

Thousands
of solutions.
Endless
configurations.
Infinite
applications.

Industry-Leading Support

- > Online part configuration – extremely customizable products with a wide variety of options
- > Access to an expansive 2D/3D CAD file library online
- > Real-time price, availability, and delivery information on bimba.com
- > Tested for heat, fatigue and life span to ensure the best in quality and durability

Cutting-Edge Technology

- > AIROS™ encompasses multiple product lines, providing options to accommodate any application and price point
- > Compact and lightweight designs that offer exceptional performance without sacrificing robustness
- > Units can be used as standalone items or combined in modular units
- > Seamless integration with Bimba's pneumatic product lines—everything required to create pneumatic circuits, all in one place!

IMI Precision Engineering operates four global centres of technical excellence and a sales and service network in 75 countries, as well as manufacturing capability in the USA, Germany, China, UK, Switzerland, Czech Republic, Mexico and Brazil.

For information on all IMI Precision Engineering companies visit www.imi-precision.com

Supported by distributors worldwide.



Due to our policy of continuous development, Bimba reserve the right to change specifications without prior notice.

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Bimba is part of
IMI Precision Engineering

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AIROS™ Air Preparation Equipment



*We make
things MOVE®*



*We make
things MOVE®*

**Keep your air
flowing**

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IMI Precision Engineering

MG vs. PG Series: What's the Difference?

Bimba offers two distinct lines of AIROS™ air preparation equipment: the legacy MG (formerly MFD) series and the new PG series. Why should you choose one over the other?

MG SERIES

- > Perfect for baseline pneumatic circuits
- > Modular design to create the exact circuit your applications needs
- > Cost-conscious construction provides standard air preparation options without breaking the bank



Filters



FEATURES & BENEFITS

- > MG and PG series filters keep compressed air clean and protect pneumatic components by removing airborne contaminants
- > Modular MG and PG units allow you to build the exact system your application requires
- > MGFC and PGFL coalescing filters protect extra sensitive equipment by removing microscopic particles down to 0.01µ and oil down to 0.1 mg/m³
- > With proper pre-filtration, PGFV vapor removal filters provides 0 level oil removal to ISO 8573-1:2010

MODELS



MGF Series
Standard filtration for pneumatic circuits



PGF Series
Compact filtration for pneumatic circuits



PGFV Vapor Removal
High end filtration for ultra clean applications

Regulators



FEATURES & BENEFITS

- > Control compressed air pressure and minimize air loss throughout a pneumatic system
- > MGR and PGR models utilize push-to-lock knobs to maintain desired outlet pressures
- > Compact MSR option offers the same regulation as the MGR in a smaller package
- > Integrated pressure gauges on MGR and PGR units provide enhanced visibility and ease of use

MODELS



MGR Series
Standard compressed air regulation



MSR Series
Compact, easy-to-use regulators



PG Series
High-end regulation of compressed air

Lubricators



FEATURES & BENEFITS

- > Lubricate compressed air and connected pneumatic components for improved operation and optimized machine life
- > Standard MGL and PGL oil mist lubricators can be installed in-line or directly to other air prep equipment
- > PGL available with high visibility prismatic metal and lightweight polycarbonate bowls
- > PGL micro fog lubricator creates fine mist of oil to lubricate systems other lubricators cannot:
 - Complex flow patterns
 - Upward flow patterns
 - Long distances
 - Multiple lubricated components in a single system

MODELS



MGL Series
Standard oil mist lubrication for compressed air



PGL Series
Standard or micro fog oil mist lubrication

Combination Units



FEATURES & BENEFITS

- > Integrated MGFR and PGFR series filter-regulator units provide same filtration and regulation capabilities in a smaller footprint
- > Pre-assembled MGFC and PGFC series filter-regulator-lubricator units come fully assembled and ready to go, allowing for quicker installation and less downtime

MODELS



MGFR Series Filter-Regulators

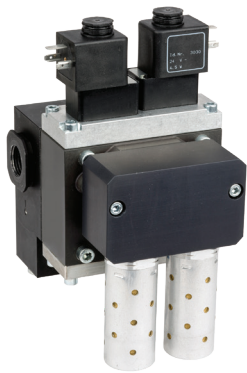


MGFC Filter-Regulator-Lubricator Units



PGFC Filter-Regulator-Lubricator Units

Soft Start Valves



FEATURES & BENEFITS

- > Solenoid actuated with integrated soft start
- > SCSQ10 models slowly bleed compressed air into the airline upon start-up until the desired pressure is reached, preventing excessive noise and component damage
- > Redundant valve assembly and self monitoring with integrated safety muffler
- > Mountable with AIROS PG400 products

OTHER ACCESSORIES

- > PMG, RG, and DG pressure gauge models offer analog and digital air pressure monitoring
- > Digital pressure switches allow for programmable digital and analog pressure outputs
- > MGZ and PGZ relief/shut-off valves provide manual, lockable cut-offs for downstream air flow
- > MGV soft start valves slowly pressurize pneumatic components for improved safety and control
- > MGA and PGA distribution blocks are mounted between regulators and lubricators to divide air flow between lubricators and unlubricated components



PG SERIES

- > PG200 and PG400 series accommodate differently sized applications
- > Safety-oriented designs improve operator protections
- > Smaller footprint for applications tight on space
- > Vapor removal filters for ultra clean applications
- > Micro fog lubricator works across longer distances, complex flow patterns, and multiple lubricated pieces in a circuit