

Air Quality Limited - Safe-Air Tester Results

Test Date:			Test Rig No.	
			Certificate No.	
Test Category:	☐ Airline <40 Bar	☐ <200 Bar Cylinders	☐ >200 Bar Cylinders	☐ HP Charging Compressor
Name and Address:				
Test Location (if applicable):				

Test	Reading	Result	BS EN12021 Requirements / Notes
① Ambient Temperature	°C		
② Test Point Volume*	L/min		Suitable for RPD
③a Test Pressure*	BAR		Suitable for RPD
③b Cylinder Pressure	BAR		Cylinder contents gauge
④ Odour			
⑤ Oxygen (O ₂)	%	Pass / Fail	20-22% by volume
⑥ Carbon Monoxide (CO)	ppm	Pass / Fail	5 ppm (5 ml/m ³) max
⑦ Carbon Dioxide (CO ₂)	ppm		500 ppm (500 ml/m ³) max
⑧ Oil Mist			Less than 0.5 mg/m ³ max
⑨ Water Vapour (H ₂ O)**	mg/m ³		HP Cylinders HP Cylinders <200 Bar 50mg/m ³ max HP Cylinders >200 Bar 35mg/m ³ max HP Charging Compressor 25mg/m ³ max
9a Pressure Dewpoint (refer to graph overleaf)	°C		Airline <40 Bar Pressure dewpoint to be 5°C below likely lowest ambient temperature. Where temperature is not known then pressure dewpoint should not exceed -11°C.

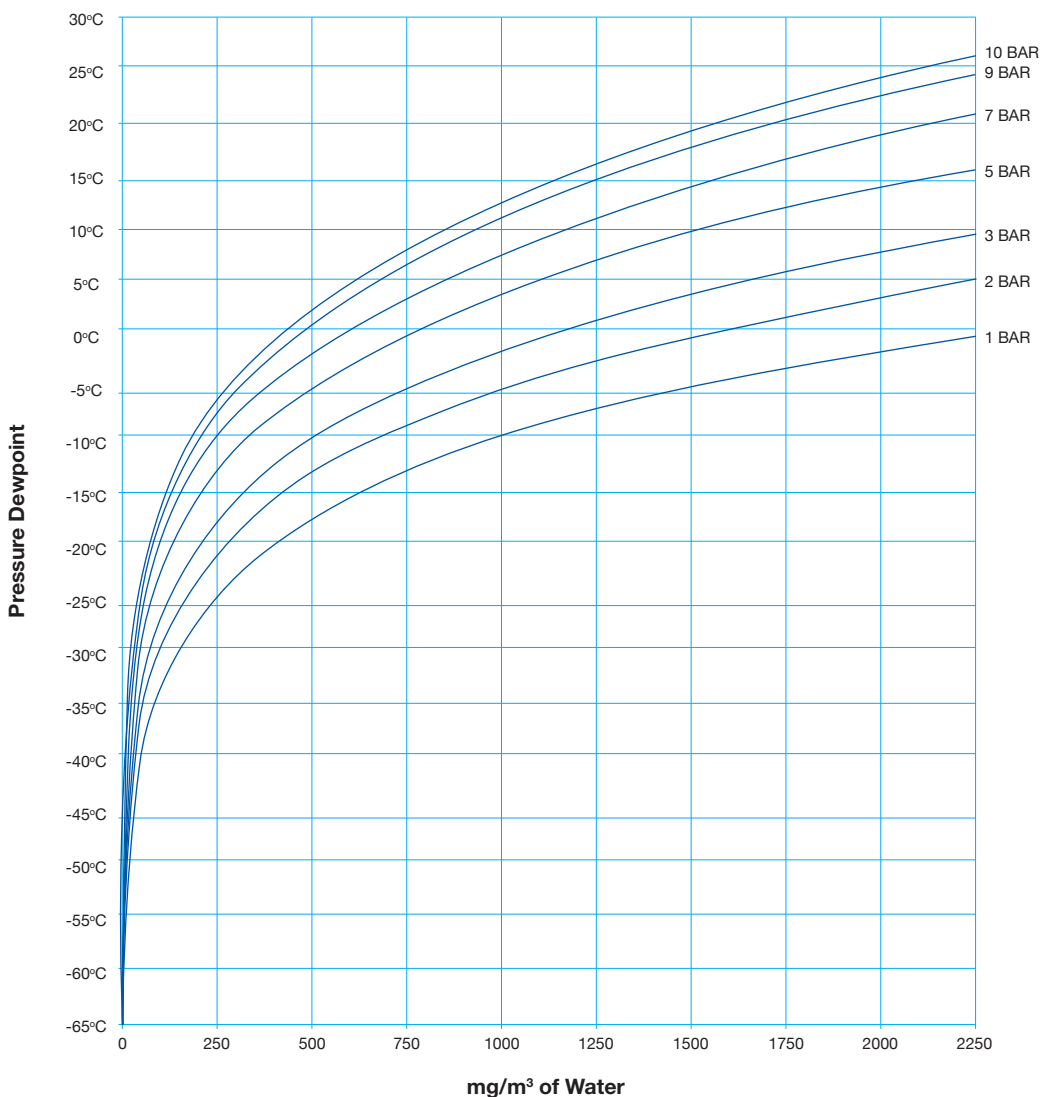
* Airline only – if NA entered then certificate covers air quality only.

** For tests conducted on the high range 50-2000mg/m³ instrument setting enter the tube result multiplied by 10.

OVERALL RESULT	Pass ☐ Fail ☐	NEXT TEST DUE	
----------------	---	---------------	--

Signed:	Air Quality Limited 1 The Courtyard, Dunnings Lane, Rochester, Kent. ME1 1YB Tel: 01634 832895 Mobile: 07887 696634 e-mail: info@airq.co.uk
Name:	

Pressure Dewpoint Graph Airline Systems



To establish pressure dewpoint take the point where tube reading in mg/m³ intersects system pressure and read off pressure dewpoint from vertical scale.

NOTE: Pressure dewpoint is the temperature at which free water is likely to occur at system pressure. Therefore the minimum operating temperature should be 5°C above the pressure dewpoint obtained.