

**Gardner**  
**Denver**

UP TO 6,000 PSIG | AIR & GAS

# High Pressure Overview



# High Pressure Reciprocating Compressors

## What is High Pressure?

High pressure reciprocating compressors from Gardner Denver are designed to deliver discharge pressures up to 6,000 psig and flows from 3 to 1,850 scfm. Gardner Denver has become a leading supplier of premium high pressure reciprocating compressors by positioning Belliss & Morcom and Reavell products into high pressure industries across the globe. Whether you need oil-free or oil-lubricated compression, Gardner Denver has the product to satisfy your high pressure needs.

## Which product fits my need?

Belliss & Morcom oil-free reciprocating compressors offer the VH and WH Series which provide reliable operation, low installation costs, exceptional performance and low power consumption. The VH Series delivers 290 to 650 psig and flows from 247 to 825 scfm and the WH Series delivers 290 to 650 psig and flows from 951 to 1,850 scfm.

Reavell oil-lubricated reciprocating compressors offer the 5200, 5300 and 5400 Series which provide a compact design to limit installation costs, convenient serviceability, low vibration and noise levels and numerous cylinder configurations to fit your application needs. The 5200 Series delivers 145 to 725 psig and flows from 3 to 171 scfm, the 5300 Series delivers 580 to 1,233 psig and flows from 20 to 91 scfm and the 5400 Series delivers 36 to 6,000 psig and flows from 3 to 941 scfm.

## Key Product Features

- High energy efficiency levels
- Low installation costs
- Compact arrangement (direct drive or v-belt)
- Low vibration and noise levels
- Individual stage cooling and separation
- Air-cooled and water-cooled units available
- Low life cycle costs



## HIGH PRESSURE PRODUCT SUMMARY

PRODUCT	MODELS	PRESSURE		FLOW		MOTOR POWER		COMPRESSION STAGES	COMPRESSION TECHNOLOGY	COOLING
		PSIG	BARG	CFM	M <sup>3</sup> /HR	HP	KW			
Belliss & Morcom	VH Series	290-650	20-45	231-862	428-1466	125-350	90-260	3	Oil-Free	Water
	WH Series	290-650	20-45	951-1,850	1,617-3,147	375-737	280-550	3	Oil-Free	Water
Reavell	5200 Series	145-725	10-50	3-171	5-291	4-100	3-75	2	Lubricated	Air or Water
	5300 Series	580-1,233	40-85	20-91	34-156	15-60	11-45	3	Lubricated	Air or Water
	5400 Series	36-6,000	3-414	3-941	5-1,600	5-335	4-250	1-6	Lubricated	Air or Water



## Industries & Applications

For over 150 years, Gardner Denver has serviced many applications for high pressure products across numerous industries. When there is a requirement for high pressure compressed air or gas, Gardner Denver has the product to supply. Through the use of Belliss & Morcom and Reavell reciprocating compressors, Gardner Denver can service over 250 different applications in many industries across the globe.

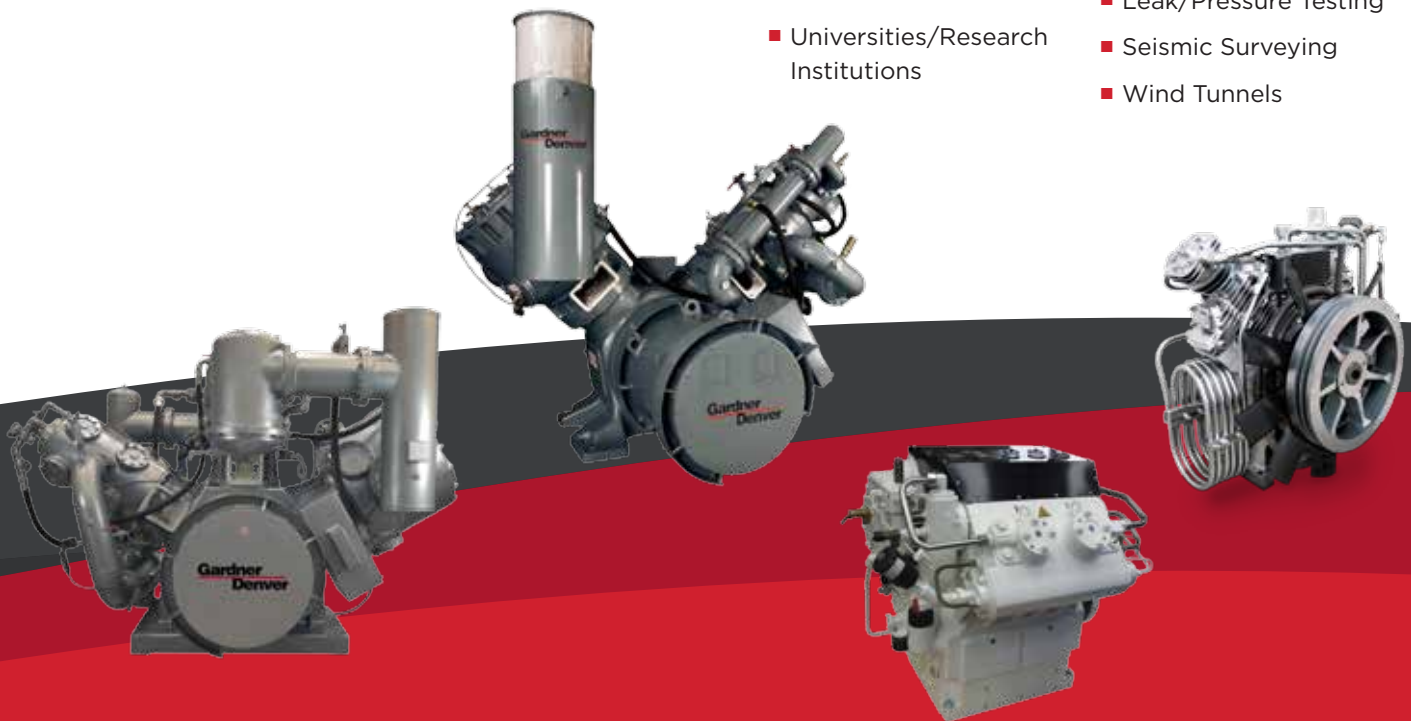
With advanced research and development, dedicated and experienced personnel, undivided attention to high-quality engineering and world-class manufacturing facilities, Gardner Denver is ideally positioned to deliver outstanding high pressure reciprocating compressor products to serve our customers.

### Industries at a Glance

- Aerospace
- Bio-Gas
- Defense/Marine
- Electronics
- Food & Beverage
- Mining
- Offshore
- Oil & Gas
- Packaging
- Power Generation
- Universities/Research Institutions

### Applications at a Glance

- Autoclaves
- Compressed Natural Gas (CNG) Filling Stations
- Cylinder/Tank Filling
- Engine Starting
- Gas Service/Recovery
- Hydro Power "Pump-Storage" Plant
- Laser Cutting
- Leak/Pressure Testing
- Seismic Surveying
- Wind Tunnels



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**Gardner Denver, Inc.**

1800 Gardner Expressway  
Quincy, IL 62305  
866-440-6241

[www.gardnerdenver.com/gdproducts](http://www.gardnerdenver.com/gdproducts)



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