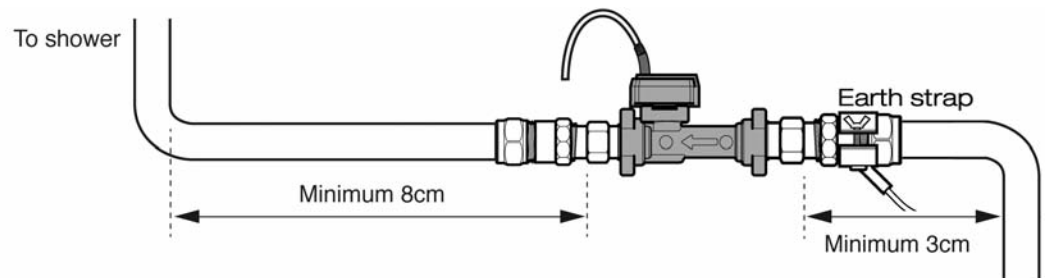


SDS223T Venturi Flow Sensor Spare Kit

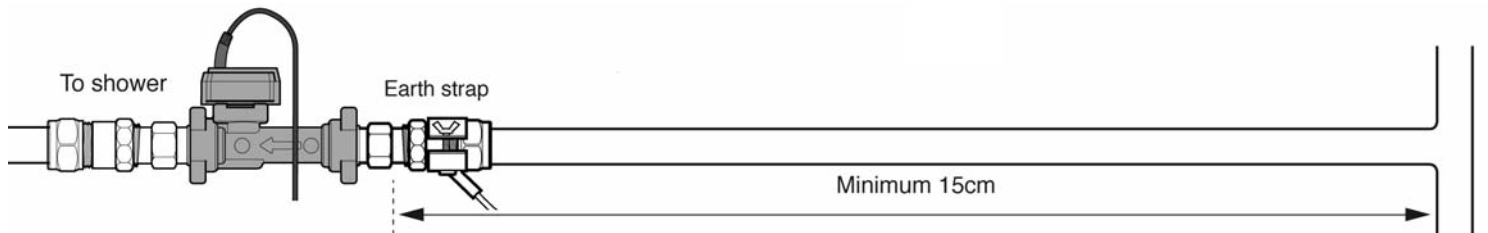
Plumbing of Venturi Sensor

It is **extremely important** to **avoid cavitation at the sensor**. Therefore ensure recommended piping distances before and after the sensor placement are observed.

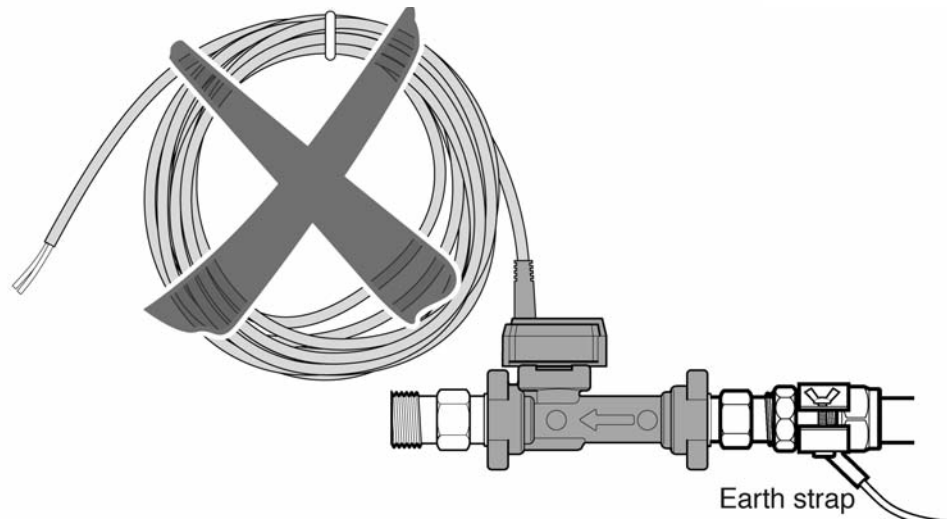
Mechanical guideline for flow sensor installation - distance to bends.



Mechanical guideline for flow sensor installation - distance to T connector.

