



FAD adsorption dryers

FIMA FAD adsorption dryers are designed for continuous separation of water vapor from the compressed air thus reducing the pressure dew point. FAD series dryer consists of two columns, filled with desiccant beds, controller with LCD display, valves, manometers, support construction and suitable filter housings with the required filter element. With flow rates ranging from 1.833 L/min to 16.667 L/min and dew point up to -70 °C, this series assures accurate and efficient operation in many critical applications such as the chemical-pharmaceutical, food, electronic, automotive industries or in external low temperature installations.



Adsorption dryers




Compressed Air Treatment

Model	Flow rate*			Power supply	Connections Ø (IN-OUT)	Dimensions	Weight
	L/min	CFM	M3/h	V/Hz	Inch	mm	Kg
FAD 18	1833	64,7	110	230/50	G1	719 x 422 x 1647	140
FAD 25	2500	88,3	150	230/50	G1	707 x 422 x 1897	156
FAD 33	3333	117,7	200	230/50	G1	707 x 471 x 1664	196
FAD 43	4333	153	260	230/50	G1	707 x 471 x 1914	236
FAD 53	5333	188,3	320	230/50	G1/2	860 x 535 x 1742	274
FAD 70	6833	241,3	410	230/50	G1/2	854 x 535 x 1989	295
FAD 100	9833	347,3	590	230/50	G1/2	854 x 671 x 2051	392
FAD 130	12833	453,2	770	230/50	G2	1051 x 701 x 2080	507
FAD 167	16667	588,6	1000	230/50	G2	1051 x 701 x 2140	597
FAD 192	19200	678	1152	230/50	G2	1207 x 701 x 2185	N/A

*At 7 Barg (P)/ 35 °C (T)/ 25 °C (AT)/ -40 °C (D)

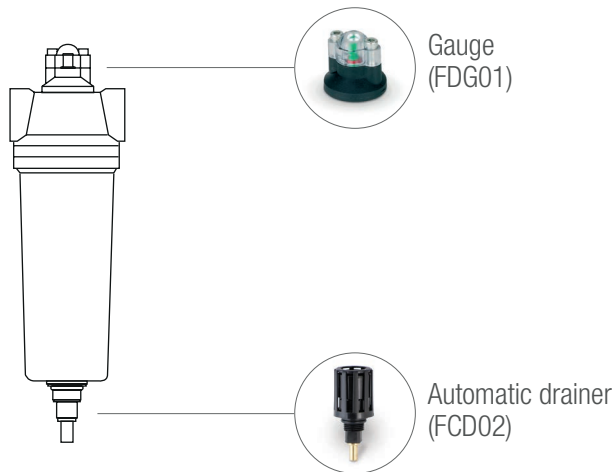
Dimension: Length x Depth x Height

CORRECTION FACTORS

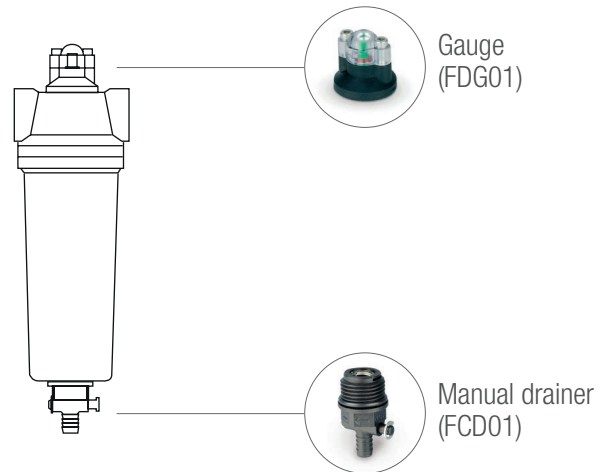
	Operating pressure correction factors (P)	Operating pressure (Bar)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Operating pressure (Psi)	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
		Correction factor	0,38	0,50	0,63	0,75	0,88	1,00	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13
	Operating temperature correction factor (T)	Inlet temperature (°C)	25	30	35	40	45	50									
		Correction factor	1,00	1,00	1,00	0,97	0,87	0,80									
	Dew point correction factor (D)	Temperature (°C)	-25	-40	-70												
		Correction factor	1,10	1,00	0,70												

FAD series is equipped with:

- Siemens controller
- Pre-filter (FO)



- After-filter (FS)



FAD optional:

- Dew point sensor;

2 years
available service kit

- Electromagnetic valve;
- Inlet membrane;
- Expansion valve;
- Non return valve membrane;
- Silencer;
- Packaging;

4 years
available service kit

- 2 years service kit;
- Adsorbent;
- Packaging;