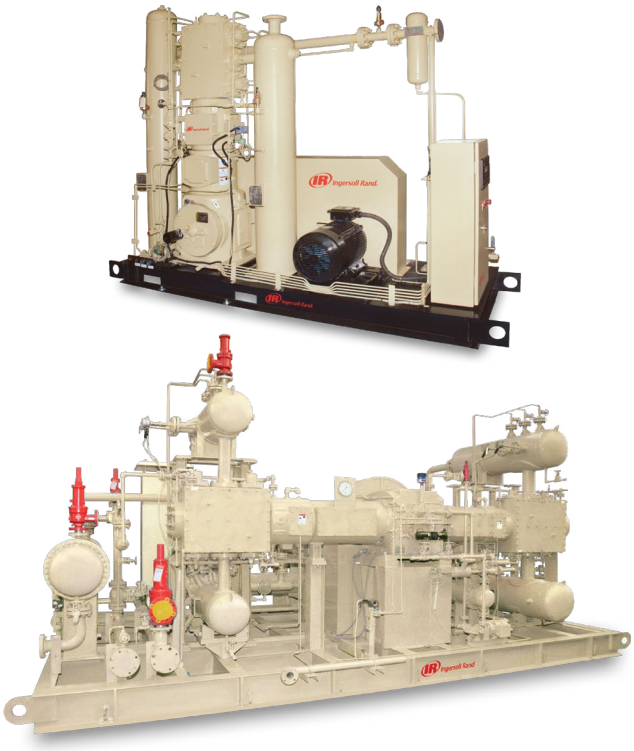
Large Reciprocating Boosters

Reciprocating Oil-Free Air Compressors
15-300 kW



Specialized custom-built packages for high pressure air & Nitrogen applications

Ingersoll Rand offers an extensive range of high-pressure reciprocating compressors that are tailor made to boost air / nitrogen to higher pressures required for many process applications.

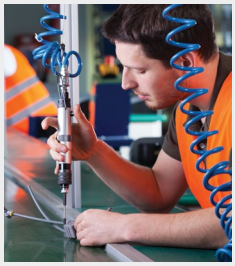
Ingersoll Rand ESV and PHE booster compressors provide coverage of applications in the 20 to 400 hp (15 to 300 kW) range. Discharge pressures as high as 1500 psig (102 barg). Pressure and flow dependent upon Inlet conditions and compression ratio. Whatever the high-pressure needs may be, Ingersoll Rand's commitment to total quality is reflected in the manufacture of every ESV and PHE compressor.

Learn More about Our Large Reciprocating Compressors

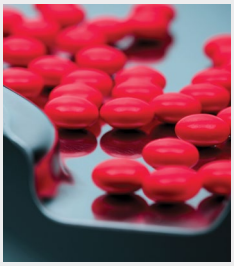
Benefits

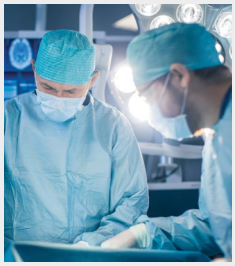
- **Robust Frame & Air End Design:** Uniquely suited for high pressure booster services.
- **High Complexity customized packages:** We can customize multiple range of Booster offerings specific to fit any customer applications.
- Rugged frame designed for long life. Cast iron cylinder design which can accommodate very high operating pressures.
- Air Cooled & Water-Cooled options available based on the customer requirements.
- Non-lubricated 100% oil free, continuous duty cycle rated.
- All internal components and piping are corrosion protected for extended life.
- Type B Distance pieces feature two compartments, ensuring the lubricant is isolated from the cylinders.
- Pre-programmed Logic controller-based control panel, with IP54 protection.
- Auto drain trap with bypass arrangement.
- Support API-618 compliance for air & Nitrogen applications.
- Ingersoll Rand Booster compressors are manufactured using highest standards ensured by ISO 9001-certified Quality Management System.


Automotive


Manufacturing


Chemical


Pharmaceutical


Healthcare

Large Reciprocating Boosters Reciprocating Oil-Free Air Compressors Performance

Frame	Stages & Throw	Power Range hp	Flow Range cfm	Inlet Pressure Range psig	Discharge Pressure Range psig
ESV5	Single stage Single throw	20-35	80-600	80-350	250-500
ESV7	Single stage Single throw	20-75	300-1400	80-350	250-600
PHE7	Single stage Two throw	125-225	400-1200	80-350	250-1000
PHE7	Two stage Two throw	125-225	350-1100	80-350	400-1200
PHE9	Single stage Two throw	225-400	1800-4000	80-350	250-1000
PHE9	Two stage Two throw	225-400	1500-2600	80-350	400-1500

* Pressure & flow dependent upon inlet conditions and compression ratio. Please contact Ingersoll Rand for detailed application support and information

The CARE Service Program Advantage

Compressed air is critical to your operation. A proper maintenance strategy is crucial to avoiding unplanned, unbudgeted downtime and production interruptions. By choosing an Ingersoll Rand CARE service program, you are investing in your future with a trusted partner.

Depending on your reciprocating air compressor system maintenance requirements, choose from one of these two programs. Each program includes genuine OEM parts that eliminate inferior performance caused by generic parts that will cost you more in the long run.

Ingersoll Rand

IngersollRand.com

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