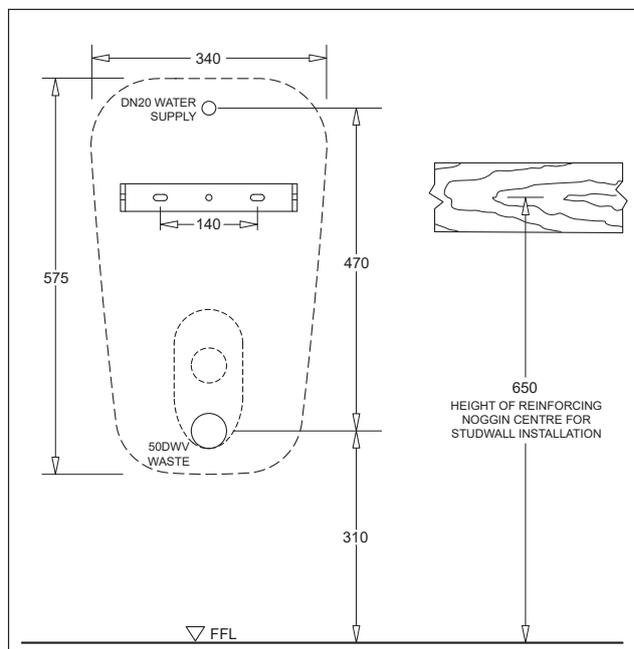


Fig. 5 FLUSH PIPE DETAIL

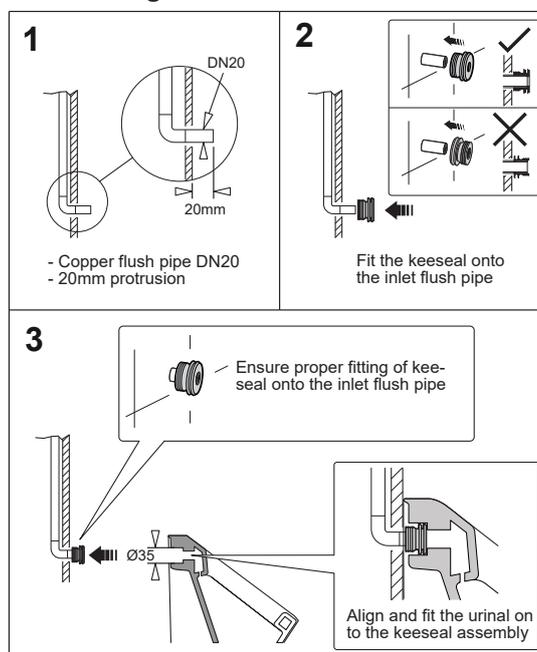
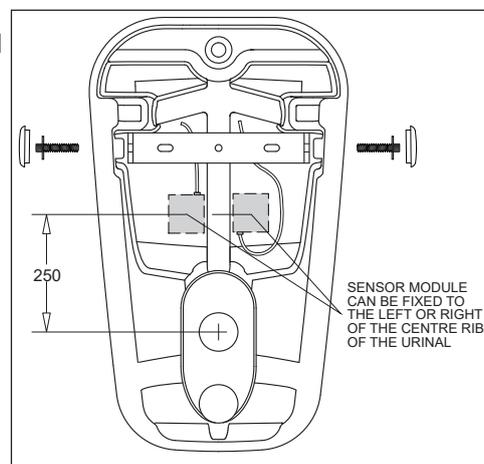


Fig. 6 SENSOR POSITION

- Affix the microwave sensor module to the back of the urinal, located as shown in Fig.6.
Note: Clean the rectangular fixing area and attach the sensor with the self-adhesive pad.
- Fit the keeseal to the protruding flush pipe then fit the urinal to the wall bracket ensuring the water inlet and waste outlet seal correctly (lubricant may be used).
Attach the side bracket bolts and the white plastic cover caps.
Silicone sealant may be applied to dress and seal any gap at the contact between the urinal and wall.
- Connect the power adapter and test-flush the system

