SMVA20 (42028)

SPECIFICATIONS

- This product has a unique design concept that eliminates the institutional look and provides anti-ligature features and vandal resistant compliance
- Easy operation allows the shower blended temperature to be adjusted with your palm or fingers
- 170mm round face plate with polished stainless steel finish for a homely look, but is able to withstand heavy knocks
- Bevelled edges for maximum tight fixing
- This item is designed for easy panel installation (Maximum thickness 18mm)
- Access to the rear of the unit is required to fit this product.
- Water supplies shall be at reasonably balanced pressures from a common source (e.g. hot and cold supplies both from the same storage or both from a supply pipe). Where the fitting is supplied from unbalanced supplies (e.g. hot and cold supplies from separate sources) an 'Approved' single check valve or some other no less effective backflow prevention device shall be fitted immediately upstream of both hot and cold water inlets.

TECHNICAL DATA

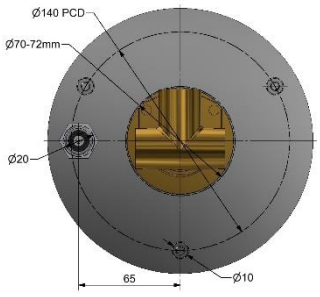
Inlet connections (BSP Female)		1/2"
Working Pressure Range (kPa)	Min	50
	Max	500
Maximum Hot Water Inlet Temperature via TMV3 * (°C)		41

NOTE:
As the Galvin Specialised Design and Development team continually strive to improve our products, specifications may change without notice.
**A TMV3 valve should be installed as part of the system to ensure a safe shower water temperature.*

PRE-INSTALLATION

MOUNTING DETAILS – HOLE CENTRES

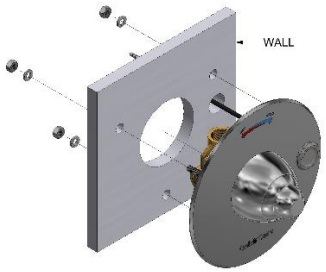
- Cut ∅70mm-∅72mm hole in mounting panel then drill 3 holes ∅10mm as shown in the rough in details
- Maximum panel thickness to be 18mm



Tools required: *Power drill, spanner or adjustable cresent*

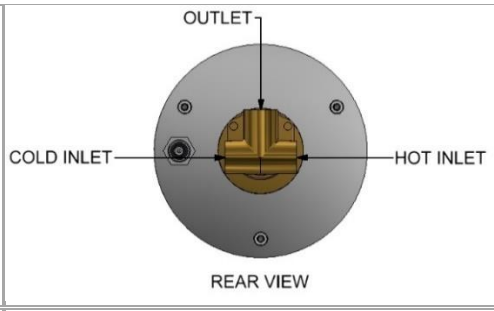
INSTALLATION

IMPORTANT: Galvin Specialised products must be installed in accordance with these installation instructions and in accordance with the national and local regulatory water requirements. Water and/or electrical supply conditions must also comply to the applicable National standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product.



1. Fit face plate assembly

- Fit the face plate assembly into the panel, taking care not to damage the piezo button cable.
- Secure the face plate with supplied M6 nuts and spring washers.



2. Connect water supply

- Connect water supply to correct inlet as shown, use a suitable thread sealing compound making sure there are no obstructions or blockages to the pipework.

  Note: Water supply should be flushed before fitting. The use of in-line strainers is highly recommended.

