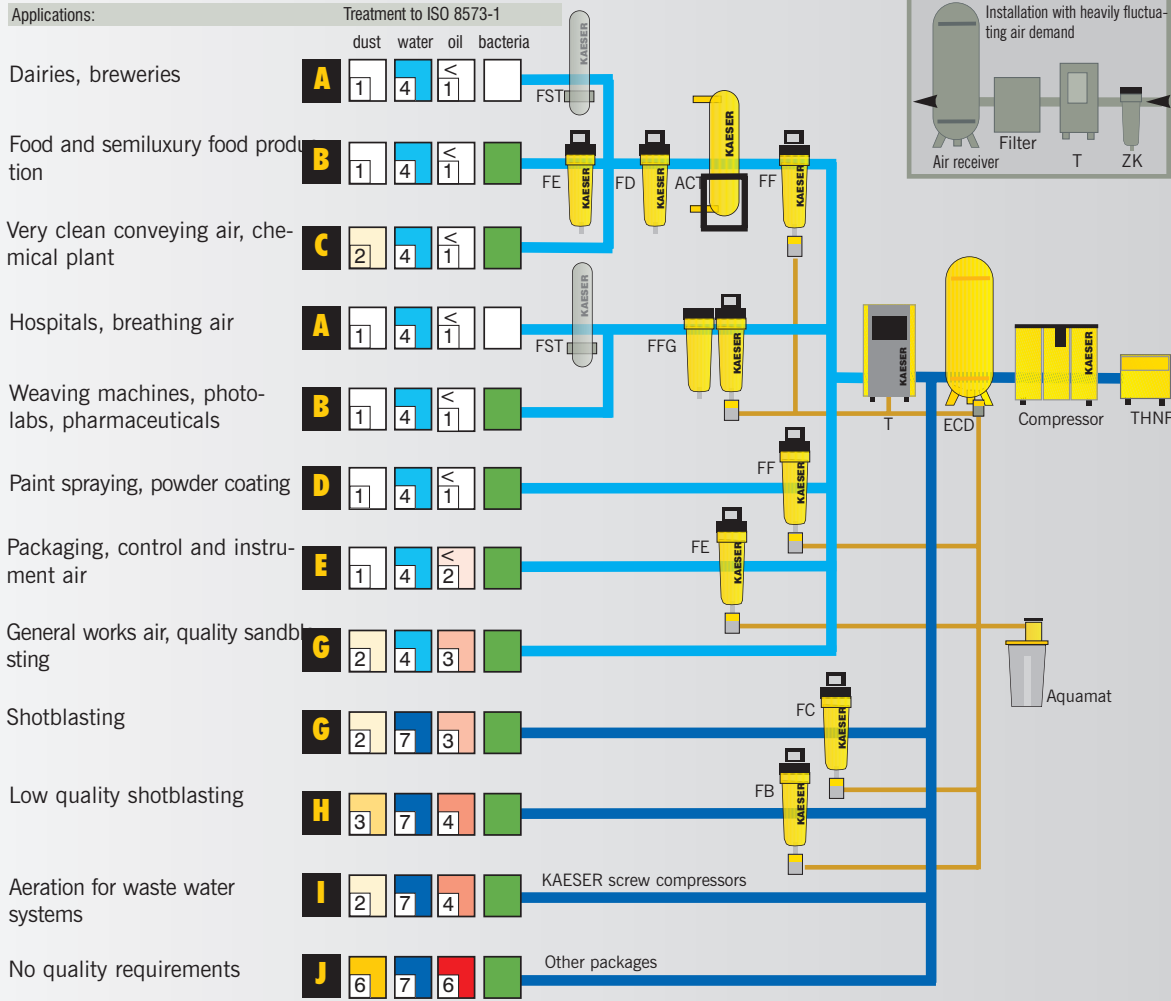


Choose the right grade of treatment according to your field or application:

