

## Air Quality Standards ISO 8573-1

Air Quality Classes encompassing these pollutants have been established in an International Standard ISO 8573.1. These are shown in Tables 3.1A, 3.1B and 3.1C.

**Table 3.1A** Maximum Particle Size and Concentration of Solid Contaminants

Class	Maximum Particle Size*	Maximum Concentration**
	Microns	mg/m <sup>3</sup>
1	0.1	0.1
2	1	1
3	5	5
4	15	8
5	40	10

\* Particle size based on a filtration ratio  $\beta_{\mu} = 20$ .

\*\* At 1 bar (14.5 psia), 20°C (68°F) and a relative vapor pressure of 0.6 (60%).

**Table 3.1B** Maximum Pressure Dew Point

Class	Class Maximum Pressure Dew Point	
	°C	°F
1	-70	.94
2	-40	-40
3	-20	-4
4	+3	+37.4
5	+7	+44.6
6	+10	+50
7	Not Specified	

**Table 3.1C** Maximum Oil Content

Class	Maximum Concentration***
	mg/m <sup>3</sup> ****
1	0.01
2	0.1
3	1
4	5
5	25

\*\*\* At 1 bar (14.5 psia), 20°C (68°F) and a relative vapor pressure of 0.6 (60%).

\*\*\*\* 1 mg/m<sup>3</sup> is a weight of oil in a volume of air and is approximately equal to 0.83 ppm by weight.