

COSSD PRODUCT CATALOGUE

for



"Total Compressed Air Solutions"

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"Total Compressed Air Solutions"

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Who are we?

Northwest Equipment is the largest supplier of compressed air equipment and services in Western Canada.

We are innovators in the compressed air arena, working tirelessly with engineers and clients to customize products to meet the unique and varied needs of our customers. We strive to be environmentally responsible, seeking solutions that enhance the energy efficiency of our systems.

As the authorized distributor for several leading air product manufacturers, we sell and support a full line of compressed air products to the oil and gas, industrial and manufacturing sectors.

"Our strength lies in the depth and expertise of our principles and long-standing employees, who have many years of combined experience in the air compression and vacuum business. Northwest Equipment Ltd. has factory certified technicians to provide 24/7 on-site support for all compressed air products."

What DO we DO?

We provide custom compressed air solutions to clients in a variety of sectors. Our solutions span a variety of applications, from vacuum to 6000 psig.

Products and services include, but are not limited to:

Instrument Air Packages
Industrial Compressed Air
On site Nitrogen Generation Systems
Forestry & Mining
Breathing Air for Fire, Scuba and Scott Packs

Air Drying and Filtration
Blower & Vacuum Systems
Service, Parts and Installations
Custom Packaging
International Projects



We're here for you...

Northwest Equipment Ltd. has factory trained service technicians ready to provide 24/7 support on all brands of compressed air products. If you want the job done right, contact Northwest Equipment today...

Preventative Maintenance

We service all makes and models of equipment, adhering to regular maintenance schedules to help you meet warranty requirements, reducing downtime and keeping your operation running efficiently. Our on-site service helps to maximize warranties by bringing our service technicians to you, whether you're in the city or in the field.

Custom Fabrication

Northwest Equipment can custom fabricate various types of compressor packages including but not limited to; instrument air, start air, industrial air, nitrogen generation and VRU. We can tailor your specific application needs including footprint, area classification, flows and pressure. We work with you to determine exactly what your needs are and deliver a product that is right for you.

Technical Sales Staff

Our sales staff are factory trained on all of our products and can provide you with a number of solutions to your compressed air challenges.

Audits

The savings that can be realized from doing a simple air audit are immeasurable. Qualified staff will come in and examine your facility visually as well as using specialized tools such as a sonic gun (to locate leaks), a data logging system (to determine energy consumption), and in turn will make recommendations based on their findings. A proper audit cannot only save you money and increase the life of your equipment, but it can also reduce your carbon footprint.

Additional Services:

truck Preventative Maintenance Programs

Rebuild Facilities for Compressors and Blowers

Complete Plant Air-Audits

Turn-key Installation and Commissioning Services

Authorized Warranty Depot for an Extensive Range of Products

Custom Packaging, including Engineering, Design and Project Management

ABSA Registered and Certified for B31.3 Piping Systems

OEM & Aftermarket Parts for Most Compressed Air Equipment Brands

24/7 Parts and Emergency Service



Instrument Air Package

An Instrument Air Package consists of all the necessary equipment – air compressors, air receiver, air dryer and air filtration – to enable the supply of instrument quality air to a facility. Instrument quality air must be free of contaminants and water vapour, and should conform to the international ISO standard for compressed air quality.

These standards are:

Maximum Number of Particles	0.1 – 0.5 micron/m ³
Oil Vapour	0.1 – 0.01 mg/m ³
Water Pressure Dewpoint	-40 – -60 degrees C

Components of the Typical Package:

1. Air Compressors – Facilities are dependent upon instrument air to maintain their operation. Accordingly, most Instrument Air Packages include two compressors – one operating – the other a redundant standby.
2. Air Receiver – An Air Receiver stores compressed air to provide additional capacity when required.
3. Air Dryer – An Air Dryer removes water vapour from the compressed air to ensure that no water will condense from the air when used. The typical pressure dewpoint range is -40 to -100 degrees C.
4. Air Filtration – Filters are required to remove oil vapour and particulates from the air stream.
5. Heated Enclosure – The completed air compressor package is usually installed in a self-framed, heated enclosure.

Examples – Typical Packages

Size – HP	Air Compressor Options	Air Dryer	Air Receiver – Gal	Air Filtration
2 – 5	Reciprocating, Rotary Vane, Rotary Screw	Heatless Regenerative Air Dryer	60 – 120	Oil Coalescing & Particulate Removal
5 – 30	Reciprocating, Rotary Vane, Rotary Screw	Heatless Regenerative Air Dryer	120 – 400	Oil Coalescing & Particulate Removal
30 – 300	Reciprocating, Rotary Vane, Rotary Screw	Heatless Regenerative Air Dryer	240 – 2000	Oil Coalescing & Particulate Removal



Industrial Air Compressors

Northwest Equipment Ltd. has a wide range of industrial air compressors available in stock or with short deliveries. We can supply you with 2 HP through 330HP in recip, screw, vane or scroll technology. We also have all the accessories to go with your air compressor including air receivers, dryers, filtration, water/oil separators, drains and all the parts to support these key components.

Are you finding your energy bill climbing each year? Why not bring one of our qualified service technicians in to do a full air audit or maybe a lower scale investigation using some of our other devices such as data loggers or sonic guns. Data loggers will determine energy losses through power consumption (compressors turning on when they shouldn't be) and our sonic guns will determine energy losses through air leaks in your piping systems. Together this can add up to thousands of dollars per year in unnecessary energy cost.

