

Integrated Instrumentation Air Solutions

Offering turn-key air compressor building packages.

Standard packages offer Elgi rotary screw compressors, simplex or duplex units from 4hp up to 20hp. Paired with a Tsunami regenerative air dryer, 6x10 aluminum framed building with insulated (FRP) fiberglass reinforced polyester walls, skid mounted with fork pockets. Includes: double swing access doors, 7' x 3' double half doors, duraluminum roof with 3" overhangs, rain gutters on 2 sides, 4 lifting rings, fixed stationary louver, 12" exhaust fan, electric heater, overhead light & switch, compressor disconnect switches.

Custom packages available on request

Elgi & Tsunami - The Ultimate Combination

IESS has established a reputation for developing custom solutions for the demanding needs here in the Bakken. The field-proven quality of Elgi compressors combined with the unsurpassed performance features of the Tsunami Ultra Dryer system provides end-users with the most economical and reliable dry air for all instrument-air applications. We utilize the same high-quality insulated, ventilated, and portable steel building skid for all our instrument air package

Elgi Versatility

The Elgi EN Series compressors utilize the same space-saving enclosure on units from four to twenty horsepower. This allows us to install either a simplex or a duplex compressor atop the same pressure tank. As such, if your application requires lead-lag redundancy in a duplex configuration or a single unit simplex configuration we've got you covered either way.

Productivity in a Quiet Package

The EN Series compressors deliver superior performance in a compact package. Specifications listed are at 125 psi although unit can be configured at 100, 125 or 150 psi.

Elgi Reliability

Elgi's industry-leading 6 Year Airend/5 Year Package warranty is evidence of their confidence in the reliability built into all their compressors.

Elgi Serviceability

The superior design of the Elgi EN Series compressors features unmatched accessibility when it comes to servicing the machine. All side panels are easily removed in a matter of seconds with convenient latches. The spin-on oil filter and separator are easily replaced, and the belt drive has a 10,000-hour belt life.

MODEL	HORSEPOWER	WORKING PRESSURE	FREE AIR DELIVERED	SOUND LEVEL
EN3	4	125 psi	13.5 cfm	61 dbA
EN4	5	125 psi	19.3 cfm	64 dbA
EN5	7.5	125 psi	26.5 cfm	64 dbA
EN7	10	125 psi	38.5 cfm	66 dbA
EN11	15	125 psi	55.0 cfm	67 dbA
EN15	20	125 psi	68.0 cfm	68 dbA

EN Series Warranty



Package Warranty

- AIREND: 6 Years
- MOTOR: 5 Years
- COOLER: 5 Years
- SEPARATOR TANK: 5 Years
- COOLING FAN: 5 Years
- CONTROLLER: 5 Years
- ULTRACAST: 5 Years
- TEMPERATURE AND PRESSURE GAUGES: 5 Years
- FITTINGS: 5 Years
- CANDY: 5 Years
- VFD: 3 Years
- ELECTRICAL WIRING AND PLASTIC PARTS: 1 Year

YOUR COMPLETE SOURCE FOR AIR



IESS

AIR SOURCE ONE

WILLISTON, ND
IESSINC.COM




The Tsunami Ultra Regenerative Dryer

Tsunami has revolutionized air quality by providing dry compressed air in a compact, easily maintained package with superior performance. The reduced operating costs and efficiency of this system have set new standards industry-wide. Compared to twin tower drying systems, the Ultra Dryer eliminates many of the problems associated with the use of desiccant. The Tsunami regenerative dryer system uses proprietary technology with a molecular sieve desiccant under spring pressure to eliminate contamination which subsequently requires no post-filtration. The PLC actuates the regeneration cycle of the dryer every two minutes to maintain a -40°F dewpoint with capabilities to -80°F should the application require it. In addition, the relatively small footprint of this dryer system allows for the system to be tank-mounted with two, three or four towers depending on the required flow requirements of the compressor.

Maintenance

Under normal operating conditions the tower will last approximately three years. Minimal maintenance involves replacing the oil coalescing elements every six months and periodic lubrication of piston assemblies. The Tsunami Ultra Dryer is supported by a 3-year warranty against defects in workmanship and materials.

Energy Saver Feature

The optional Energy Saver Feature utilizes a signal from the compressor to actuate the programming in the PLC to complete a regeneration cycle upon the compressor entering a standby mode. This shuts the dryer down thereby saving additional energy consumption and unnecessarily continuing the compressor runtime.

