



Compressed air treatment* from BOGE: Perfect quality for all branches of industry.

*in line with the recommendation of the VDMA (German Engineering Federation), Guideline No. 15390-1, draft dated November 2013

Flexible, individual, cost-effective: Made-to-measure compressed air quality



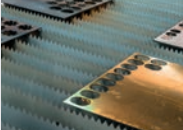



Areas of application for the compressed air	Quality classes as per ISO 8573-1				Cyclone separator	Pre-filter	Refrigerant compressed air dryer	Micro-filter	Membrane dryer	Adsorption dryer	Sterile filter
	Solids	Water	Oil	Sterile							
Ambient temperature > 3°C											
	Food/beverage industry										
	Control air (drive air)	2	4	1	–	x	x	x	x		
	Sterile air blanketing	1	4	1	yes	x	x	x	x		x
	Conveying air/process air	1	3–4	1	yes	x	x		x		(x)
	Packaging production, packaging processes and moulding air	1	4	2–4	yes	x	x	x	x		(x)
	Paper/textile/chemical industries										
	Control air (drive air)	2	4	2	–	x	x	x	x		
	Conveying air/process air	2	4	1	–	x	x	x	x		
Breathing air	see EN 12021/Breathing air										
	Metal-working/foundry/glass/plastics industries										
	Control air (drive air)	2	4	2	–	x	x	x	x		
	Blowing air/process air	2	4	1–2	–	x	x	x	x		
	Surface treatment										
	Control air	2	4	2	–	x	x	x	x		
	Powder coating	2	3–4	1	–	x	x	x	x	x	x
	Blasting	–	4	2	–	x	x	x	x	x	x
	Coating	2	3–4	1	–	x	x	x	x	x	x
	Breathing air	see EN 12021/Breathing air									
	Mechanical/plant engineering										
	Control air	2	4	2		x	x	x	x		
	Blowing air	2–3	4	2		x	x	x	x		
	Drive air	2–3	4	3–4		x	x	x	x		
	Process air	2	4	1		x	x	x	x		
	Measurement and monitoring systems										
	3D measurement systems	1–2	3–4	1		x	x	x	x	x	x
	Measurement and monitoring air	1–2	3–4	1		x	x	x	x	x	x

Table in accordance with VDMA recommendation, Guideline 15390-1 (Draft 11/2013).

The VDMA (German Engineering Federation) standard sheet was developed by experts from the Compressed Air Technology division of the VDMA Compressors, Compressed Air and Vacuum Technology Association, in cooperation with specialists from the Fluid Power Association. It is based on the VDMA 15390:2004 standard sheet, which reflects many years of experience in the field of compressed air. The air purity classes in accordance with ISO 8573-1 refer to a specific measurement point within the compressed air network. Components such as pipes and valves influence the quality of the compressed air and must therefore be suitable for achieving a particular purity class. The processing lines shown here should therefore be used for guidance only.

Not all compressed air is alike. The different quality classes and purity requirements are as varied as the industrial applications. The perfect compressed air for use in the textile industry, for example, may be totally unsuitable for the food or surface-coating industry. This is why it is so important to adapt the compressed air treatment system precisely to the type of application. BOGE offers a wide range of system components, which ensure that you receive just the compressed air that you need, with the purity level stipulated for your industry. No more, no less, and always cost-effective.

Centralised compressed air treatment						Decentralised compressed air treatment	Solids	Water	Oil
1	—	—	—	—	—	—	—	7–8	—
1	2	4	—	—	—	—	3	4–6	3
1	2	4	3	—	—	—	2	4–6	2
1	2	4	3	8	2	3	1	4–6	2
1	2	4	3	8	2	3	2	4–6	1
1	2	4	3	8	2	3	1	4–6	1
1	3	5	2	—	—	—	2	1–2	2
1	3	5	2	—	—	9	3	1–2	1
1	3	6	2	—	—	—	2	1–2	1
1	3	7	8	2	—	—	2	1–2	1
1	3	7	8	2	—	3	1	1–2	1

Sterile filter, depending on type of application.

1 Cyclone separator Z...N

2 Microfilter F...P

3 Microfilter F...M

4 Refrigerant compressed air dryer DS 2 to DS 1800

5 Adsorption dryer with heatless regeneration

6 Adsorption dryer with heatless regeneration and activated carbon adsorber

7 Adsorption dryer with heat regeneration

8 Activated carbon adsorber DCZ

9 Activated carbon filter F...A

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All around the globe, customers place their trust in premium compressed air systems with the BOGE brand name. These four letters stand for more than just the name of our company founder. BOGE also stands for the Best Of German Engineering – because we have been putting our experience in innovative solutions and outstanding products into action for four generations and for more than 100 years. Those who favour German engineering ingenuity opt for BOGE quality – worldwide.

OUR RANGES OF SERVICES INCLUDE THE FOLLOWING:

- Energy efficient systems development
- Plant design and engineering
- System control and visualisation
- Oil-free piston and screw compressors
- Oil injected screw compressors
and oil lubricated piston compressors
- Compressed air treatment, special gas applications (nitrogen, oxygen)
- Compressed air distribution and storage
- Compressed air accessories
- Compressed air service



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