

Vacuum and Compressed Air Solutions
for the Plastics Industry



Energy Efficiency.
Connectivity. Innovation.

Benefit from the Experts

Gardner Denver with its well-known brands enjoys an excellent reputation in the plastics industry and is partner of the leading manufacturers and end users. Our highly qualified and experienced engineers have a deep understanding of your needs and can assist you in finding the solution that best matches your technical, economic and environmental requirements.

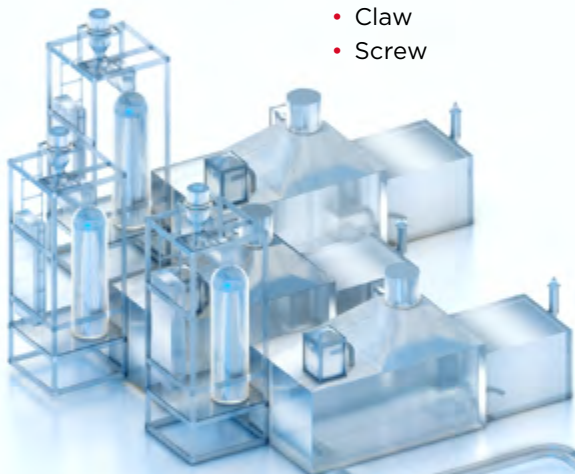
iConn Industry 4.0 Solution

The new iConn service provides plant managers with in-depth and real-time knowledge about their system, essential for accurate production planning and peace of mind protection for their investment. The system generates and delivers insight and statistics that keep plant managers informed of the performance of their installation, highlighting potential issues before they become a problem.



EPS Foaming

- Side Channel
- Liquid Ring
- Claw
- Screw



Pneumatic Conveying

- Side Channel
- Liquid Ring
- Rotary Vane
- Claw
- Rotary Lobe
- Screw
- Oil-free Compressor Technologies



Thermoforming

- Liquid Ring
- Rotary Lobe



- Outstanding application know-how

- Innovative products

- Wide choice of technologies

- Energy-efficient machines

- Low life cycle costs

- Focus on oil-free solutions

- Global service network

- Dedicated and committed teams

Central Vacuum Generation

- Side Channel
- Claw
- Rotary Lobe
- Screw

Blow Moulding

- High-Pressure Compressors

Granulate Drying

- Side Channel
- Rotary Lobe

Calibrating

- Liquid Ring
- Claw
- Liquid Ring and Dry Systems

Extruding

- Liquid Ring
- Rotary Vane
- Claw
- Screw
- Liquid Ring and Dry systems

Rubber Degassing

- Liquid Ring
- Rotary Vane
- Claw
- Screw
- Liquid Ring and Dry Systems

Plastic Welding

- Side Channel

Air Tools

- Rotary Screw
- Oil-free Compressor Technologies

G-Series – Side channel blowers

- Volume flow up to 2,640 m³/hr
- Easy to install
- Low noise levels
- Maintenance-free
- Worldwide use (UL/CSA)

V-Series – Rotary vane vacuum pumps and compressors

- Volume flow up to 1,535 m³/hr
- Oil-lubricated or dry running
- Reliable
- Easy to service
- Available with protective coating
- Available in IV version with 0.1 mbar

S-Series – Screw vacuum pumps

- Volume flow up to 650 m³/hr
- Dry running
- Easy to service
- Low maintenance costs
- Versions available for CIP
- Available with protective coating

L-Series – Liquid ring vacuum pumps and compressors

- Volume flow up to 600 m³/hr
- Constant operating characteristics
- Ceramic coating
- Maximum abrasion resistance
- Excellent corrosion resistance
- No deposits and lime scale

C-Series – Claw vacuum pumps and compressors

- Volume flow up to 1,140 m³/hr
- Dry running
- Low maintenance
- Reduced noise levels
- Compact design
- Available with protective coating
- Available in LUV version with 60 mbar

All technologies available with variable speed drive (standard or optional)





RVS Series - Liquid ring vacuum pumps

- Vacuum up to 33 mbar (abs)
- Capacity up to 4,200 m³/hr
- Extremely sturdy
- Reduced noise and vibration
- Easy installation and operation
- Safe operation and minimum maintenance
- Wide range of options and different material available



RBS - ROBOX evolution Series - RB-DV rotary lobe blowers

- Pressure up to 1,000 mbar (g)
- Vacuum up to 100 mbar (abs)
- Capacity up to 25,000 m³/hr
- Robust
- Cost-efficient
- Resistant
- Dry running (Class 0 certification, according to ISO 8573-1)
- Maintenance-friendly
- High vacuum thanks to a special air cooling system (water-free)

Low-pressure screw compressors (ROBOX screw low pressure, high pressure, vacuum)

- Pressure up to 2,500 mbar (g)
- Vacuum up to 300 mbar (abs)
- Capacity up to 10,100 m³/hr
- Extremely efficient
- Low noise
- Simple installation
- Turndown capability
- Oil-free for a more environmentally friendly operation (Class 0 certification, according to ISO 8573-1)
- Low-temperature processes
- Low life cycle costs
- No water consumption
- Ease of maintenance



gieffe
systems

Gas and fluids

Wet systems Complete packages equipped with liquid ring vacuum pumps

- Capacity up to 4,200 m³/hr
- Vacuum up to 33 mbar (abs)
- High and constant vacuum
- Simple and modular construction
- Reduced noise and vibration
- Easy installation and operation
- Wide range of materials available
- ATEX certification

Dry systems Single- and multi-stage customized vacuum units equipped with screw vacuum pumps and PD blowers

- Capacity and vacuum upon request
- High vacuum guaranteed
- Energy saving
- Dry running
- Reduced maintenance costs
- No water pollution
- Different options and configurations available
- ATEX certification

Broadest choice of compressed air technologies

PureAir oil-free technologies

- Oil-free two-stage, variable-speed screw compressor with two permanent magnet motors
- Oil-free two-stage, high-speed centrifugal, variable-speed compressor
- Oil-free single-stage, water-injected, fixed and regulated speed compressor
- Oil-free two-stage screw compressor, fixed and regulated speed
- Oil-free single- and multi-stage scroll compressor
- Oil-free high-output piston compressor

Advanced lubricated technologies

- Lubricated rotary screw, fixed and regulated speed compressor

Complete air treatment range

- Filtration
- Refrigerant and desiccant dryers
- Condensate management
- Nitrogen generators

Services & support

- Professional air audits
- Custom-engineered solutions
- Local service centers
- Genuine parts and lubricants

On-site nitrogen generation made easy

The N₂ generation product range includes everything that a customer needs to set up an on-site nitrogen generation system. Using high-quality compressed air to supply the nitrogen generators ensures long and trouble-free service and guarantees optimum performance.



PureAir
ISO CLASS: ZERO PLUS SILICONE FREE



Belliss & Morcom

VH/WH Series

- Pressure from 20 to 45 bar (g)
- Volume flow from 423 to 3,220 m³/hr
- Lower energy costs
- Compact footprint
- Variable-speed drive (standard/optional)
- Additional options available

We offer a range of additional features designed to offer your plant enhanced levels of monitoring, control and cost savings. Options include:

- AirPET control systems
- Extended warranty
- Variable-speed drives
- Air recovery
- Heat recovery



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