



Expertise
Passion
Automation

GUIDE FOR ISO QUALITY AIR

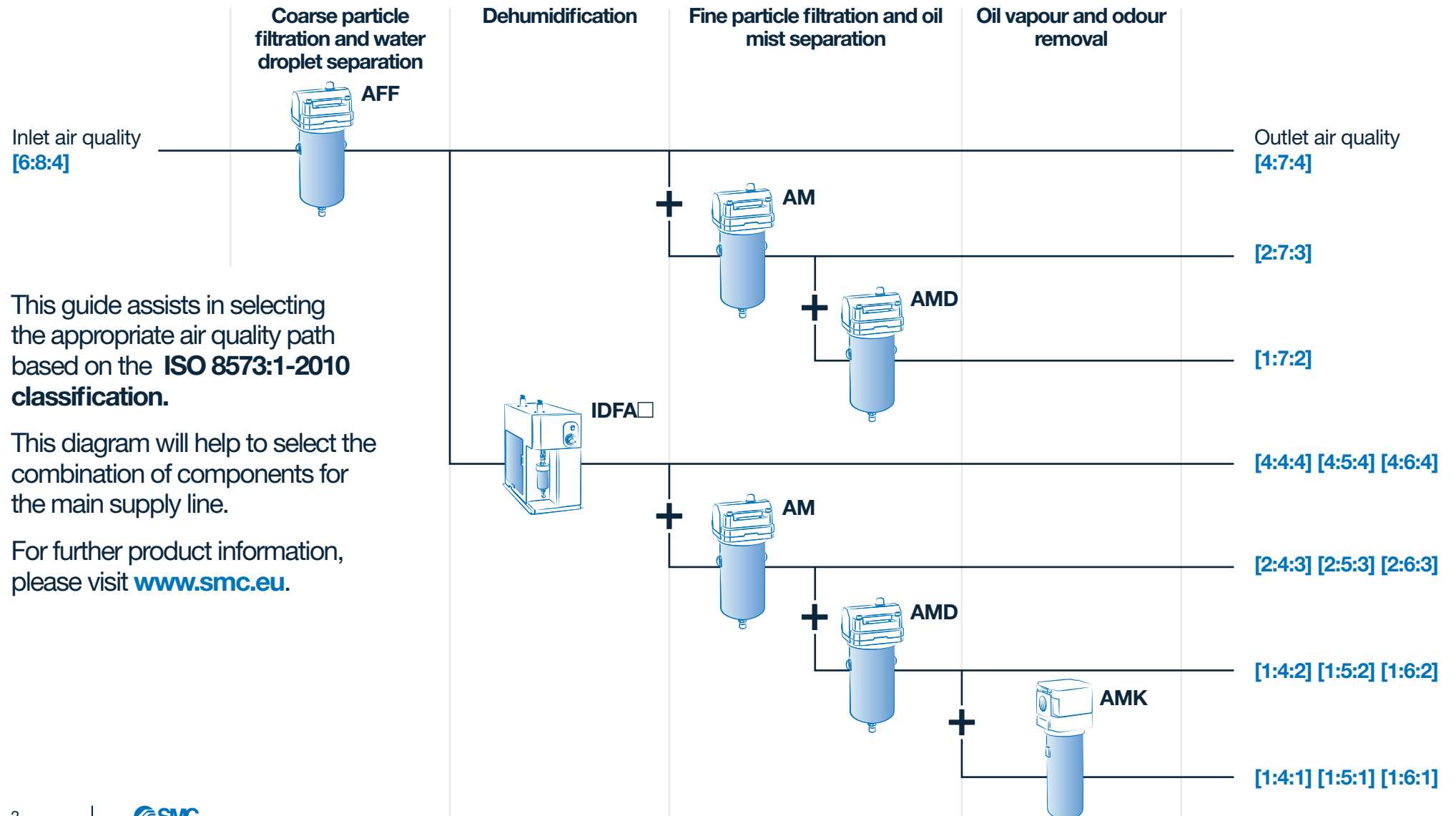
Choose your path

FIND THE RIGHT PRODUCT COMBINATION
TO REACH THE ISO AIR PURITY YOU NEED



Air treatment selection guide

Main line



This guide assists in selecting the appropriate air quality path based on the **ISO 8573:1-2010 classification**.

