

Air Quality Classifications ISO 8573.1 2001

ISO QUALITY CLASS	SOLIDS / DIRT Particle size in microns	WATER @ 100 psig Pressure Dew Point		OIL (including Liquid & Vapor)	
		° C	° F	Mg /m ³	PPM
0	As specified	As specified		As specified	
1	0.1	-70	-94	0.01	0.008
2	1	-40	-40	0.1	0.08
3	5	-20	-4	1	0.8
4	15	+3	+38	5	4
5	40	+7	+45	25	21
6	-	+10	+50	-	-

Air Quality Recommended Standards

Applications Classes	Typical Quality Classes		
	Solids / Dirt	Water	Oil
Air agitation	5	3	3
Air bearings	2	3	2
Air gauging	3	3	2
Air motors	2	5	4
Brick & glass machines	4	5	4
Cleaning of machine parts	4	4	4
Construction	5	5	4
Conveying, granular products	4	3	3
Conveying, powder products	3	2	2
Fluidics, power circuits	4	4	4
Fluidics, sensors	1	2	2
Foundry machines	4	5	4
Food & beverages, direct air contact	2	2	1
Food & beverages, NOT direct air contact	2	4	1
Hand operated tools	5	5	4
Machine tools	3	5	4
Mining	5	5	4
Micro-electronics manufacture	1	1	1
Packaging and textile machines	3	4	4
Photographic film processing	1	1	1
Pneumatic cylinders	4	4	4
Pneumatic tools	4	4	4
Process control instruments	2	4	2
Paint spraying	3	4	3
Sand blasting	3	3	5
Welding machines	4	5	4
General workshop air	4	5	4