

APEX CO₂ SCRUBBERS

Features and benefits

- ◇ flow rates of up to 99 litres/min
- ◇ Output CO₂ concentration of <1ppm
- ◇ Operating pressure range of 3.5 Bar (50psi) to 10 Bar (145psi)
- ◇ Output dew point of -73°C
- ◇ PSA technology
- ◇ Easy installation
- ◇ Simple maintenance



Description

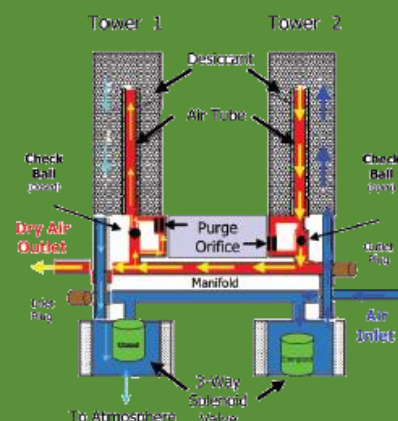
Utilising Pressure Swing Adsorption (PSA) technology our CO₂ scrubbers provide ideal performance, efficiency and reliability. Ultra dry air containing less than 1ppm of CO₂ is delivered as required. The design of the scrubber allows it to be easily wall or stand mounted. Our CO₂ scrubbers provide flexibility to match your system requirements. Each system can deliver a variety of flow rates and pressures to suit your specifications.

Technical specifications:

Model	PCDA12		PCDA20		
Output Air CO ₂ Concentration	< 1ppm				
Output Air Dewpoint	-73°C / -100°F				
Max pressure drop	0.2 Barg / 3 psig				
Max Air inlet temp.	50°C / 125°F				
Weight	5.5kg / 12lbs		9.1kg / 19lbs		
Depth (mm/inch)	130 / 5		130 / 5		
Height (mm/inch)	430 / 17		635 / 25		
Width (mm/inch)	203 / 8		203 / 8		
Operating pressure (Bar)	Maximum Inlet and output flows (L/min)				
	inlet	output	inlet	output	
	10.3 barg	59.47	43.89	135.92	99.11
	9.0 barg	50.97	33.98	116.10	79.29
	7.6 barg	43.89	28.32	93.45	62.30
	6.9 barg	42.48	22.65	96.28	56.63
	6.2 barg	39.64	19.82	84.95	50.97
	5.5 barg	35.40	18.41	70.79	39.64
	4.8 barg	28.32	14.16	56.63	28.32
	4.1 barg	22.65	9.91	n/a	n/a
	3.4 barg	16.99	5.66	n/a	n/a

How it works:

Air from an external source enters the generator via the inlet filters. Air then enter the first scrubber tower via a solenoid valve. After passing through the scrubber tower the now dry and CO₂ free air exits the system via an outlet filter and regulator. A portion of the outlet air is diverted into the second scrubber tower to purge it ready for use. At regular intervals the active tower switches allowing each tower to be purged in turn.



Warranty:

All Apex units are supplied with our standard 1 year warranty. Accompanied with our on-going care and servicing facilities Apex provides the highest quality peace of mind.

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