

# Compressed Air Dryer and Filtration Unit | 800 x 800 x 300 mm



For use with the IRmadillo Process Analyser



## Technical Specifications

General	Value
Manufacturer / Distributor	Air Kraft
Model numbers (whole unit)	Air Kraft: DFU01-110V-01-800-SS Air Kraft: DFU01-230V-01-800-SS
Compressed air dryer model type	Atlas Copco: CD 1+ (Heatless adsorption compressed air dryer)
Enclosure model type	ECOR ECOR8-830X
Internal part numbers (components and consumables)	See Keit DOC0837 user manual
Materials	Enclosure & door (lockable): 1.5 mm stainless steel AISI 304L
Dimensions (cabinet, exterior)	W 800 x H 800 x D 300 mm
Additional space requirements	Allow 850 mm in front of unit to open door Allow 60 mm beneath unit for protruding parts Allow access for inlet / outlet ports on left and right of unit
Weight (total)	67 kg
Maximum distance from IRmadillo (purge tubing)	100 m
Number of IRmadillos per air dryer (max)	10
Air inlet fitting	Female 1/4" NPT
Air outlet fitting	Female 1/4" NPT

Power Supply	Value
Voltage (Standard, model number DFU01-230V-01-800-SS)	230 VAC
Voltage (Option, model number DFU01-110V-01-800-SS)	110 VAC
Recommended supply type	Single phase, 13 A
Approximate maximum load	100 W
Recommended fuse	5 A

Limits		Units	Min	Recommended	Max
Compressed air inlet pressure		bar(g)	6	7	10
Ambient temperature		°C	-10	-	55
Inlet Compressed air temperature		°C	1.5	35	60
Inlet Compressed air humidity		%RH	0	-	100
Inlet Compressed air flow		L/s	-	-	1

Compressed Air Quality to ISO 8573-1	Particulate	Water	Oil
Inlet compressed air quality - minimum requirement	5	-	4
Outlet compressed air quality	1	2	1

Other	Value
Enclosure protection rating (door shut and locked)	IP55, NEMA 4X
Mounting	Keit recommends wall-mounting the unit, but it may also be free-standing. There are 4 rear thru holes for wall mounting (Ø 9 mm).
Maintenance schedule	6 month check and replace filters. See Keit DOC0837 user manual.