This diagram will help to select the combination of components for the main supply line.

For further product information, please visit www.smc.eu.

Products for main line



Main line filter

+ AFF70~90D Series

- Coarse particle filtration and water droplet separation
- 1 μm nominal rating
- 99 % filtration efficiency
- Flow rate up to 14500 l/min.



Mist separator

+ AM70~90D Series

- Fine particle filtration and oil mist separation
- 0.1 μm nominal rating
- 99 % filtration efficiency
- Oil concentration $\leq 1 \text{ mg/m}^3$
- Flow rate up to 14500 l/min.



Micro mist separator

+ AMD70~90D Series

- Ultra fine particle filtration and oil mist separation
- 0.01 μm nominal rating
- 99.9 % filtration efficiency
- Oil concentration $\leq 0.1 \text{ mg/m}^3$
- Flow rate up to 14500 l/min.



Refrigerated air dryer

+ IDFA Series

- Dehumidification
- Pressure dew point as low as 3 $^{\circ}\text{C}$
- Flow rate up to 22300 l/min.



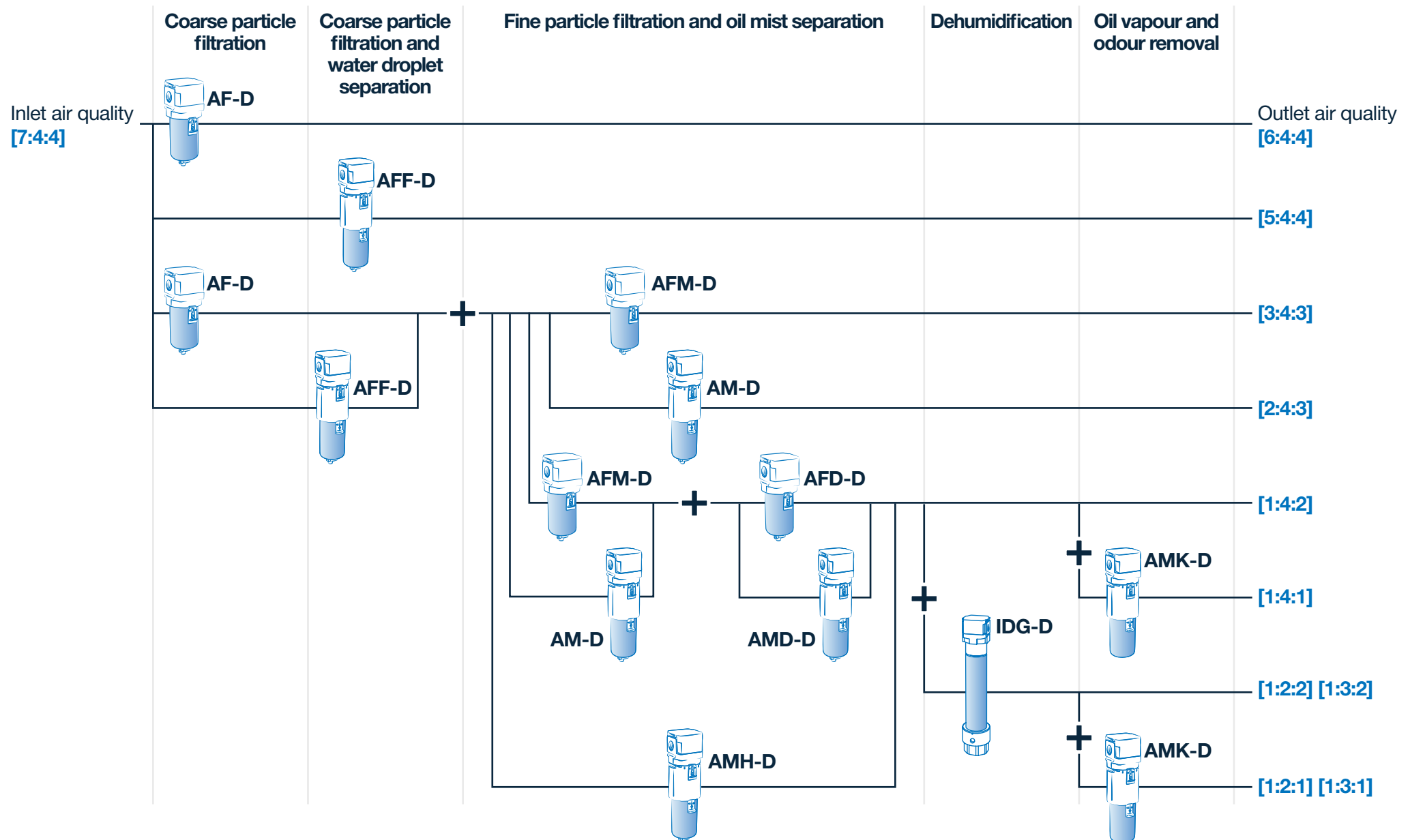
Activated carbon filter

+ AMK50~60-D Series

- Oil vapour and odour removal
- Oil concentration $\leq 0.003 \text{ mg/m}^3$
- Flow rate up to 3700 l/min.

Application line

This diagram will help to select the combination of components at application level.



Products for application line



Line filter + AFF20~60-D Series

- Coarse particle filtration and water droplet separation
- 1 μm nominal rating
- 99 % filtration efficiency
- Flow rate up to 3700 l/min.



Mist separator + AM20~60-D Series

