



# I-FAD adsorption dryers

FIMA I-FAD adsorption dryers have been designed to separate water moisture from the compressed air thus reducing the dew point in the system. With innovative, compact and robust design, this series enables fast and reliable installation. User friendly thanks to a simple and intuitive ready to use controller, this series is available with flow rates ranging from 100 L/min to 3.333 L/min and dew point up to -70 °C.



## 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
<b>I-FAD 01</b>	100	3,5	6	230/50	G3/8	480 x 130 x 520	11
<b>I-FAD 02</b>	200	7,1	12	230/50	G3/8	480 x 130 x 715	14
<b>I-FAD 04</b>	400	14,1	24	230/50	G3/8	480 x 130 x 1105	19
<b>I-FAD 06</b>	600	21,2	36	230/50	G3/8	480 x 130 x 1495	28
<b>I-FAD 10</b>	1000	35,3	60	230/50	G3/4	570 x 170 x 1105	45
<b>I-FAD 12</b>	1250	44,1	75	230/50	G3/4	570 x 170 x 1300	53
<b>I-FAD 20</b>	1950	68,9	117	230/50	G3/4	570 x 170 x 1700	70
<b>I-FAD 25</b>	2500	88,3	150	230/50	G1	725 x 240 x 1440	171
<b>I-FAD 33</b>	3333	117,7	200	230/50	G1	725 x 240 x 1655	182

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

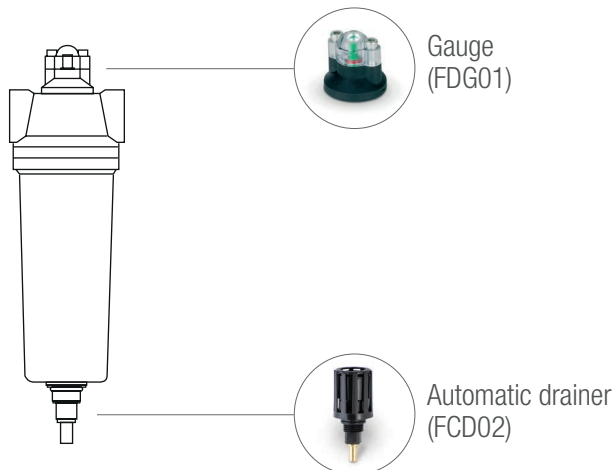
Dimension: Length x Depth x Height

## CORRECTION FACTORS

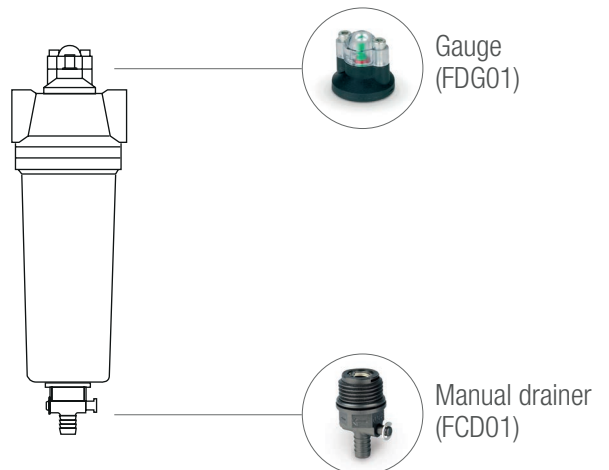
	<b>Operating pressure correction factors (P)</b>	Operating pressure (Bar)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Operating pressure (Psi)	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
		Correction factor	0,38	0,50	0,63	0,75	0,88	1,00	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13
	<b>Operating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

### I-FAD series is equipped with:

- Pre-filter (FO)



- After-filter (FS)



### I-FAD optional:

- Siemens controller;
- Dew point sensor;

**2 years**  
available service kit

- Inlet valve;
- Expansion valve;
- Check valve;
- Sealings;
- Bleeding nozzle;
- Silencer;
- Packaging;

**4 years**  
available service kit

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