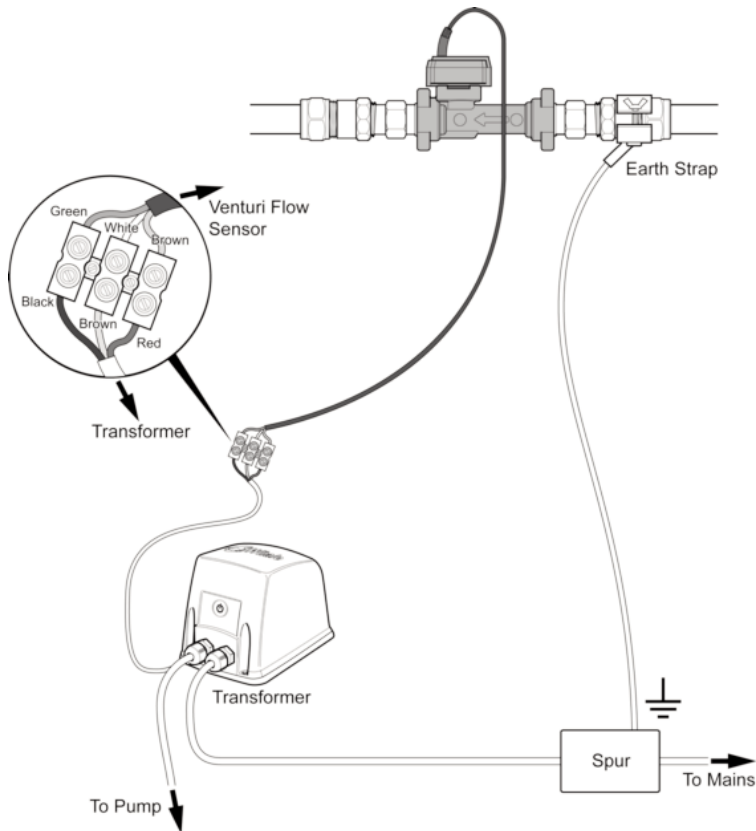


Sensor Wiring Guidelines

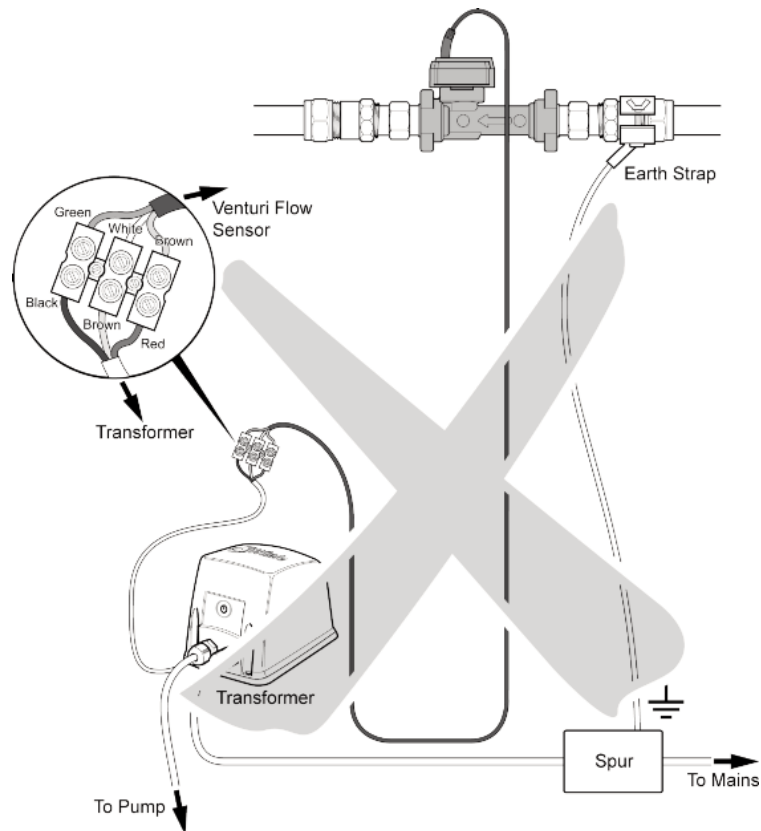


Never coil sensor wire as this may cause interference to the electrical signal. Always use a straight run.

Wiring Connections to Whale Instant Match Transformer



Correct Wiring



Incorrect Wiring

- Always use an earth strap.

- Avoid cross coupling between mains cable and low voltage sensor cables.
Do not run the sensor cable over the pump.