- Fine particle filtration and oil mist separation
- 0.1 μm nominal rating
- 99 % filtration efficiency
- Oil concentration $\leq 1 \text{ mg/m}^3$
- Flow rate up to 3700 l/min.



Micro mist separator + AMD20~60-D Series

- Ultra fine particle filtration and oil mist separation
- 0.01 μm nominal rating
- 99.9 % filtration efficiency
- Oil concentration $\leq 0.1 \text{ mg/m}^3$
- Flow rate up to 3700 l/min.



Air filter + AF-D Series

- Coarse particle filtration
- 5 μm nominal rating
- Flow rate up to 14550 l/min.



Mist separator + AFM-D Series

- Fine particle filtration and oil mist separation
- 0.3 μm nominal rating
- 99.9 % filtration efficiency
- Oil concentration $\leq 1 \text{ mg/m}^3$
- Flow rate up to 1100 l/min.



Micro mist separator + AFD-D Series

- Ultra fine particle filtration and oil mist separation
- 0.01 μm nominal rating
- 99.9 % filtration efficiency
- Oil concentration $\leq 0.1 \text{ mg/m}^3$
- Flow rate up to 600 l/min.



Micro mist separator with pre-filter AMH-D Series

- Ultra fine particle filtration and oil mist separation
- 0.01 μm nominal rating
- 99.99 % filtration efficiency
- Oil concentration $\leq 0.1 \text{ mg/m}^3$
- Flow rate up to 1500 l/min.



Membrane air dryer + IDG-D Series

- Dehumidification
- Dew point $-20 \text{ }^\circ\text{C}$ (class 3) or $-40 \text{ }^\circ\text{C}$ (class 2)
- Flow rate up to 500 l/min.



Activated carbon filter + AMK20~60-D Series

- Oil vapour and odour removal
- Oil concentration $\leq 0.003 \text{ mg/m}^3$
- Flow rate up to 3700 l/min.

