

# Air Compressor

## Rotary Screw Compressors

Geotech offers an oil lubricated, rotary screw air compressor to provide positive air pressure for powering pneumatic equipment as well as for continuous use applications such as air sparging.

### Rotary Screw Air Compressor General Principle

In a rotary screw compressor, air enters the compressor and is trapped between male and female rotors and compressed to the required discharge pressure. Perhaps the most popular type of positive displacement compressors today, the Rotary Screw Air Compressors offer high efficiency at full and part load applications, low installation costs, low noise levels, and 100% duty cycles. For all your compressed air needs.

### FEATURES

- Integrated, Single Stage Rotary Screw Air Compressor
- On Line / Off Line Control
- 3 Phase, 60 Hz, 1.15 Service Factor Epact Motor, TEFC motor
- OSHA Approved Belt Guard
- Heavy Duty Radiator Type Air/Oil After cooler
- Moisture Separator and Trap
- Easy Access Air/Oil Separator Element
- Spin-On Type Full-Flow Oil Filter
- Oil Level Sight Gauge
- Factory fill AEON™ 4000 Rotary Screw Lubricant
- Heavy Duty, Replaceable Element, Inlet Air Filter
- Thermal Mixing Valve for Oil Temperature Control
- Corrosion Resistant Control Line Tubing
- Air / Oil Reservoir Pressure Relief Valve
- Minimum Discharge Pressure Check Valve
- Automatic Blowdown Muffler
- UL Listed and CSA Recognized Electrical Components and Wiring
- Electrical Control Enclosure Including:
  - Mounted/Wired Full-Voltage Magnetic Motor Starter
  - Hour Meter (operating hours)
  - On/Off Selector Switch
  - Quiet Sound Enclosure



### APPLICATIONS INCLUDE

- Sampling Pumps
- Groundwater Extraction Pumps
- Total Fluids Extraction Systems
- Hydrocarbon Skimming Systems
- Air Sparge

### APPLICATION

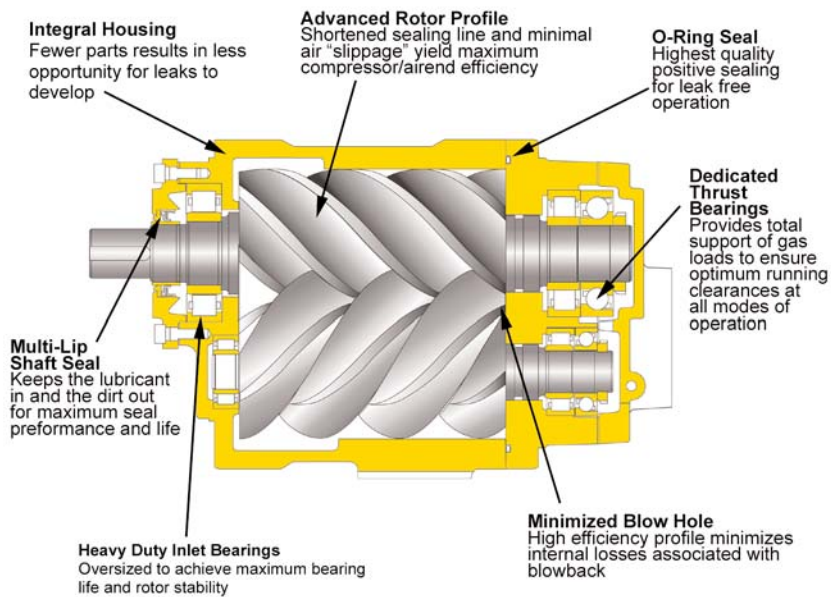
By injecting air directly into the groundwater, the Geotech Air Sparge System remediates groundwater by volatilizing contaminants and enhancing biodegradation. Contaminants are removed from groundwater by physical contact with air and are carried up into the unsaturated zone (i.e., soil). As the contaminants move into the soil, a Geotech provided Soil Vapor Extraction System can be used to remove vapors from the subsurface. Consult Geotech Technical Remediation Specialists for your site specific requirements.

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### SPECIFICATIONS

Model	Horsepower	Working Pressure (PSIG)	Air Delivery (ICFM)
INT-5 EFA	5	100	19
		125	16
		150	15
INT-7.5A EFA	7.5	100	28
		125	25
		150	23
		175	19
INT-10A EFA	10	100	41
		125	36
		150	31
		175	27
INT-15 EFB	15	100	61
		125	54
		150	45
		175	40
INT-20 EFC	20	100	83
		125	75
		150	66
		175	57
INT-25 EFC	25	100	106
		125	96
		150	86
		175	74
INT-30 EFC	30	100	127
		125	116
		150	103
		175	95



**CALL GEOTECH TODAY (800) 833-7958**

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