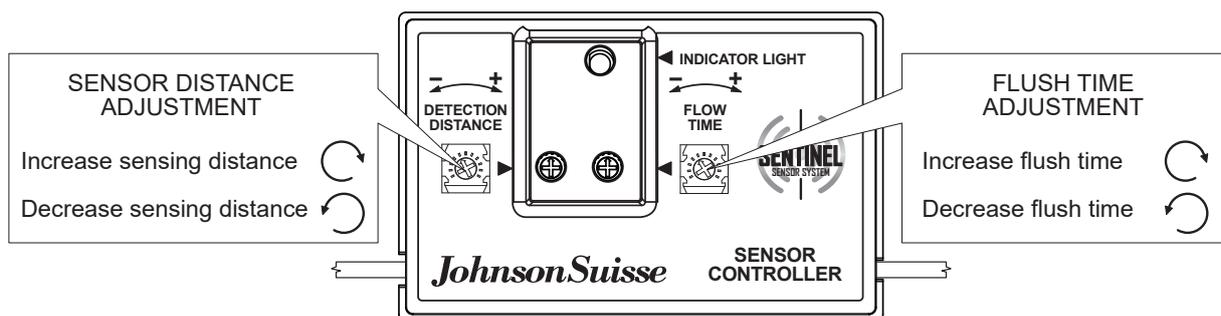




TROUBLE SHOOTING GUIDE

Problem	Possible cause	Solution
Not flushing	Power outage	Wait for reconnection
	Power failure	Check power supply box
	Water supply cut off	Wait for reconnection
	Blocked filter	Clean filter (pg.6)
	Low water pressure	Increase water pressure
	Incorrect sensor distance	Adjust sensor distance (pg.5)
Continuous flushing	Damaged (wet) circuit board	Replace (contact JohnsonSuisse)
	Power outage	Wait for reconnection
	Power failure	Check power supply box
Low flush volume	Low flush volume	Adjust flush time (pg.5)
	Blocked filter	Clean filter (pg.6)
	Low water pressure	Increase water pressure
	Debris in diaphragm	Clean out diaphragm
High flush volume	High flush volume	Adjust flush time (pg.5)
	High water pressure	Reduce water pressure

SENTINEL CONTROL MODULE ADJUSTMENT



NOTE: The controller is factory set - adjust only if required.

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MAINTENANCE

FILTER CLEANING

A blocked filter may occur typically in the following circumstances:

- After the first month of initial pipeline installation
- In areas where dirty, unfiltered water is in use
- After extended periods of use and if a decrease in flush volume is noticed

Cleaning steps

1. Turn off the power supply
2. Turn off the water supply - insert allen key into isolating valve body and turn clockwise to close valve (Fig.1)
3. Remove the valve cover with an adjustable spanner (Fig. 2)
4. Remove the filter and clean under running water (Fig. 3)
5. Reassemble in reverse order

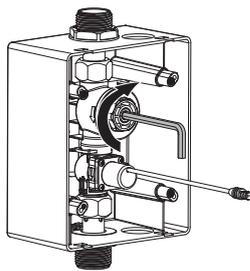


Figure 1

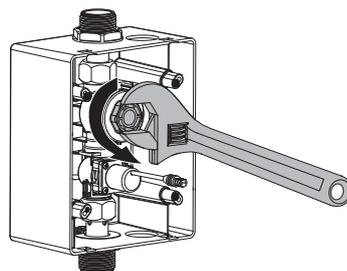


Figure 2

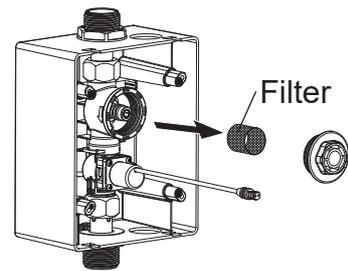


Figure 3

POWER SUPPLY

Power supply and wiring should be checked annually for signs of wear or misuse.