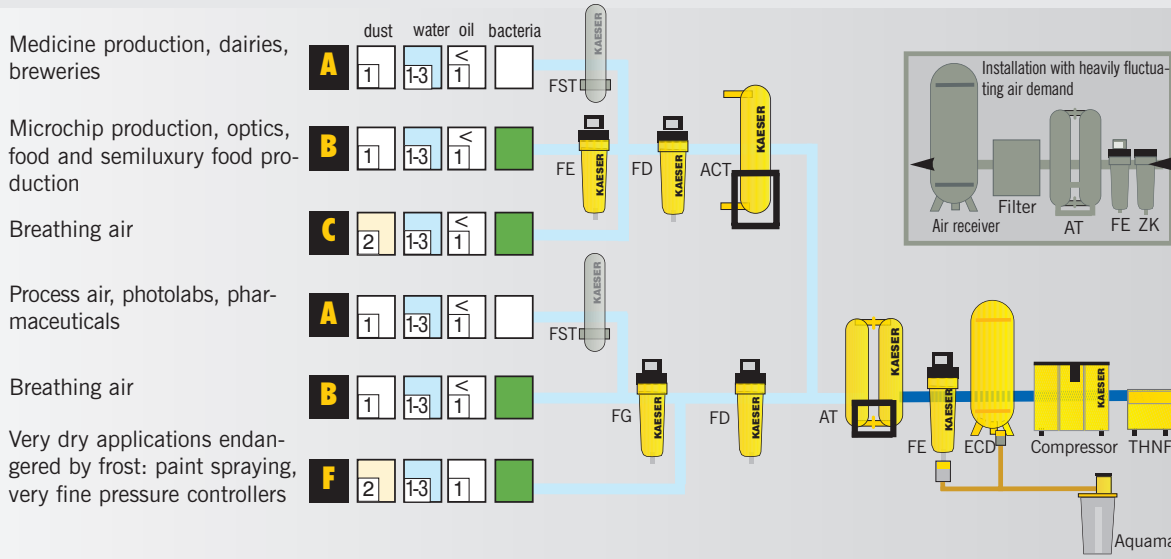
Air treatment using a refrigeration dryer (+3 °C pressure dew point)



Explanation:

- THNF bag filter** cleans dusty and highly contaminated intake air
- ZK centrifugal separator** separates accumulating condensate
- ECD ECO drain (electronic)** drains condensate with level control
- FB prefilter 3 μm** separates liquid droplets and solid particles > 3 μm, oil carry-over ≤ 1 mg/m³
- FC prefilter 1 μm** separates liquid droplets and solid particles > 1 μm, oil carry-over ≤ 1 mg/m³
- FD particulate filter 1 μm** separates dust particles > 1 μm
- FE microfilter 0.01 ppm** separates solid particles and oil mist > 0.01 μm, oil carry-over ≤ 0.01 mg/m³
- FF microfilter 0.001 ppm** separates oil aerosols and solid particles > 0.01 μm, oil aerosol carry-over ≤ 0.001 mg/m³
- FG activated carbon filter** for adsorption of oil vapors, oil vapor carry-over ≤ 0.003 mg/m³
- FFG combination filter** comprising FF and FG
- T refrigeration dryer** dries compressed air, pressure dew point to +3 °C
- AT adsorption dryer** dries compressed air, DC series: heatless regeneration, pressure dew point to -70 °C; DW, DN, DTL, DTW series: heat regeneration, pressure dew point to -40 °C
- ACT activated carbon adsorber** for adsorption of oil vapors, oil vapor carry-over ≤ 0.003 mg/m³
- FST sterile filter** provides bacteria-free compressed air
- Aquamat** for condensate separation

For air mains endangered by frost: treatment with a desiccant dryer (down to -70 °C dew point)



Foreign matter:

+	dust	-
+	water/condensate	-
+	oil	-
+	bacteria	-

Degree of filtration:

Class	DIN ISO 8573-1				
	Residual dust μm	Residual dust mg/m ³	Residual water PDP °C	Residual water g/m ³	Oil carry-over mg/m ³
1	0,1	0,1	-70	0,003	0,01
2	1	1	-40	0,117	0,1
3	5	5	-20	0,88	1
4	15	8	+3	5,95	5
5	40	10	+7	7,73	25
6	—	—	+10	9,36	—
7	—	—	not specifiable	—	—

- A** Oil vapor carry-over ≤ 0.003 mg/m³, particle retention > 0.01 mm, sterile, odourless and tasteless
- B** Oil vapor carry-over ≤ 0.003 mg/m³, particle retention > 0.01 mm
- C** Oil vapor carry-over ≤ 0.003 mg/m³, particle retention > 1 mm

- D** Oil carry-over ≤ 0.001 mg/m³ particle retention > 0.01 mm
- E** Oil carry-over ≤ 0.01 mg/m³, particle retention > 0.01 mm
- F** Oil carry-over ≤ 0.01 mg/m³ particle retention > 1 mm
- G** Oil carry-over ≤ 1 mg/m³ particle retention > 1 mm

- H** Oil carry-over ≤ 5 mg/m³ particle retention > 3 mm
- I** Oil carry-over ≤ 5 mg/m³ particle retention > 1 mm
- J** untreated