Transformer Settings for Whale Instant Match Transformer

Triton Digilink / Gems Flow Sensor Setting

Venturi Flow Sensor Setting

Mira Advance Extra WIRED Setting

Mira Advance Extra WIRELESS Setting

5X20 FUSE

+

| Off Delay (Seconds) | Gems Sensor | Venturi Sensor | Mira Advance Extra Wired | Mira Advance Extra Wireless |
|---------------------|-------------|----------------|--------------------------|-----------------------------|
| ● 10 ● | ○ | ○ | ○ | ● |
| ○ 30 ○ | ○ | ○ | ○ | ○ |
| ○ ○ | ○ | ○ | ○ | ○ |
| ○ ○ | ○ | ○ | ○ | ○ |

Whale INSTANT MATCH

Input: 230Vac ~ 50Hz 800mA
Fuse T5A
Duty Cycle: 30min/60min
This transformer is only for use with:
SDP021T Shower Drainage Pump

Type: 755.549
IP 45 30°C Max

Class II Indoor use only

Jumper Layout - See Instructions
Post installation - To perform any change to jumper settings, the power supply must be switched off for 30 seconds prior to the change being made.

Refer to instructions for installation

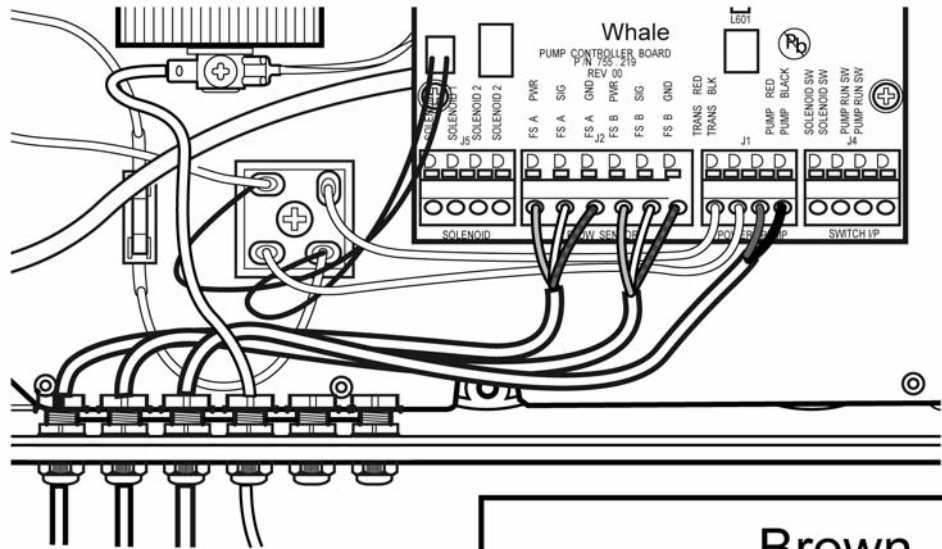
- 3 core wire - Connect to Mira Advance Extra / Sensor
- 2 core Black / Red wire - Connect to pump
- 3 core Brown / Blue / Yellow-Green - Connect to 5A fused spur

Recommended Off Delay is 10 seconds

● 10 ●

○ 30 ○

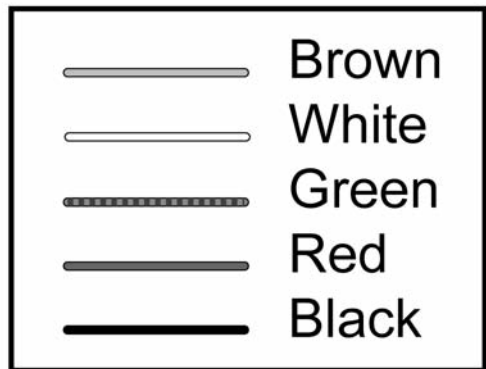
Specific installations may require the pump to operate for longer if the gully area is not clear of water after the recommended 10 second Off Delay has passed. Do not use the unlabelled positions.



