



Q(Y)CZ Technological Specification

No.	Item	CZ-10	CZ-30	CZ-80	CZ-150	CZ-250	CZ-420
1	Capacity	2~10m ³ /h	15~30m ³ /h	40~80m ³ /h	90~150m ³ /h	160~250m ³ /h	260~420m ³ /h
2	Work pressure	0.5~5.0MPa		0.5~2.0MPa			
3	Trace O ₂ (H ₂)	≤1PPm					
4	Dew point	≤-70℃					
5	Cooling water	1m ³ /h	1.5m ³ /h	2m ³ /h		4m ³ /h	6m ³ /h
6	Chilling water	0.5 m ³ /h		0.8 m ³ /h	1 m ³ /h	1.5 m ³ /h	
7	Power supply	2.0kw	5.0kw	8.5kw	13kw	18kw	35kw
8	Switchover time	24 h					

Conversion Table For DP vs.PPm vs. Absolute Humidity

Dew Point ℃	PPm	Absolute Humidity g/m ³	Dew Point ℃	PPm	Absolute Humidity g/m ³	Dew Point ℃	PPm	Absolute Humidity g/m ³
0	6033	4.517	-64	6.154	0.004608	-84	0.2764	0.0002070
-10	2566	1.921	-68	3.471	0.002599	-86	0.1955	0.0001464
-20	1019	0.7629	-70	2.584	0.001935	-88	0.1372	0.0001028
-30	475.3	0.2810	-72	1.914	0.001433	-90	0.09564	0.00007161
-40	126.8	0.09491	-74	1.409	0.001055	-92	0.06611	0.00004950
-44	80.03	0.05993	-76	1.031	0.0007717	-94	0.0452	0.00003394
-50	38.89	0.02912	-78	0.7492	0.0005610	-96	0.03082	0.00002308
-54	23.51	0.01761	-80	0.5410	0.0004051	-98	0.02077	0.00001555
-60	10.68	0.007998	-82	0.3881	0.0002906	-100	0.01387	0.00001039

Note: 1. When the Dew Point is converted to ppm, it can be calculated with the formula:

$$P/1030 \times 10^4$$

2. When the Dew point is converted to g/m³ (20℃, 101.3KPa under), it can be calculated with the formula: $P/101.3 \times 18.01/22.41 \times 273.1/293.1$

In the above formulas, P=saturated vapor pressure of ice at appearing dew temperature, Pa