

FLQ

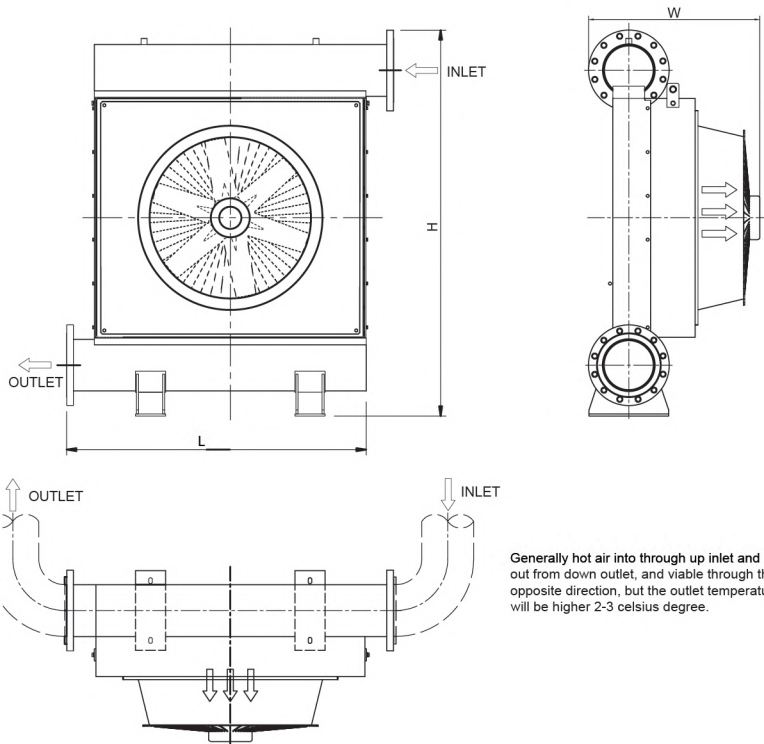
AIR COOLER

FLQ series Air Cooler is generally used in positive pressure conveying system, and connects with the outlet of roots blower. The high-temperature compressed air discharged by roots blower enters the inlet of the Air Cooler through the blowing pipe, and then is dispersed to multiple groups of cooling channel through the horizontal concentrated pipe. The cooling channel conducts heat to the cooling fins, which are composed of aluminum alloy fins with very high heat conduction efficiency. Multiple sets of cooling channels and fins form a panel type radiator. The airflow generated by the axial fan passes through the panel radiator vertically, and takes away the heat dissipated by the radiator and exhausts the hot air to the outside, thereby reducing the high-temperature compressed air blown by the roots blower to a suitable temperature. Generally, the temperature of the discharged air flow after cooling should be ten degrees higher than the ambient temperature.



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More details please visit www.g-grain.com and download



Model	Working medium	Heat exchange power (kw)	Air volume	Inlet (°C)	Outlet (°C)	Design pressure (Mpa)	Testing pressure (Mpa)	Pressure loss
FLQ-15-X	Hot air	60.6	15m³/min	145	45	0.3	0.45	≤0.03Bar
	Cooling air		3800m³/h	35	61			100Pa
FLQ-30-X	Hot air	60.6	30m³/min	145	45	0.3	0.45	≤0.04Bar
	Cooling air		7200m³/h	35	60			100Pa
FLQ-40-X	Hot air	80.8	40m³/min	145	45	0.3	0.45	≤0.05Bar
	Cooling air		10000m³/h	35	61.4			125Pa
FLQ-55-X	Hot air	80.8	55m³/min	145	45	0.3	0.45	≤0.05Bar
	Cooling air		14000m³/h	35	61			140Pa
FLQ-65-X	Hot air	140	63m³/min	145	42	0.3	0.45	≤0.05Bar
	Cooling air		18500m³/h	35	59.8			180Pa