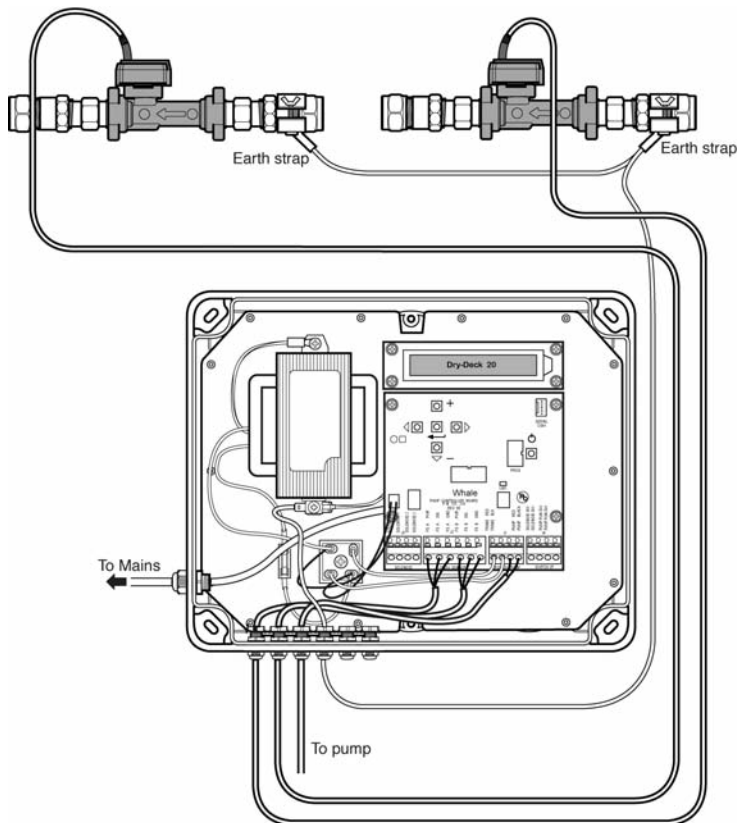
Colour Coding for Connecting Wires to PCB (above)

Brown wire to Power (PWR)
 White to Signal (SIG)
 Green to Ground (GND)

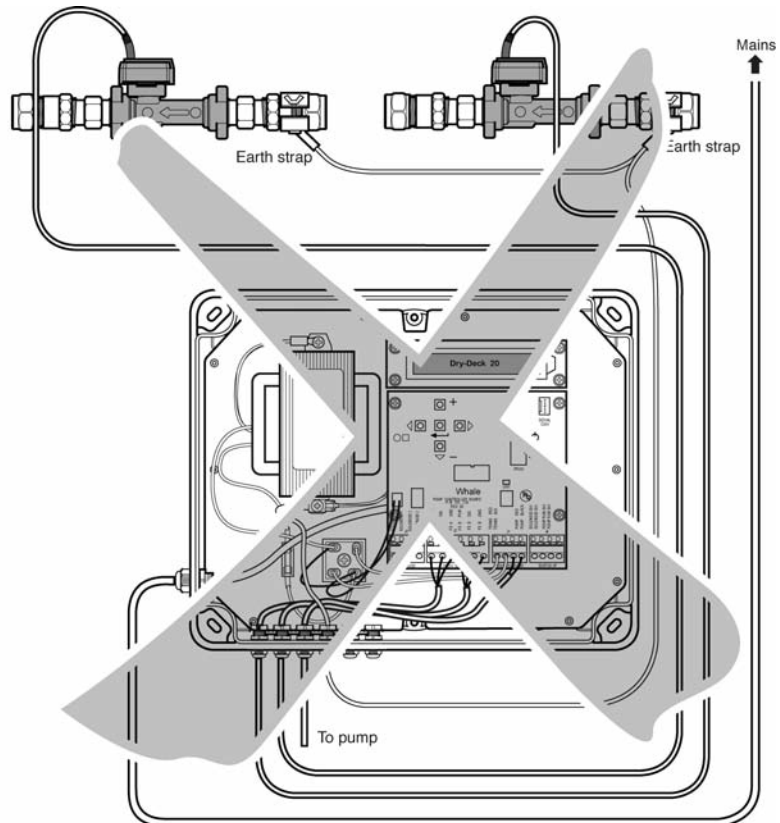
FS A
 FS B
 PUMP



N.B Yellow cable is not required



Correct Wiring



Incorrect Wiring

- Always use an earth strap.

- Avoid cross coupling between mains cable and low voltage sensor cables.
- Do not run the sensor cable over the pump.



Whale[®]

Contact us

Whale, 2 Enterprise Road, Bangor
Co. Down, BT19 7TA, N.Ireland

whalepumps.com / info@whalepumps.com

**Contact the Technical
Helpline if you need further
assistance**

0845 0694 253