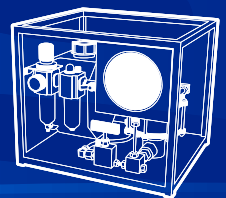
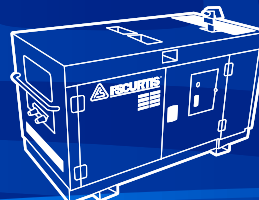
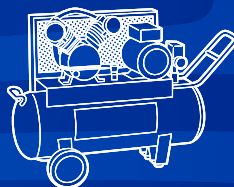
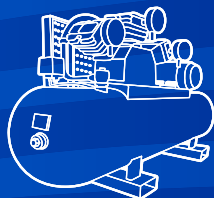
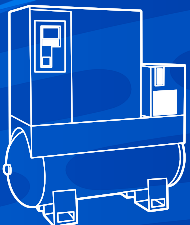


# COMPRESSED AIR SERVICING





## About us

Nessco Pressure Systems provide their customers with expert advice and service. The team is fully equipped for all makes and models of air compressor systems of various sizes and configurations providing servicing, repairs and replacement options.

When you choose Nessco Pressure Systems, you can be confident you are choosing a company who take the time to offer the full service. Our staff will start with an initial consult with the client resulting in a system design based on maximised energy saving and optimal flow pressure performance. This is followed by the supply and full installation of the product as well as after sales support including post installation audits and efficiency testing.

NPS supplies and services diesel compressors, electric screw compressors, piston and oil free compressors, receivers, dryers and filtration. We provide a turn key solution to each customer's requirements through consultancy, system design, sales and installation.

Our reputation as a trusted manufacturer and installer of pressure systems within the local community has seen NPS work not only with reputable local Perth companies but also with multinational corporations.

NPS has a strong presence in a number of industries within WA. These industries include:

- ✓ Fabrication
- ✓ Manufacturing
- ✓ Mining
- ✓ Kitchen and cabinet making
- ✓ Automotive
- ✓ Medical
- ✓ Food and beverage
- ✓ Construction
- ✓ Fishing
- ✓ Agriculture and viticulture
- ✓ Chemical processing

## Contact us

For more information on Nessco Pressure Systems, contact us today and talk to one of our representatives

By Phone: **(08) 9333 4999**

Monday - Friday: 7AM - 5PM

Saturday: 8AM - 12:30PM

By Fax: **(08) 9333 4900**

By email: [info@nesscopressure.com.au](mailto:info@nesscopressure.com.au)

Or visit our website at [www.nesscopressure.com.au](http://www.nesscopressure.com.au)



## Peace of mind service

At NPS, we offer a complete service - from initial consultation, through to post installation audits, efficiency testing and support. We take the time to learn about your business in order to provide you with the best advice possible. Our factory trained service technicians have over 30 years experience in the WA compressor industry, and have experience with all makes and models of compressors including oil flooded screw and piston compressors, oil free piston compressors, scroll and water cooled screw compressors as well as diesel and petrol models.



## Energy efficiency

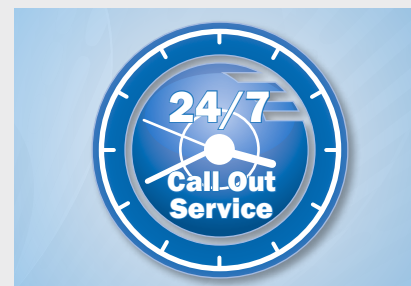
NPS can tailor a complete system design based on maximised energy savings, with optimal flow/pressure performance. The high degree of sealing and the fine tolerances used in our compression elements guarantee even in small power ranges:

- ✓ Greater yield
- ✓ High efficiency
- ✓ Long life and reliability
- ✓ Lasting performance



## Same day response

NPS service personnel are strategically placed to offer a speed of response unrivaled within our industry. Our approach to service is simple; we strive for ultimate customer satisfaction, achieved through superior workmanship, dedication, honest communication and guaranteed same day response.



## 24/7 call out

NPS has a team of dedicated on-road fully certified factory trained service technicians, servicing right across Perth and WA, 24 hours a day, seven days a week. The NPS service team strive to deliver a personalised service to you and your business that is always on-hand, complete with fully stocked, mobile service vans, service dryers, filter and ancillary equipment and standby machines at the ready.





# Total Compressed Air Systems Supply, Installation & Maintenance

1

Compressed air testing to breathing air standard AS NZS 1715-2009



2

High flow rigid aluminium pipe system



3

Air filter replacement program keeping your air system clean & energy efficient



4

Dryers, oil water separators & automatic drains




5

Pressure gauge & safety release valve NATA certification & testing



6

Air receiver registration inspection & certification with worksafe AS1210



7

Energy efficient variable speed compressors & compressed air audits



8


Comprehensive maintenance program, mobile service technicians








1.




Pressure Relieve Valve

2.




Inspection Hole

3.




Last Inspection Date & Information

4.




Pressure Gauge

5.



Receiver Registration Document

6.



Drain Valve

Receiver Inspection & Registration

Pressure vessels used in the workplace can be potentially dangerous, with the risk of causing property damage, injury and even fatality if not suitably maintained. It is therefore essential to properly install and service receivers, ensuring that all equipment complies with the relevant AS standards and Worksafe WA regulations.

Under Occupational Safety and Health Regulations 1996 requirements and AS/NZS 3788:2006, registration and routine 2 yearly inspection of pressure vessels is necessary in order to assess safety and to detect any dangerous deterioration.

