

| Purity Class | Particles | | | | Water | | Oil |
|--------------|---|---------------|-------------|--------------------|---|-------------------------------|---|
| | Maximum per m ³ as a function of particle size | | | Mass Concentration | Pressure Dewpoint | Concentration of Liquid Water | Concentration of Total Oil |
| | 0.1 µm - 0.5 µm | 0.5 µm - 1 µm | 1 µm - 5 µm | mg/m ³ | °C | g/m ³ | mg/m ³ |
| 0 | As specified by the equipment user or supplier and <u>more stringent</u> than Class 1 | | | | As specified by the equipment user or supplier and <u>more stringent</u> than Class 1 | | As specified by the equipment user or supplier and <u>more stringent</u> than Class 1 |
| 1 | ≤ 20,000 | ≤ 400 | ≤ 10 | | ≤ -70 | | ≤ 0.01 |
| 2 | ≤ 400,000 | ≤ 6,000 | ≤ 100 | | ≤ -40 | | ≤ 0.1 |
| 3 | Not specified | ≤ 90,000 | ≤ 1,000 | | ≤ -20 | | ≤ 1 |
| 4 | Not specified | Not specified | ≤ 10,000 | | ≤ +3 | | ≤ 5 |
| 5 | Not specified | Not specified | ≤ 100,000 | | ≤ +7 | | |
| 6 | | | | 0 - ≤ 5 | ≤ +10 | | |
| 7 | | | | 5 - ≤ 10 | | ≤ 0.5 | |
| 8 | | | | | | 0.5 - ≤ 5 | |
| 9 | | | | | | 5 - ≤ 10 | |
| X | | | | >10 | | >10 | >5 |

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The three (3) major contaminants in compressed air are solid particles, water and oil; these are categorized by compressed air purity classes. These compressed air purity classes group the concentrations of each of the above contaminants into ranges, each range being given its own purity class index.