



## Cooling Systems: Intercoolers, Aftercoolers, Hoses, Thermostats

### Technical Information Bulletin - #2

**This technical bulletin is designed to provide more information about the best practice compressed air system recommendations made during your recent service.**

#### Best practice cooling system replacement schedule

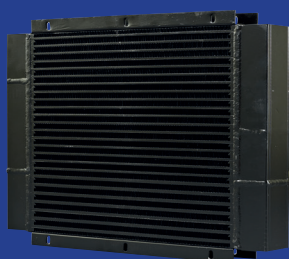
The lifespan of your compressor's cooling systems depends on their operation and maintenance, however your compressor's intercooler should be cleaned regularly and checked for leaks.

#### Benefits of maintaining your compressor's cooling system elements on schedule

The cooling components of your compressor help control the temperature of both the system and the air it generates, so it's important to maintain these elements according to your compressor's maintenance schedule. Wear and tear is part of hard working machine, and looking after these components according to best practice recommendations, will significantly reduce damage to your compressor.

#### Risks of not maintaining your cooling components on schedule

It is important to maintain your compressor's cooling system elements as recommended to avoid the following risks: higher operating and air temperatures; reduced air density and pressure; moisture build up in the system; wasted energy; higher energy costs; and reduced efficiency and capacity.



#### Why have new cooling system components been recommended?

New cooling system components have been recommended because your existing components either:

- exceed the best practice operating hours recommended by your compressor manufacture, or
- show specific signs of failure or compromised operations.

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### How can you prolong the life of your compressor's cooling systems?

There are a number of ways to prolong the life of your compressor's cooling systems:

- Regular servicing, cleaning and inspection
- Monitoring and addressing overheating, reduced pressure or moisture build up issues
- Replacing worn parts including thermostats and hoses
- Following your manufacturer's maintenance schedule.

Your NPS service technician has the experience and technical knowledge to help maximise the life of your compressed air system.

### More information

Our service team is always happy to provide more information or talk through our best practice recommendations for your compressor.

Call us on [1300 290 638](tel:1300290638) or email [info@nesscopressure.com.au](mailto:info@nesscopressure.com.au) for more information.

### About your compressor's cooling systems

Industrial air compressors generate a lot of heat, so a cooling system is needed to remove excess heat during the air compression process.

A compressor intercooler is designed to cool the compressed air produced, restoring it to near environmental conditions.

The aftercooler draws in compressed air and removes moisture through condensation, lowering process temperatures.

Hoses move the air through the system and the thermostat helps maintain a consistent temperature of the compressed air.

