



AID Series Refrigerated Air Dryer

35 – 243 cfm

16 Bar Pressure

www.anest-iwata.com.au

How a Refrigerated Dryer Protects Your System

The AID Series uses advanced refrigerated drying technology to cool compressed air, forcing moisture to condense and be removed before it reaches your air network. This process significantly reduces corrosion, prevents water-related failures, and improves the performance and lifespan of air-powered equipment.

A dual-stage air-water separation system ensures highly efficient moisture removal. The first stage rapidly separates bulk liquid water by reducing airflow velocity, while the second stage captures fine droplets, delivering a stable and reliable dew point under varying load conditions.

Engineered for Efficiency, Stability, and Longevity

The AID Series incorporates a range of premium features designed to deliver dependable operation in demanding industrial environments:

- **Eco-Friendly R410a Refrigerant** - Offering higher efficiency without ozone depletion.
- **Smart Hot Gas Bypass Control** - Preventing evaporator freezing while precisely regulating cooling capacity to maintain a consistent dew point.
- **Low Pressure Drop Design** - Specially engineered vertical reverse-flow heat exchangers achieving pressure losses of less than 0.2 bar, helping reduce overall system power consumption.
- **Corrosion-Resistant Aluminium Alloy Heat Exchangers** - Forms a natural protective oxide layer that prevents secondary contamination and extends service life.
- **Upgraded High-Surface-Area Heat Exchanger Configuration** - Ensures stable dew point performance even at elevated ambient and inlet temperatures.
- **Carefully Selected Core Components** - High-efficiency refrigeration compressors, custom-designed condensers with high-volume fans, and microcomputer-based controls for precise operation and high-temperature protection.

Technical Indicators

INTAKE TEMPERATURE	COOLING	AMBIENT TEMP.	PRESSURE DEW POINT	WORKING PRESSURE RANGE
10~600c	Air Cooled	2~400c	2~70c	0.6~1.3MPa

Specifications Table

MODEL	AIR CAPACITY (Nm ³ /min)	REFRIGERATION COMPRESSOR POWER(kw)	POWER SUPPLY (V/Hz)	INLET/OUTLET	DIMENSIONS (MM)			MATCHED AIR COMPRESSOR POWER (kW)	WEIGHT (kg)
					LENGTH	WIDTH	HEIGHT		
AID15	1.5	0.48	220	G1	650	420	780	7.5	52
AID26	2.6	0.62	220	G1	680	450	850	15	60
AID38	3.8	0.875	220	G1-1/2	760	500	890	22	76
AID69	6.9	1.15	220	G1-1/2	870	560	970	37	96

Note: All Units require Power supply 240V.

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