WARNINGS and INFORMATION

- **WARNING!** Incorrect installation can damage the sensor or cause it to work incorrectly.
- **WARNING**! Compressed air is dangerous. Please use caution around compressed air

- Refer to Use Manual for product specifications and full installation instructions: www.compressedairalliance.com/products
- Contact Compressed Air Alliance if you are unsure about installing, wiring or setting up the sensors
    - E-mail: sales@compressedairalliance.com
    - Phone (Australia): 1300 558 526

1 Find location for dew point sensor

1. Sensor **must** be installed **vertically in dry gas**
2. If the dew point sensor needs to be installed outdoors, protect it from sun and rain
3. Do **not** use in explosive areas

Sensor in wet gas ❌
Sensor horizontal ❌
✅ Sensor vertical, in dry gas ✅

Compressor | Filter | Dryer | Filter
Wet Side | Dry Side

❌ Sensor upside down
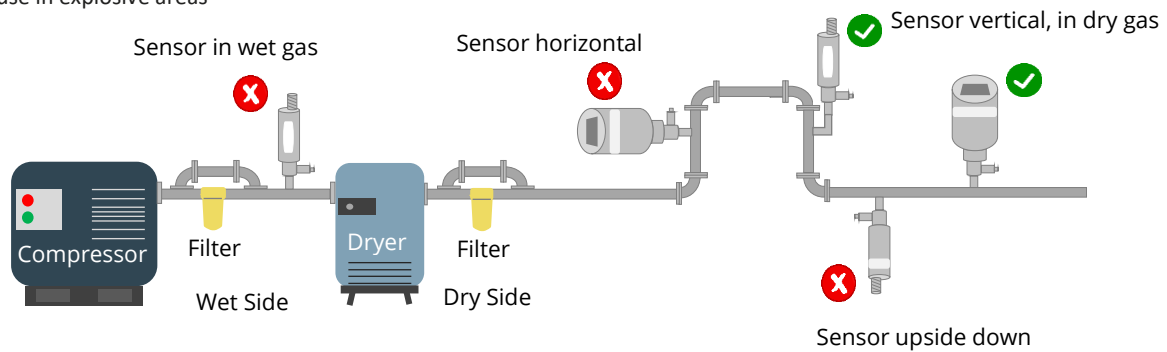
2 Install sensor

To install the sensor, a ball valve, nozzle or a nipple is needed
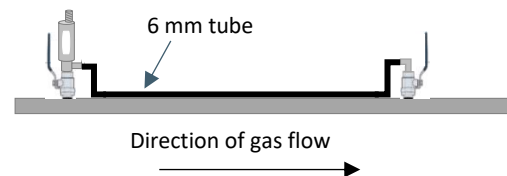- The thread must be G1/2"

Dew Point Sensor

Measurement Chamber

Ball Valve (optional)
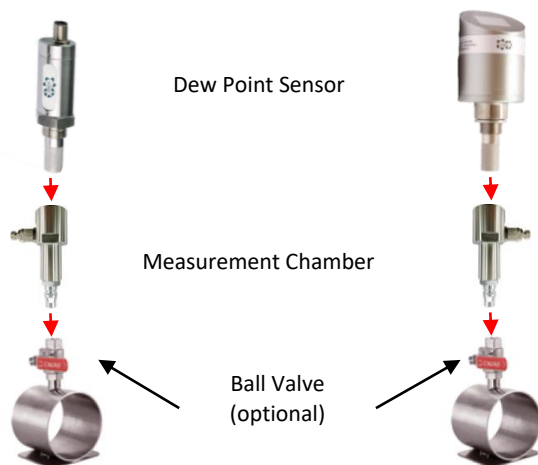
3 Set Gas Bleed

Bleed gas to air, or create a zero loss chamber

Option 1 - Bleed to air

Open Bleed Screw slightly to allow a small amount of gas to escape
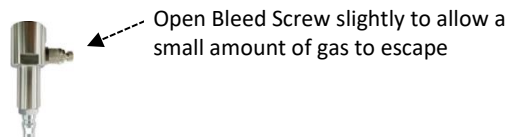
Option 2 - Zero Loss Chamber

6 mm tube

Direction of gas flow

PTO for Wiring Instructions

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4   Electrical Connection

Standard Dew Point Sensor
- The standard Dew Point Sensor has one 5 pin, M12 connector on the top of the sensor.

Standard Dew Point Sensor			
Pin	Port A	Cable Colour	M12 Connector
Pin 1	RS845, Data + (A)	Brown	
Pin 2	RS845, Data - (B)	White	
Pin 3	4-20mA Output	Blue	
Pin 4	+12-30 vDC	Black	
Pin 5	0 vDC (Ground for Modbus)	Grey	

Dew Point Sensor with Display
- The Dew Point Sensor with Display has two 5 pin, M12 connector on the back of the sensor.

Dew Point Sensor with Display				
Pin	Port A (Modbus & Power)	Cable Colour	Port B (4-20mA & Alarm)	M12 Connector
Pin 1	RS845, Data + (A)	Brown	4-20mA+	
Pin 2	RS845, Data - (B)	White	4-20mA-	
Pin 3	NA	Blue	Relay A	
Pin 4	+16 to 30 vDC	Black	Relay B	
Pin 5	0 vDC (Ground for Modbus)	Grey	NA	

PTO for Mechanical Instructions