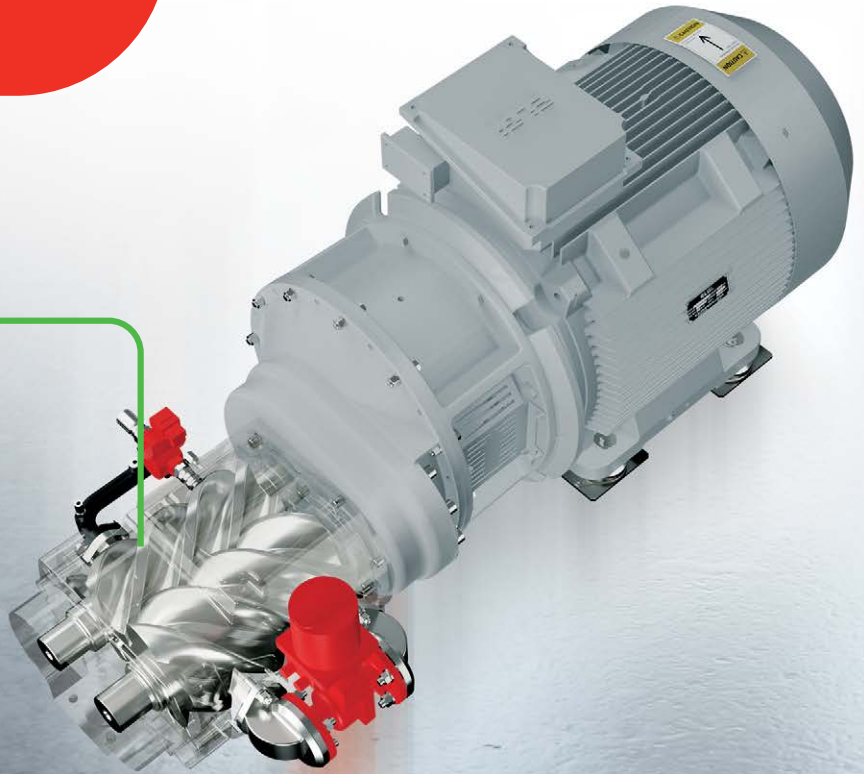


DEMAND=MATCH

Saves Like VFD. Costs Like Fixed.



ENERGY SAVINGS
Up to 17%



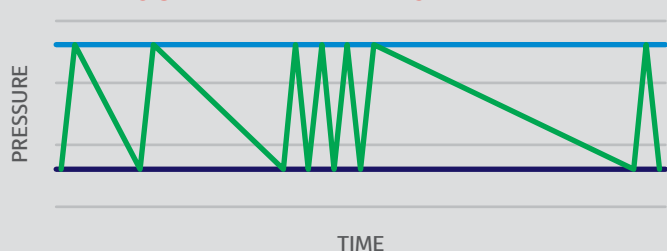
CURRENT INDUSTRY CHALLENGE

- >70% of compressors in use are fixed-speed machines, but in 100% of factories, demand is never constant.
- Demand fluctuates due to changes in production and process variability.
- Fixed-speed compressors, designed for constant output, struggle to operate effectively in these dynamic conditions.
- This results in excessive energy consumption, frequent cycling, and reduced system stability, no matter the brand or size.

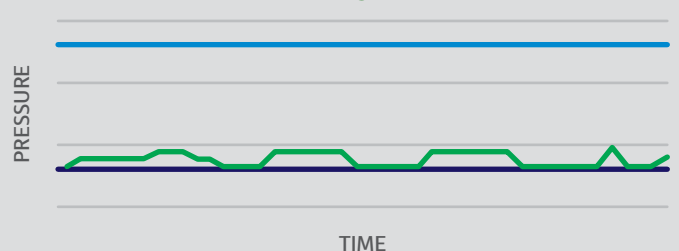
ELGi'S SOLUTION

- ELGi's Demand=Match technology is a breakthrough system that automatically adjusts compressor delivery to match plant demand.
- It works by smartly re-circulating airflow inside the compressor, ensuring delivery always equals demand.
- Energy saving, smoother operation and enhanced reliability – Exclusive to ELGi
- Right air at the right time – no shortage, no wastage

SYSTEM PRESSURE WITHOUT DEMAND=MATCH



SYSTEM PRESSURE WITH DEMAND=MATCH



— Cut-In Pressure — Cut-Out Pressure — System Pressure

DEMAND=MATCH SYSTEM

Saves like VFD. Costs like Fixed.



QUICK COMPARISON

Fixed-Speed Compressors		With Demand=Match	
Runs at full capacity even when demand is low	➤ Excess energy use and higher operating costs	Adjusts delivery to match exact demand	➤ Significant energy savings and lower operating costs
Builds up higher-than-needed pressure and pressure spikes	➤ Additional energy wasted	Maintains stable nominal pressure	➤ Eliminates excess pressure losses
Frequent pressure cut-in/cut-out cycles, stress on components	➤ Reduced reliability	Stable Operation with no or minimal pressure cut-in/cut-out cycles	➤ Higher reliability and consistent performance

AS A CUSTOMER, EXPERIENCE



ENERGY SAVINGS

Up to 17%



SUSTAINABILITY

Reduced Carbon Footprint



VARIABLE FLOW

Handles 100 - 40% demand variation



AFFORDABILITY

Capital Light.

IMPROVED RELIABILITY ENABLES
EXTENDED AIREND WARRANTY

EG Series



EQ Series



ELGi[®]
Always Better.



010PG0003