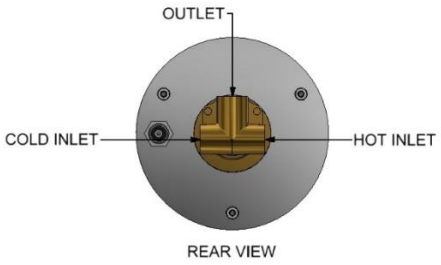
3. Testing

- Once fitted test the body unit for leaks and correct operation

TROUBLESHOOTING

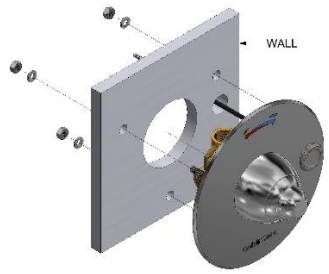
PROBLEM	CAUSE	RECTIFICATION
Face plate does not sit flush on panel surface	Mounting holes not drilled correct size or PCD is incorrect or the panel is not flat	Re-drill as per rough in details Replace or straighten panel
The desired mixed water temperature cannot be obtained	Hot and cold water supply are fitted to the wrong connections	Re-fit the valve with hot and cold water supply to the correct connections.
	Waterway contains debris preventing correct operation	Water supply issue – contact facility management
The valve will not shut off	Cartridge contains debris	Clean or replace cartridge.

SERVICE AND MAINTENANCE



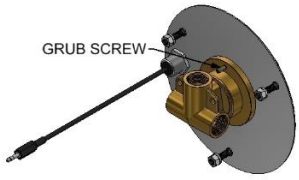
1. Disconnect water line

- Turn of the water supply and turn on the tap handle to release any pressure in the lines
- Disconnect cold,hot & outlet water connections



2. Remove face plate assembly

- Unscrew face plate M6 screws from studs at rear panel
- Pull out face plate body assembly from the panel



3. Remove grub screw

- Unscrew grub screw from the body assembly

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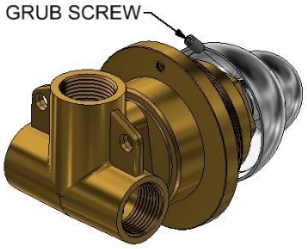
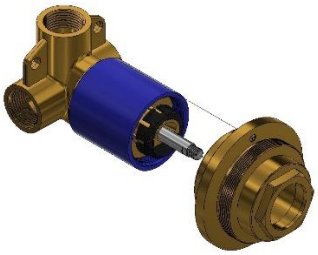
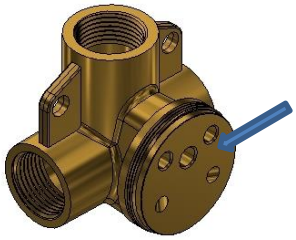
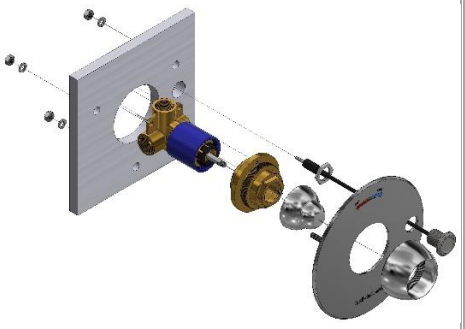
		
4. Remove faceplate • Unscrew dome flange • Slide off faceplate	**5. Remove handle** • Losen grub screw • Unscrew handle	**6. Remove face plate nut and check cartridge** • Unscrew face plate nut and remove cartridge. • Check the cartridge for wear and damage. Replace if required with cartridge replacement kit available through your supplier (use of incorrect cartridge could stop shower from working)
		
7. Check & Clean the body • Check and clean the body of all debris	**8. Re-assemble** • Re-assemble, by reversing steps 6 to 1 ensuring sealing compound is used when connecting water supply and outlet	**9. Re-test** • Once fully assembled turn on water supply • Check for leaks and correct operation.

