

Air Quality Classifications ISO 8573.1



QUALITY CLASS	DIRT Particle size in micron	WATER Pressure Dewpoint °C at 7 barg	OIL (including vapour) mg/m ³
1	0.1	-70	0.01
2	1	-40	0.1
3	5	-20	1
4	40	+3	5
5	-	+7	25
6	-	+10	-

Pneurop Recommended Standards

Application Classes	Typical Quality Classes		
	Oil	Dirt	Water
Air agitation	3	5	3
Air bearings	2	2	3
Air gauging	2	3	3
Air motors	4	4-1	5
Brick & glass machines	4	4	5
Cleaning of machine parts	4	4	4
Construction	4	5	5
Conveying, granular products	3	4	3
Conveying, powder products	2	3	2
Fluidics, power circuits	4	4	4
Fluidics, sensors	2	2-1	2
Foundry machines	4	4	5
Food and beverages	2	3	1
Hand operated air tools	4	5-4	5-4
Machine tools	4	3	5
Mining	4	5	5
Micro-electronics manufacture	1	1	1
Packaging and textile machines	4	3	3
Photographic film processing	1	1	1
Pneumatic cylinders	4	4	4
Pneumatic tools	4	4	4
Process control instruments	2	2	3
Paint spraying	3	3	3
Sand blasting	-	3	3
Welding machines	4	4	5
General workshop air	4	4	5