



QC GLOBAL

CO₂

**HIGH-
PRESSURE**

acglobal.com

“

AC Global has consistently delivered exceptional products, innovative solutions, and outstanding customer service. Their willingness to go above and beyond is second to none.

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WHO WE ARE

We are not just another supplier. We are your trusted partner. We work alongside you to understand your needs, solve challenges and provide solutions that help you achieve more. Your success is our success. We want to build lasting partnerships, supporting you as your needs evolve and growing together for the long term.

Solutions beyond supply



AC Global Ltd is a global distributor of premium and bespoke components for the refrigeration industry.

Founded over 40 years ago, we offer an unrivalled product range and expertise, backed by deep, long-standing partnerships with manufacturers and suppliers worldwide. This combination, together with exceptional partner support, makes us a trusted and valued part of the industry.



Comprehensive flexible hose solutions for almost every refrigeration requirement. Whether you need capillary, high-pressure, large bore or anti-vibration solutions, we can provide a FLEXiFAST option tailored to your specific application.

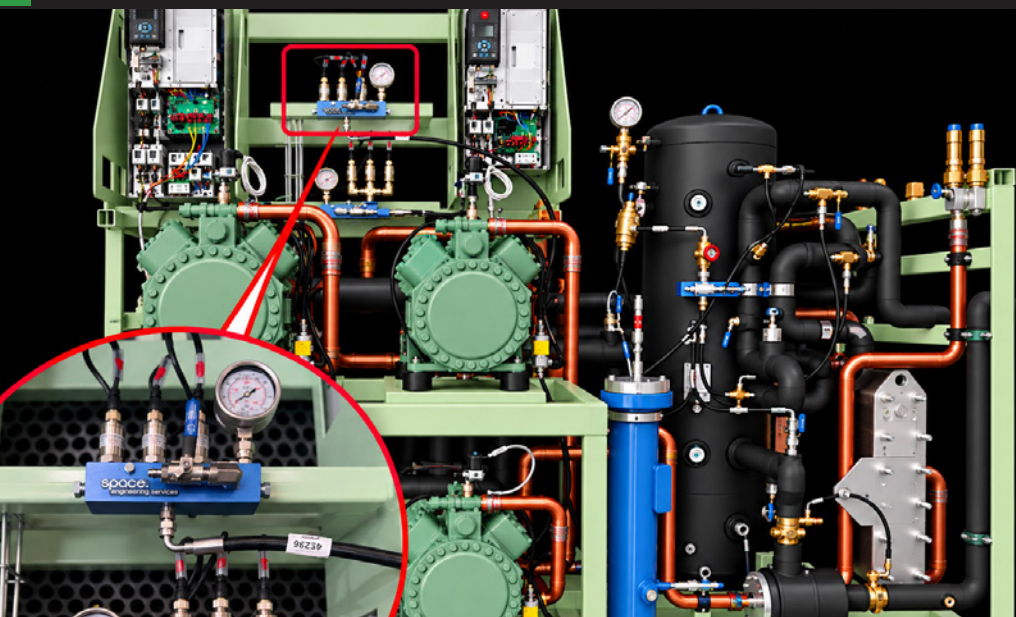


Our premium fittings and components are manufactured and distributed worldwide, with rigorous testing and development behind every product. The result is outstanding quality, reliability and performance.



FLEXiFAST CO₂

Specially developed thermoplastic hose range to be used with CO₂ (R744)



Can be used for connecting pressure gauges, manometers, oil return, suction or liquid lines. FLEXiFAST CO₂ has been specifically designed with a reinforced textile for CO₂ trans-critical applications with high-pressures. Our tough and resistant products meet and exceed the high-performance standards of any system.

Available as individual components, for self-assembly, or pre-assembled to specific lengths and fitting combinations to suit partner requirements. Full technical specifications are available on separate data sheets.

FEATURES

- 130 bar working pressure
- -45 °C to +130 °C working temperatures
- 150 °C peak temperature
- Suitable for natural refrigerant R744 (CO₂), R717 (NH₃), R290 (PROPANE), R32 (DIFLUOROMETHANE)

ISO
13971:2012(E)
CLASS 1





KITS

Hugely popular are our hose kits – with hoses pre-assembled in our manufacturing facility – labelled and collated into specific kits for individual refrigeration packs or areas of packs.



CHARGING HOSES

Our 3/8-inch thermoplastic double-braided 155 bar hose can be used to effectively charge systems with refrigerant after installation.

- Up to 100 metres
- can be manufactured bespoke to your requirements
- ease of charging from CO₂ bottle to refrigeration pack



FLEXiFAST

Braided Stainless-Steel



Braided stainless reinforced flexible hose solutions for high-pressure and high-temperature environments for controlling vibration and professional component alignment.

FEATURES

- welded to your requirements
- can be designed with male/female connections
- metric/imperial options with bespoke swivels and sweats
- common sizes up to 1-3/8 inch
- suitable up to 130 bar





FITTINGS

Twin Ferrule / 45 Degree SAE Flare / Braze

Exhaustive range of industry-leading fittings specially adapted for the refrigeration industry, available in a wide range of threads, sizing and materials for every application.

We can develop and produce bespoke specialist parts to provide unique solutions to your requirements.