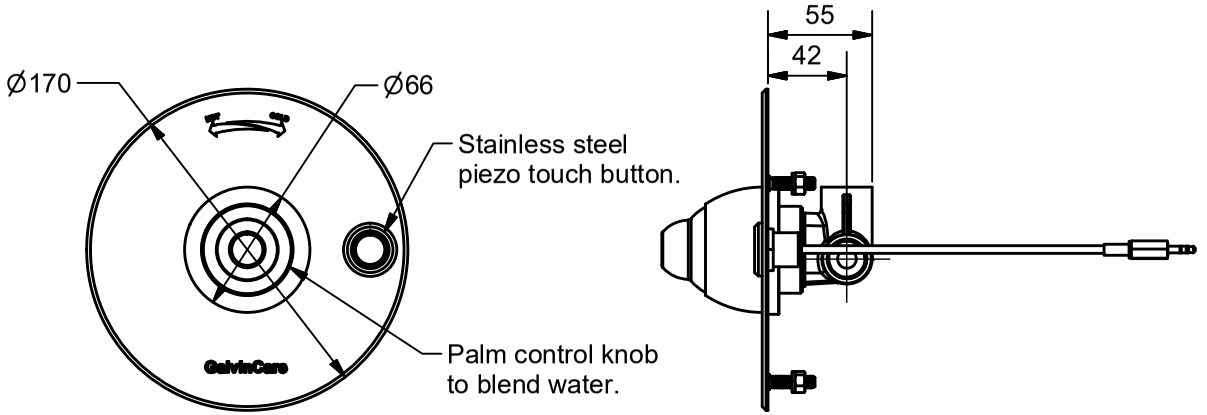
WARRANTY

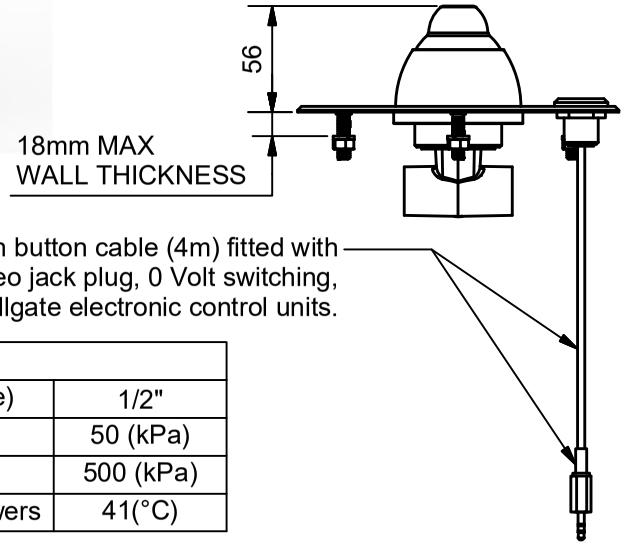
The warranty set forth herein is given expressly and is the only warranty given by the Galvin Engineering Pty Ltd. With respect to the product, Galvin Engineering Pty Ltd makes no other warranties, express or implied. Galvin Engineering Pty. Ltd. hereby specifically disclaims all other warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

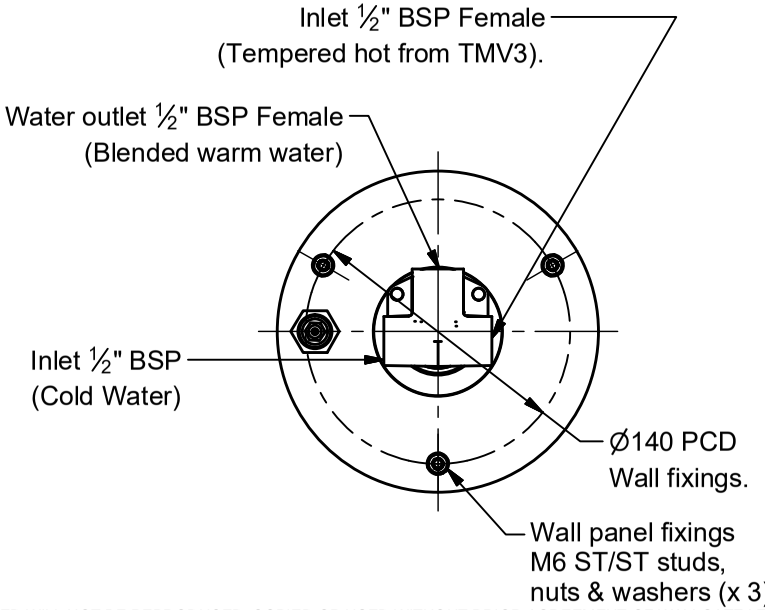
Galvin Engineering Pty Ltd products are covered under our manufacturer's warranty available for download from www.galvinengineering.com.au Galvin Engineering Pty Ltd expressly warrants that the product is free from operational defects in workmanship and materials for the warranty period as shown on the schedule in the manufacturer's warranty. During the warranty period, Galvin Engineering will replace or repair any defective products manufactured by Galvin Engineering without charge, so long as the terms of the Manufacturer's warranty are complied with.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and Galvin Engineering Pty Ltd shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labour charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, electrical or any other circumstances over which Galvin Engineering has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