Please see below requirements;

- ✓ **Air Receivers** should be selected so the design pressure is more than or equal to the maximum working pressure used throughout the workplace.
- ✓ NOTE: The design pressure is the maximum pressure under which the air receiver is designed to work.
- ✓ Must be fitted with a safety (pressure) relief valve, a pressure gauge, a drain valve and inspection hole or cover. In addition, holes of suitable sizes and locations used for fitting pipes or other devices may be used for inspecting inside the vessel. This may be the only means by which smaller vessels can be inspected that do not have dedicated inspection holes or covers. Periodic inspections should only be carried out by someone qualified to perform this work.
- ✓ **Pressure Relieve Valve** activates and releases air from the air receiver if the pressure reaches the design pressure of the air receiver. This reduces the risk of a failure of the air receiver due to high pressure.
- ✓ The release pressure is set by the manufacturer and the valve is usually sealed so it cannot be tampered with by people who are not competent to service valves.
- ✓ The set pressure of the relief valve must never exceed the design pressure of the air receiver.
- ✓ Usually parts of the valve are made from material such as bronze or brass which greatly reduces the chances of mating parts sticking together due to corrosion or dirt and dust build up. Sticking can prevent the valve from opening when needed in the event the pressure increases above the set pressure.
- ✓ The valve must incorporate a mechanism to test whether the valve is free to open and will reset correctly. Testing is usually done by pulling a lever or a pull ring.
- ✓ **Drain valves** come in two types—automatic drain systems and manual drain valves. These must be located at the lowest point of the receiver to evacuate all condensate.
- ✓ The purpose is to drain any water condensate in the vessel to minimise corrosion that could occur on the inside of the air receiver. Corrosion can cause the walls of the air receiver to become thin, which in extreme cases can lead to a rupture or explosive failure of the air receiver.
- ✓ **Control Measures** ensure compressors and air receivers are regularly maintained and inspected by a competent person. Air receivers require both external and internal inspections at suitable intervals. Seek advice from the manufacturer or a competent pressure vessel inspector.
- ✓ Never tamper with the relief valve, unless fitted with an automatic drain valve, drain water condensate daily by opening the drain valve, typically when switching off the compressor at the end of the day.
- ✓ Regularly inspect automatic drain valves as recommended by the manufacturer.
- ✓ Periodically test that the relief valve release mechanism can move freely (e.g. monthly).
- ✓ Never direct compressed air at a person as the air can penetrate the skin and cause significant health issues.
- ✓ It is not recommended to use compressed air for cleaning, especially if there are other people in the vicinity. However, if required to use air, use low pressure and wear eye protection.
- ✓ Fixed compressors and air receivers should be secured in accordance with the recommendations of the manufacturer or of a competent person. The bolt down requirements should be covered in the installation manual.
- ✓ **Registration Requirements** - As per Occupational Safety and Health Regulations 1996 along with AS/NZS 3788:2006, registration of pressure vessels is mandatory in order to assess safety and to detect any dangerous deterioration.

Nessco Pressure Systems offer a team of technicians fully qualified to perform receiver inspections and registrations in line with Occupational Safety and Health Regulations 1996 requirements and AS/ NZS 3788:2006 guidelines. During a receiver inspection, one of our experienced technicians will conduct a thorough assessment of your air receiver and associated parts, offering solutions that ensure equipment durability of the highest safety.



Your Compressor, Our Care

We have the experience and capability to service all types of compressors and air systems.



OUR GUARANTEE

Compressed air testing to AIR breathing standards AS NZ 1715-2009

**FREE CALL**  
No call out charge to service agreement customers between services\*

With an Infinity compressor care service plan, you get significant savings.

**Same Day Response**  
Same day response priority given over non-agreement customers\*

Certified receiver inspections and registrations to make sure your equipment is work safe compliant

**1 Month Resale Warranty**  
Maximized resale value through full service history, with one month resale warranty

Reduced electrical cost via correct pressure control and leak detection

**FULL COVER**  
New and existing equipment covered

**Insured & Warranted**  
Fully insured and warranted work from factory trained engineers

**24/7 Call Out Service**  
24 hours 7 days a week call out facility\*

\*Excluding regional areas

NPS Compressor Care

A unique service plan designed to offer complete peace of mind for your compressed air system.



“The commencement of business at our new purpose built facility in Welshpool marked a significant milestone in the history of our company. A relocation of this size is a major undertaking, and is not a project we could take on without significant support from external contractors and suppliers. We thank Nessco Pressure Systems for the role they have played in helping us achieve what has been an extremely successful move.”

**Welshpool window manufacturer**  
- Managing Director

“After using LH Airtools now Nessco for over ten years it was time to upgrade our compressed air system. Nessco Pressure Systems carried out a full factory audit before recommending the size and type of compressor we should use. The new system incorporated variable speed drive compressors, combined with standard compressors offer excellent energy savings, plus dryer, filters and receiver. NPS carried out a complete turnkey installation.”

**Kewdale beverage manufacturer**  
- Facilities Manager

“The world’s leading manufacturer of mine refuge systems, moved to Welshpool, Perth. The company required not only a new compressor system but also a compressed air ring main design and installation. NPS carried out the complete project and supplied all parts and labour. They also offer compressed air purification testing, providing certification. Safe to breath compressed air is extremely important in our industry.”

**Welshpool mining equipment supplier**  
- Workshop Manager

OUR PEOPLE

A COUPLE OF OUR SPECIALISED SERVICE TEAM



**TONY BARBOUR**  
Tony is a fully qualified fitter, turner and machinist by trade, having served his apprenticeship in a marine engineering pressure workshop. He has worked in the industry for 20 years, nine of which he spent operating his own compressor business. Tony comes with a vast amount of experience and expertise.



**OTTO SCHATZ**  
Otto is a fully trained motor mechanic, having received his qualifications with VW Porsche in Germany. With over 15 years experience in the mechanical industry as an owner operator, Otto has been with NPS for seven years and comes with highly recommended service knowledge on all types of compressors.



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