

Technical Data Sheet

Air Cooled Aftercooler



Note: Read and follow the Blastline After Cooler operations manual and provide proper training for all users of the device in order to achieve a safe and effective operation.



Description

Air cooled compressed air aftercoolers cool the compressed air with atmospheric air. There are four different models available for Blastline Air Cooler namely BL-450, BL-600, BL-1000, BL-1600. The compressed air is cooled to approximately 9°C above ambient temperature. A sufficient capacity aftercooler can take up to 80% of the moisture present in the compressed air. The BL Series is a complete aftercooler package designed to work on most models of rotary air compressors. To select the appropriate model, simply determine compressor horse power and select model from the chart.

Features

- Coils are designed for maximum heat transfer with minimum compressed air pressure loss.
- Heat transfer is maximized by heavy gauge corrugated aluminum fins that increase cooling air turbulence.
- Fin spacing allows uniform air distribution while resisting dirt accumulation.
- Fan blades are made of Polypropylene aluminum.
- Fan blades are balanced for vibration free operation.
- Fan motors are chosen for extended service life and low maintenance requirements.
- All models feature sturdy, corrosion resistant housing with strong steel legs for floor mounting.

Application

Aftercoolers are an important component in any system that uses compressed air. Compressed air is very hot and may pose a fire hazard to downstream equipment. Aftercoolers are also important for cooling a supercharged engine.

Specification

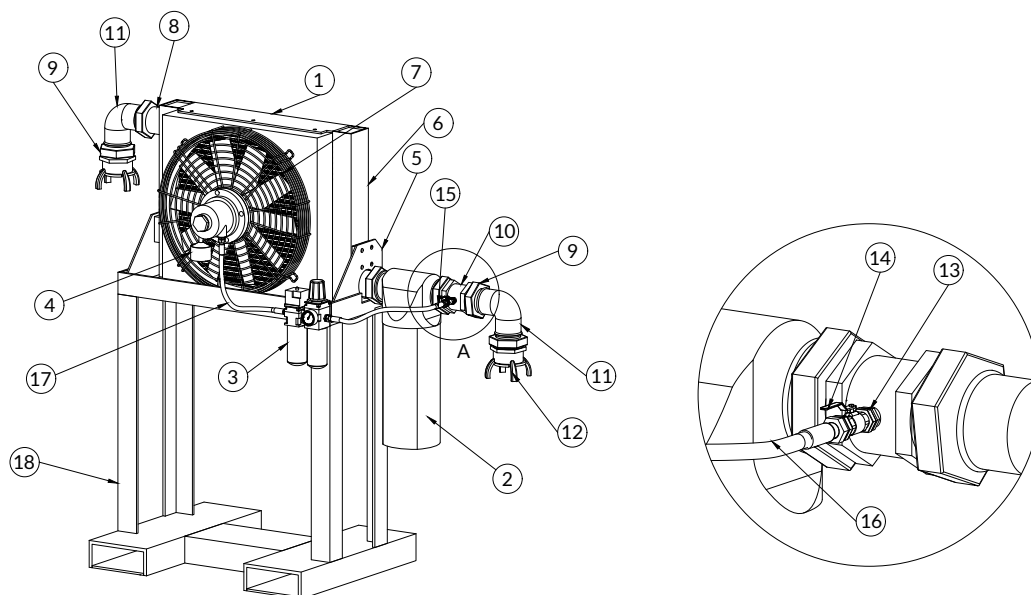
Maximum working pressure : 250 PSI
Maximum working temperature : 121°C

Product details

Model number	Internal airflow maximum CFM	Air compressor horsepower
BL 450	539	50-75 HP
BL 600	785	100-1250HP
BL 1000	1569	150-200 HP
BL 1600	2300	225-350 HP

Materials

Cooler	Aluminium
Shroud	Powder painted steel
Fan guard	Zinc plated steel
Fan blade	Polypropylene blades aluminium hub
Mounting brackets	Powder painted steel



Detail 'A'

Figure 1

Parts List

Item	Part no.	Description	Qty
1	AC-700001	Radiator	1
2	AC-700002	Moisture separator	1
3	AC-700003	FRL unit	1
4	AC-700004	Air strainer	1
5	AC-700005	Radiator support	2
6	AC-700006	Inlet-outlet channel	2
7	AC-700007	Fan & fan guard assembly	1
8	AC-700008	Inlet-outlet nozzle	2
9	AC-700009	Hex nipple	6

Item	Part no.	Description	Qty
10	AC-700010	Tee	1
11	AC-700011	Elbow	2
12	AC-700012	Blast hose quick coupling	2
13	AC-700013	Hex nipple	5
14	AC-700014	Ball valve	1
15	AC-700015	Hose connector	4
16	AC-700016	Hose	1
17	AC-700017	Tube	1
18	AC-700018	Leg assembly	2