REVISION HISTORY				
REV	DATE	DESCRIPTION	BY	CHKD
2	02/11/2016	CONTROL SIZE & GRAPHICS UPDATED	PH	DB







TECHNICAL DATA	
Inlet & Outlet water connections (BSP Female)	1/2"
Minimum Working Pressure	50 (kPa)
Maximum Working Pressure	500 (kPa)
Recommended water inlet temperature for showers	41(°C)

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TITLE: PALM CONTROL SHOWER BLENDING VALVE

Drg No: SMVA20

Model/Client/Project:

MATERIAL:

FINISH:

Limits: (unless stated)
± 0.25mm (sheetmetal)
± 0.10mm (machined)
± 2.00mm (pattern)
± 5.00mm (moulded)

All dimensions in mm,
All angles 90˚(unless stated)

Scale:

A4 3rd

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REVISION HISTORY				
REV	DATE	DESCRIPTION	BY	CHKD
2	07/11/2016	CONTROL VALVE UPDATED	PH	DB

ASSEMBLY DETAILS:

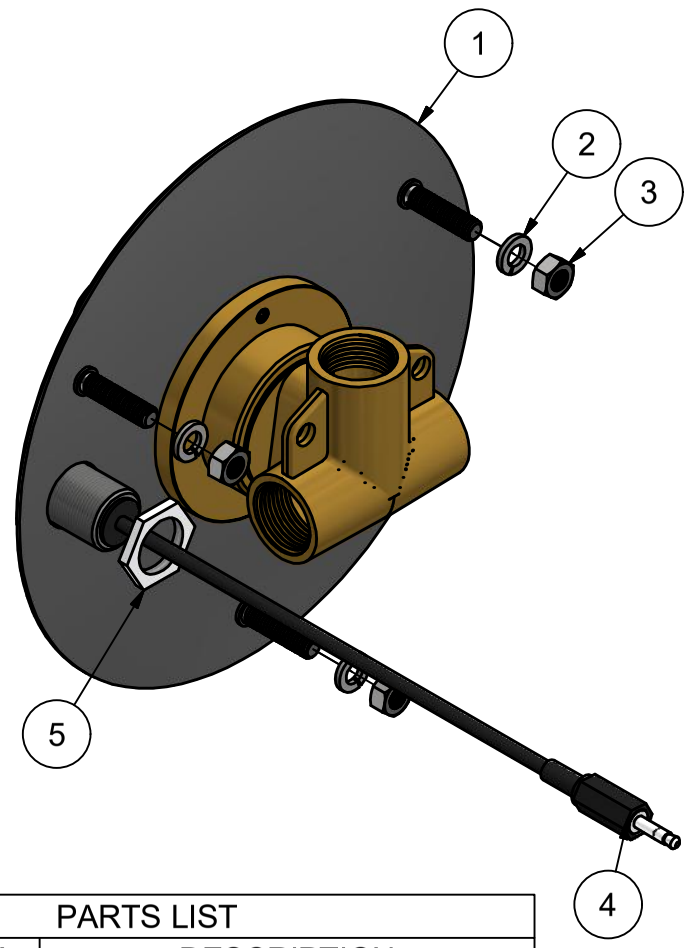
1. TAKE CARE NOT TO SCRATCH THE POLISHED SURFACE DURING ASSEMBLY.

