



# Meeting purity-class requirements with Festo service units – the series D

Check to see which products from the series D would be best for your system.

In the table you will find recommendations from the experts at Festo, based on the limit values specified in ISO 8573-1:2010.

Compressed air generation	Air distribution	Air preparation	Class <sup>1)</sup>	Typical applications	Flow rate with inlet pressure 10 bar, outlet pressure 6 bar in NI/min											
					1,000	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	11,000	12,000
			[7:7:4]	Operating medium for valves, cylinders, secondary packaging (standard)												
			[6:4:4]	Servopneumatic positioning with proportional directional control valves, pneumatic tools												
			[5:4:3]	Applications with a residual oil content of $\leq 0.5 \text{ mg/m}^3$ , metal production and processing												
			[3:4:2]	Textile industry, publishing and printing industries, glass industry, ceramics, paper industry, rubber and plastics industry. Class 1:4:2 can be achieved with an additional 1 µm filter												
			[1:4:1]	Reduction of oil vapour and odour, CD production, handling of wet food and primary packaging												
			[1:3:1]	Semiconductor industry, pharmaceutical products, instrument and test air, 3-D measuring technology and painting												
					250	500	750	1,000	1,250	1,500	1,750	2,000	2,250	2,500	2,750	3,000
					100	200	300	400	500	600	700	800	900	1,000	1,100	1,200

<sup>1)</sup> Purity class to ISO 8573-1:2010 [particles: water: oil]. Achievable purity class under normal operating and environmental conditions for typical compressed air networks.

<sup>2)</sup> The purpose of the 1 µm filter is to extend the maintenance intervals and safeguard the particle class. If the purity of the central compressed air supply is good, this filter can be omitted.

Festo 40 µm and 5 µm filters are additionally equipped with a separator for liquids.

\* This table includes only a selection of the available devices and possible combinations.