

The Standard **DIN ISO8573-1:2010**

ISO 8573-1:2010 COMPRESSED AIR CONTAMINANTS AND PURITY CLASSES

CLASS	PARTICLES *			Mass Concentration	WATER*		OIL*	
	By Particle Size (maximum number of particles per m3)				Vapor Pressure Dewpoint	Liquid	Liquid, Aerosol, & Vapor	
	0.1 μm < d ≤ 0.5 μm	0.5 μm < d ≤ 1.0 μm	1.0 μm < d ≤ 5.0 μm	mg/m3	°C	°F	g/m3	mg/m3
0	As specified by the equipment user or supplier and more stringent than class 1							
1	≤ 20,000	≤ 400	≤ 10	-	≤ -70	≤ -94	-	≤ 0.01
2	≤ 400,000	≤ 6,000	≤ 100	-	≤ -40	≤ -40	-	≤ 0.1
3	-	≤ 90,000	≤ 1,000	-	≤ -20	≤ -4	-	≤ 1
4	-	-	≤ 10,000	-	≤ +3	≤ +37	-	≤ 5
5	-	-	≤ 100,000	-	≤ +7	≤ +45	-	-
6	-	-	-	0 – ≤ 5	≤ +10	≤ +50	-	-
7	-	-	-	5 – ≤ 10	-	-	≤ 0.5	-
8	-	-	-	-	-	-	≤ 5	-
9	-	-	-	-	-	-	≤ 10	-
X	-	-	-	> 10	-	-	> 10	> 5

Particles : From pipe scale , Wear particles and Atmospheric dirt

Separate and Purify with RPF filters : Grade AA & AO & AR & AAR

Water : Liquid, Vapor and Aerosol

Separate with RWS filters , Desiccant and Refrigerated Rollair Airdryers

Oil : Liquid, Vapor and Aerosol

Separate and Purify with RPF filters : Grade AA & AO & ACS & AX