2. PREPARE THE WALL HOLES TO THE DIMENSIONS SHOWN.

3. MOUNT THE BLENDING VALVE ASSEMBLY ONTO THE WALL TAKING CARE TO AVOID DAMAGE TO THE PIEZO BUTTON CABLE.

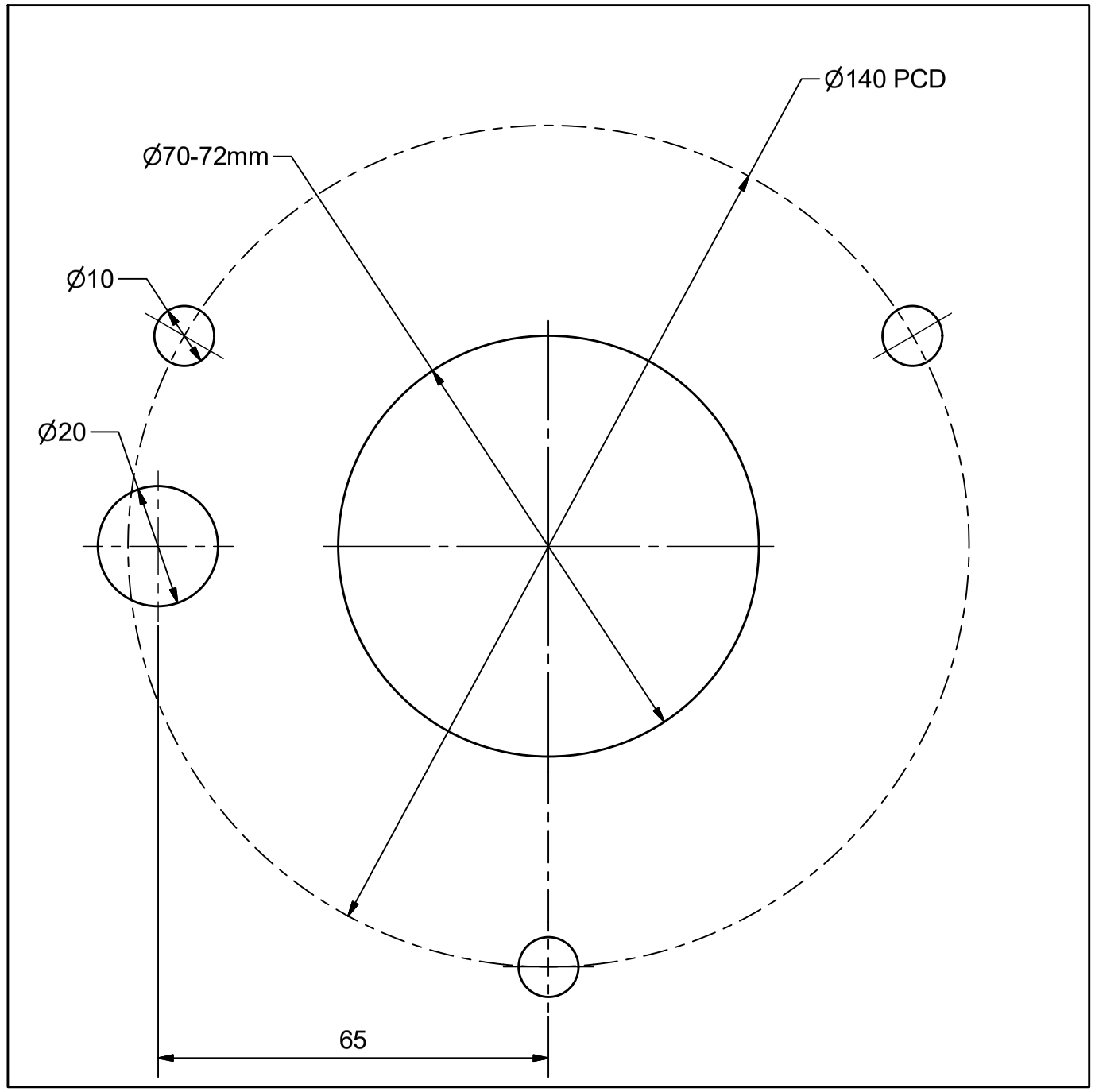
4. FIT THE NUTS AND WASHERS (ITEMS 2, 3 AND 5) AND TIGHTEN TO 15Nm