With a variety of HP and technologies available we are sure you will find that Northwest Equipment Ltd. can supply whatever you need to solve your air compression challenges!

Contact our Sales Department today for a quote on any of our products and services.

Breathing Air Compressors

Northwest Equipment Ltd. is western Canada's largest supplier of MAKO Breathing Air Compressors and related breathing air equipment. As the only authorized distributor of MAKO products, we can offer you MAKO Breathing Air Compressors that range from 10-200 CFM and from 2500-6000 PSI. We also offer MAKO fill stations and MAKO replacement parts. We offer service and parts capabilities for all MAKO machines new and old. If initial capital costs are an issue, we can offer leasing services that can accommodate any scenario.

Northwest Equipment Ltd. also offers 24/7 parts and services for your MAKO products with a full staff of factory trained and certified technicians to assist you. We have been supplying and serving the Fire, Scuba, Safety and Oil and Gas industries for more than 30 years.

Contact our Sales Department today to get more details on how Northwest Equipment Ltd. and MAKO together can solve all your breathing air challenges – safely and economically.

Nitrogen Generation

Why buy nitrogen when you can produce your own for a fraction of the cost?

Northwest Equipment Ltd. has been very successfully selling, servicing, manufacturing and installing nitrogen generation systems into western Canada for over 3 years. We saw an opportunity to compliment our existing air compression business with nitrogen generating systems so we partnered up with Houston based Generon (IGS) and it has taken off. Our focus was on the Oil and Gas industry, however because of our strong presence in the industrial markets, we have expanded our offering to all industries and customers that may require nitrogen generation systems of their own rather than paying exorbitant costs to have a third party come to their facility to fill tanks.

Northwest Equipment Ltd. can supply turn key products through complete system design to complete system installation. After sales service and parts is also available on a 24/7 basis.

Please contact our Sales Department today to get a quote on your own nitrogen generation system.

Blowers & Vacuum

Northwest Equipment Ltd. is the exclusive Canadian Representative for Tuthill Blowers and Kinney Vacuum Systems.

Air Blowers

For more than 60 years, M-D Pneumatics rotary air blowers have provided dependable service to a myriad of industries worldwide.

Gas-tight Blowers

The benchmark in the gas handling equipment, M-D Pneumatics gas-tight blowers provide reliable, oil-free handling of process or utility gases.

Vacuum Boosters & Pumps

Vacuum boosters are used to “supercharge” vacuum pumps to greatly extend pump performance. This allows for much faster pumping speeds and deeper vacuum levels. M-D Pneumatics vacuum boosters from Tuthill Pneumatics Group are utilized worldwide in the manufacture of chemicals, petrochemicals, plastics, semiconductors and wood composites as well as food processing, vacuum furnace applications and many other general applications in industry.

Air Dryers

Refrigerated Air Dryers

CompAir’s refrigerated air dryers lead the way in providing exceptional value to their customers. The flexibility engineered into every CompAir refrigerated air dryer allows you to satisfy your air quality requirements with a single package. CompAir refrigerated air dryers provide dew points up to 38°F.

Our refrigerated product lines include proven, high quality components, superior dew point performance, built-in air filtration unmatched in the industry, and savings through energy efficient designs.



Non-Cycling
CNC Series
10-3,000 scfm
Ensures 38°F dewpoint
Four levels of controllers



Digital Scroll
CSD Series
800-3,000 scfm
Energy efficient, digital scroll technology
38°F dew point stability



High Pressure
CHP Series
30-3,000 scfm
700 psig maximum working pressure
Built-in filtration



Air Dryers Continued



Cycling
CES Series
90-675 scfm
Energy Saving
ISO 8573.1 air quality built-in



High Temperature
CHT Series
20-125 scfm
180°F maximum inlet temperature
Maintains 50°F pressure dew point



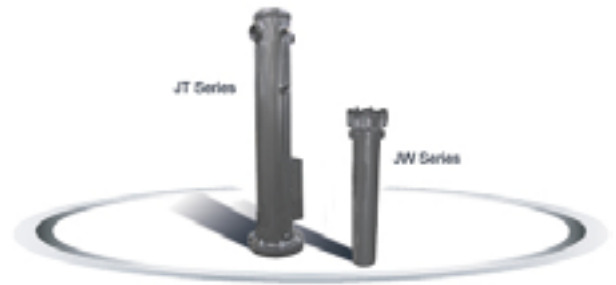
High Capacity
CHC Series
2,000-20,000 scfm
Custom engineered
Integrated filtration

Desiccant Air Dryers	Dewpoint Provided (degrees Celsius)	Drying Capacity (CFM)	Principal Advantage
Heatless regenerative air dryers	-40 – -100	15 – 3000	Provides Instrument quality air

Air Filtration

Air filters remove the bulk of all liquid contaminants, solids, oil aerosol and mist from the compressed air stream.

Choose the right filter for your application:



Model	Application	Filter Capacity – CFM
JW Series	Standard Industrial Service	15 – 300
JT Series	Standard Industrial Service	400 – 1600
JL Series	Heavy Duty Industrial Applications	300 – 9000
Mist Eliminator	Standard industrial 15 year element life. Low pressure drop	125 – 10,000
TWA series	Standard industrial Activated carbon bed for oil-free air	18 – 6000