FEATURES

- extensive CAD design capabilities
- unmatched 45-degree SAE flare solutions
- adaptor solutions held in stock
- call-off and stock holding catered for your needs
- Stainless-Steel / Steel / Brass





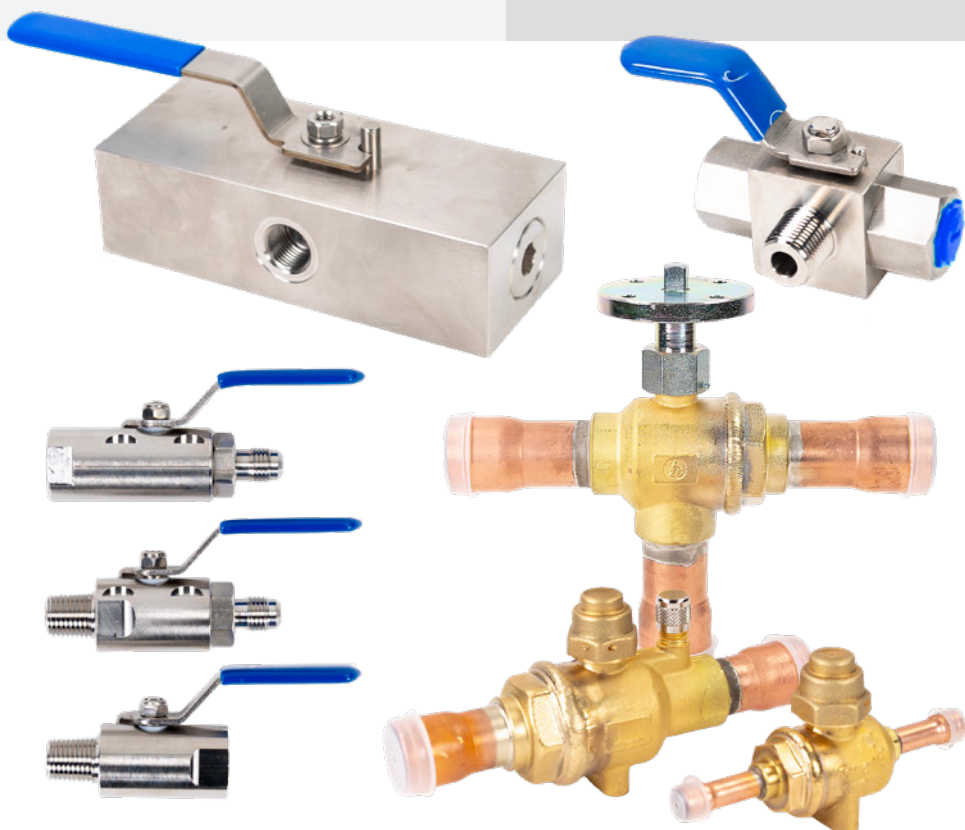
VALVES

Lever Ball Valves / Diverter Valves / Ball Valves

Our wide range of premium valves stocked for every application provides reliability like no other valves in the market. Available in an extensive range of threads, sizing and materials.

FEATURES

- compact design
- dual-handed
- comfortably manage pressures in excess of 130 bar
- both stainless-steel and copper construction





SAFETY

Vent Caps / PRV Valves

Vent

We offer a complete pressure relief solution through our bespoke vent cap design specified to your needs and sizing requirements. Our relief outlet caps make the failure identification process a simple exercise.

FEATURES

- available in any size metric or imperial
- copper outlet option
- tried and tested by engineers

PRV

We offer a wide range of pressure relief valves suited to almost any application. We hold an extensive stock of different pressure and thread options.

FEATURES

- up to 200 bar
- individual certification provided as standard
- endless configurations





GAUGES

Glycerine / Dry / Own Brand Options

Our premium selection of gauges can be tailored for your temperature and pressure requirements. Manufactured to the highest standards our gauges last longer than many alternatives within the market. We supply almost any connection in any size meeting your requirements.

FEATURES

- stainless-steel fully welded bodies for high-pressure applications
- glycerine-filled or dry options available
- explore our bespoke own brand options



CONTROLS

Accurate Control for Critical Systems

Our industry-leading transmitters and solenoids have been specially designed to outperform established brands at competitive pricing. Suitable for high-pressure environments up to 150 bar. Bespoke variations available.

FEATURES

- subcritical and transcritical options
- male/female connections and adaptors available
- high accuracy as standard
- effective control
- multiple flow control options
- huge range of temperature and pressure options





MANIFOLDS

Compact Control for High-pressure Systems

Specially developed aluminium manifold blocks are market leaders for the mounting and displaying of control and measurement devices located in high-pressure environments. Their compact design reduces multiple hoses, brackets and adaptors, bringing many components into one easily accessible location.

FEATURES

- lightweight, durable aluminium structure
- bespoke personalisation available
- numerous sizes and configurations to meet your requirements
- tested to over 680 bar



MOUNTING

Secure, Durable, Installation Ready

High-Temperature Imperial Pipe Clamps

Premium imperial pipe clamps specifically designed to correctly secure refrigeration pipework. Manufactured from high-temperature-resistant polymer for durability and reliable performance in demanding operating conditions.

FEATURES

- multiple imperial sizes held in stock
- up to 220 °C safe working temperature
- supplied fully assembled and ready to fit

Bespoke Bracketry

Bracketry and cable support solutions, manufactured in-house and delivered installation ready to reduce waste, eliminate additional factory work and improve production efficiency.

FEATURES

- bespoke products manufactured to your requirements
- available in kitted formats for modular assembly





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SOLUTIONS BEYOND SUPPLY

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