SEE SHEET 2 FOR ADDITIONAL INSTALLATION INFORMATION



PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	BLENDING VALVE ASSEMBLY
2	1	WALL FIXING WASHER
3	1	WALL FIXING NUT
4	1	PIEZO BUTTON
5	1	PIEZO RETAINING NUT

RECOMMENDED
HOLE DETAILS
(SCALE 1:1)



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TITLE: BLENDING VALVE ASSEMBLY DETAILS

Drg No: SMVA20-INS-KIT

Model/Client/Project: SHEET 1 OF 2

MATERIAL:

FINISH:

Limits: (unless stated)
± 0.25mm (sheetmetal)
± 0.10mm (machined)
± 2.00mm (pattern)
± 5.00mm (moulded)

All dimensions in mm,
All angles 90˚(unless stated)

Scale: A3 3rd

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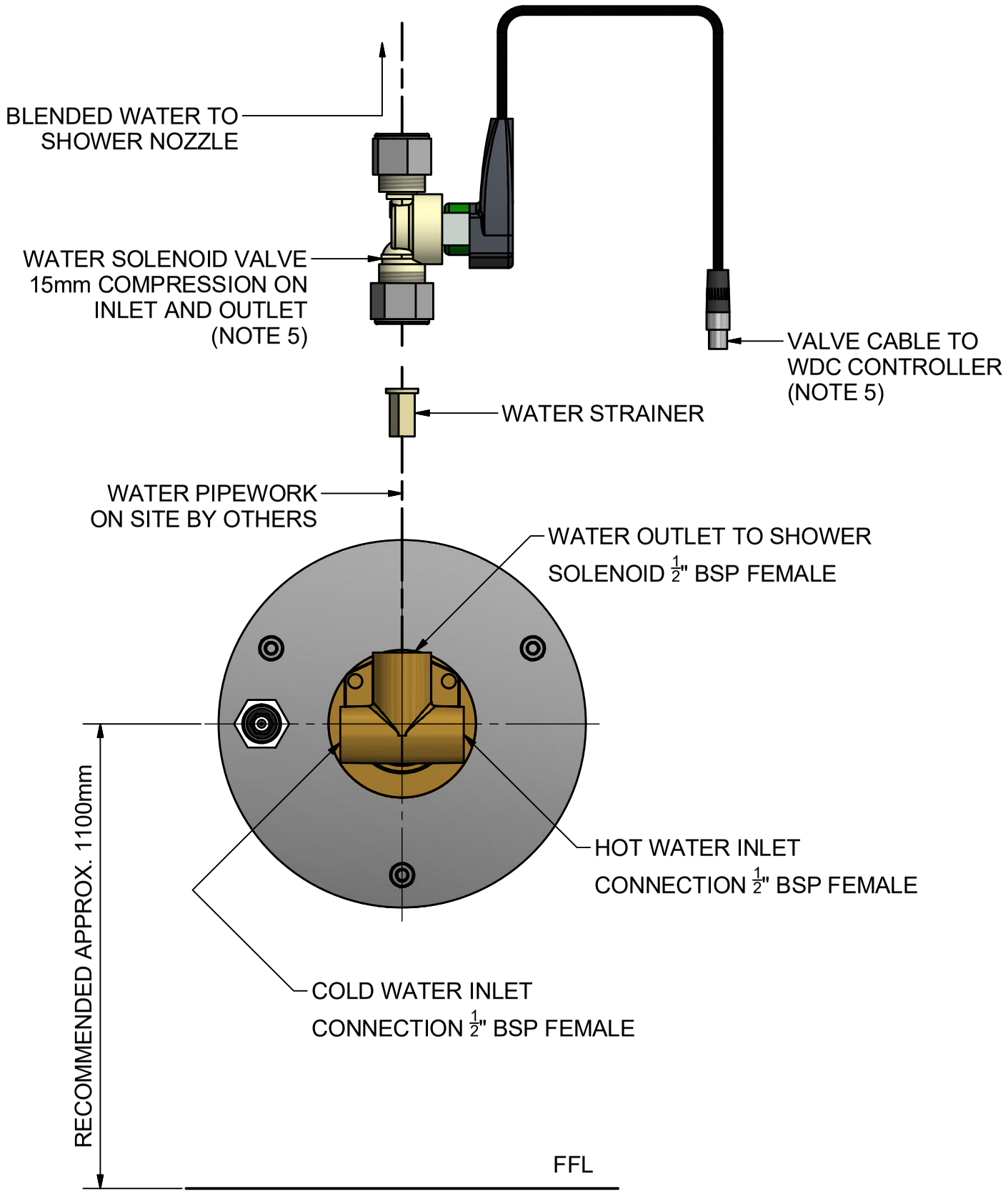
REVISION HISTORY				
REV	DATE	DESCRIPTION	BY	CHKD
2	07/11/2016	CONTROL VALVE UPDATED	PH	DB



