

INGERSOLL RAND ABC 180 after cooler



Technical Specifications

| Model | Capacity m ³ /min FAD* | Dimension mm | | | Weight kg | Air/water connection | | Max Pressure (bar g) |
|---------|---|--------------|------|-----|--------------|----------------------|-------|----------------------------|
| | | A | B | C | | Air Inlet/Outlet | Water | |
| ABC-180 | 18 | 1516 | 1857 | 560 | 120 | DN 80/80 | | 12 |

- Skid mounted for transport and fastening, 110 x 80 x h 145 cm
- GW 680 kg



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General Description

INTRODUCTION

pneumatic air-cooled aftercooler designed for superior and reliable performance in a compressed air solution. includes a pneumatic motor drive fan and copper tubes aluminum fins.



REMOVAL OF CONDENSATE AND REDUCTION OF COMPRESSED AIR TEMPERATURE

Compressed air contains very high levels of liquid condensate, the effective removal of which leads to reduced maintenance costs, enhanced system operation and improved product quality. Aftercoolers represent the vital first step in this process, eliminating up to 80% of the condensate present within compressed air.

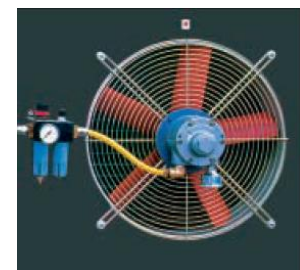
Diversely, many industrial applications require reduced compressed air temperatures to allow them to operate efficiently, a requirement for which aftercoolers are perfectly suited.

OPERATING PRINCIPLE

Hot compressed air passes through the Aftercooler tubes. Ambient cooling air is forced across these tubes by the fan, with fins on the tubes increasing the cooling efficiency. The air is cooled to a temperature which can be as little as 5°C above the ambient temperature. As the compressed air cools, so liquid condensate is created; this is efficiently removed by a centrifugal separator installed at the Aftercooler outlet.

PNEUMATIC MOTOR DRIVE FAN

Pneumatic motor drive fan to force ambient air over the cooler to remove heat from the compressed air.



COOLER

The cooler is made of a combination of copper tubes and aluminum fins that allows cooling the compressed air with low pressure drop and minimal energy consumption.

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WATER SEPARATOR

Equipped with water separators to remove the condensed liquids from the compressed air after the cooler. The separators are of a centrifugal type spinning the air at high speed to achieve separation. The centrifugal separator installed at the Aftercooler outlet.

DRAIN

Equipped with a float drains to release condensed liquids (water and contaminants) out of the compressed air flow circuit.

MOUNTED THERMOMETER

Models ABC-180P to ABC-750P are equipped with a thermometer to verify the performance of the aftercooler.



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