



Valve & Flow Control Technology

Recommendation for the quality of compressed air for AKO air operated pinch valves

Purity class (VDMA 15390): **A-2, B1-3, B2-2, C-1**

A-2 quality class

A → Solid contaminants

2 → quality class in accordance with ISO 8573-1 ($1.0 \mu < 10 \text{ particles} \leq 5.0 \mu$)

B1-3 & B2-2 quality class

B1 → Humidity, vaporous, ambient temperature $> 3 \text{ }^{\circ}\text{C}$

B2 → Humidity, vaporous, ambient temperature $\leq 3 \text{ }^{\circ}\text{C}$

3 → quality class in accordance with ISO 8573-1 (residual moisture $\leq 0.88 \text{ g/m}^3$)

2 → quality class in accordance with ISO 8573-1 (residual moisture $\leq 0.11 \text{ g/m}^3$)

Trace heating may be necessary

C-1 quality class

C → total oil quantity

1 → quality class in accordance with ISO 8573-1 ($\leq 0.01 \text{ mg/m}^3$)

Standards: ISO 8573-1, Compressed air – Contaminants and purity classes
VDMA 15390, List of recommended purity classes

Note:

Please note that the above information is only a recommendation, which can change depending on the specific process.

However, the recommendation may serve as a starting point for deciding on the quality of compressed air required in each specific case.

Technical details are subject to change without notice.