INSTALLATION DETAILS:

1. ASSEMBLE AND MOUNT THE BLENDING VALVE TO THE WALL AS DETAILED ON SHEET (NOTE: THE HEIGHT ABOVE FFL IS A SUGGESTED HEIGHT ONLY, THE ASSEMBLY CAN BE MOUNTED AT A HEIGHT TO SUIT THE APPLICATION.)

2. CONNECT THE WATER SUPPLY FEEDS TO THE BLENDING VALVE ENSURING HOT AND COLD ARE CONNECTED TO THE INLETS SHOWN. (HOT AND COLD ARE MARKED H AND C ON THE BRASS BODY OF THE VALVE)
NOTE: THE WATER SUPPLY MUST BE FLUSHED TO REMOVE ANY DEBRIS PRIOR TO CONNECTION TO THE VALVE.

3. CONNECT THE PIPEWORK FROM THE BLENDING VALVE TO THE INLET OF THE SOLENOID VALVE ENSURING THAT THE WATER STRAINER SUPPLIED WITH THE VALVE IS LOCATED INTO THE END OF THE SUPPLY PIPE (15mm COPPER TUBE) BEFORE ASSEMBLING INTO THE VALVE.

4. THE OUTLET OF THE SOLENOID VALVE CAN NOW BE PIPED TO THE SHOWER NOZZLE.

5. THE SOLENOID VALVE AND CABLE ARE SOLD SEPARATELY.

TECHNICAL SPECIFICATION FOR WATER SUPPLY:

1. OPERATING TEMPERATURE RANGE 0 TO 80°C **(SEE TEMPERATURE NOTE BELOW)**
2. MIN / MAX OPERATING PRESSURE RANGE 150 TO 500Kpa (1.5 TO 5 bar)
3. HOT AND COLD INLET PRESSURES SHOULD BE BALANCED
4. MAXIMUM STATIC PRESSURE 1000kPA (10 bar)

NOTE: A MEANS OF CONTROLLING THE MAXIMUM WATER TEMPERATURE, SUCH AS A TMV VALVE, MUST BE FITTED TO THE HOT WATER FEED PRIOR TO THE BLENDING VALVE. THE BLENDING VALVE IS NOT THERMOSTATICALLY CONTROLLED.

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TITLE: BLENDING VALVE ASSEMBLY DETAILS
Drg No: SMVA20-INS-KIT
Model/Client/Project: SHEET 2 OF 2

MATERIAL:
FINISH:

Limits: (unless stated)
± 0.25mm (sheetmetal)
± 0.10mm (machined)
± 2.00mm (pattern)
± 5.00mm (moulded)

All dimensions in mm,
All angles 90° (unless stated)
Scale:
A3 3rd

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