

CONTAIN-IT Plus System

Protective safety

Double containment system with highest safety due to two fully sealed containment zones. The Medium Pipe can be made from different plastics while, the jacket pipe is always in PE100. Various leakage control systems are available.

Valves and Actuation

Upgrade through modularity

GF valves and actuators stand for reliable process control and long duty operation. The range comprises ball-, diaphragm- and butterfly valves with pneumatic and electric actuators as well as a wide range of process control valves.

Measurement and Control

Smart simplicity

GF Signet products offer a comprehensive range of advanced flow and analytical technology for industrial liquid monitoring and measurement. Signet sensors and transmitters are designed to be cost efficient, accurate, dependable and easy-to-use.

Welding Machines

Benchmarking technology

Welding machines using patented technologies for workshop and on site use. The Global service system ensures a long and profitable use of the equipment. Offering all welding methods provides the best choice for clients and their applications.

Services

Together we are successful

We offer services from Engineering support, CAD Libraries, Digital & Online tools, Customized solutions and Innovative services such as Fit for Service NDT, Track and Trace and OnSite Services to help customers, throughout all the phases of planning, implementation, operation and maintenance.

GF Piping Systems

Worldwide at home

Our sales companies and representatives ensure local customer support in over 100 countries

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The technical data are not binding. They neither constitute expressly warranted characteristics nor guaranteed properties nor a guaranteed durability. They are subject to modification. Our General Terms of Sale apply.

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+ Main benefits:	<ul style="list-style-type: none">• Suitable for visual inspection and identification• Protection of personnel and environment• Adaptable leak monitoring system• Observance of legal regulations
Main applications:	Water treatment, microelectronics, chemical process industry, energy
Product range:	20/50 mm to 225/315 mm (medium/protection)
Temperature range:	-50 °C to +140 °C (depending on medium pipe)
Jointing technology:	Cementing, socket fusion, IR fusion, electro fusion, butt fusion
Material:	PE100 for jacket pipe, PE100, PP, PVC-U, PVC-C, PVDF for medium pipe

+ Main benefits:	<ul style="list-style-type: none">• Wide range of valves, actuators and accessories• Long time reliable operation• High corrosion resistance
Main applications:	Water treatment, microelectronics, chemical process industry, energy
Product range:	Ball valves: DN10 to DN150, Diaphragm valves: DN15 to DN150 Butterfly valves: DN50 to DN600 Process valves: DN10 to DN100 Electric and pneumatic actuators open/close and continuous control
Jointing technology:	Cementing, socket fusion, butt fusion, IR fusion, BCF fusion threaded union and flanged
Material:	PVC-U, PVC-C, ABS, PP-H, PVDF, PP fiberglass reinforced

+ Main benefits:	<ul style="list-style-type: none">• Simple operation and installation• Sensors for all major parameters• High corrosion resistance of housings• Global availability of products
Main applications:	Water distribution, water treatment, chemical process industry, irrigation, cooling
Product range:	Flow, conductivity, pH, ORP (Redox), temperature, pressure, level, dissolved oxygen, turbidity and chlorine
Jointing technology:	Special installation fittings, strap on saddles, ISO/NPT pipe threads
Material:	PP, PVC-U, PVC-C, PVDF, Ryton body, PTFE junction, 316L stainless steel

+ Main benefits:	<ul style="list-style-type: none">• Most advanced welding technology• Efficiency through patented technologies• Data recording for quality documents• Wide range of accessories
Main applications:	Water treatment, energy, cooling, chemical process industry, microelectronics, marine
Product range:	16 mm to 1200 mm workshop and on site machines
Jointing technology:	Infrared fusion (IR), Bead and crevice free fusion (BCF), butt fusion, socket fusion, electro fusion
Material:	PE, PP, PVDF, PB

+ Main benefits:	<ul style="list-style-type: none">• Increase quality of your piping installation• Reduce costs in implementation• Increase safety in your operation• Save time in preparation & planning
Main applications:	Engineering Services supports design reviews, hydraulic modeling, stress analysis, buried load calculations and bracketing evidence and much more in your design stages. We have the capability to design, manufacture, assemble and test custom made products, spools, headers and pre-assemblies to meet project requirements with our Global network of workshops. The Fit for Service NDT with a long term pass/fail assessment and 10 year warranty on weld quality is a world's first. This can be integrated into our Track and Trace Service which supports job site quality management.



GF Piping Systems

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Industry

The right solution for your applications

PVC-U System

Comprehensive simplicity

Most comprehensive system with very good chemical resistance characteristics. Typical for the system are the fast and safe connections by cementing with low investment for tools and equipment.



PVC-C System

High performance PVC

System with good chemical resistance and excellent mechanical properties at high temperatures. Typical for the system are the fast and safe connections by cementing with low investment for tools and equipment.



ABS System

High performance at low temperatures

Energy efficient solution for low temperature applications, refrigeration and cooling systems. High impact resistance and low heat conductivity. Fast and safe cementing connections with limited investment for tools and equipment.



COOL-FIT System

Energy saver

Energy saving, pre-insulated system for cooling applications. Excellent impact strengths for lowest temperatures. The system utilizes fast and safe electro fusion connections for a comprehensive range of fully insulated system components.



ecoFIT System

Economic and ecological solution

Heavy duty piping system with excellent impact strength in all climatic conditions. Good chemical and abrasion resistance up to ambient process temperatures. Highly cost-efficient system assembled from a very comprehensive product range.



PROGEF System

Economic purity

Heavy duty piping system with good impact strength in non freezing indoor conditions. Very good chemical and abrasion resistance up to high process temperatures. Very cost-efficient system assembled from a comprehensive product range.



SYGEF System

Outstanding purity and performance

Heavy duty piping system with good impact strength in all climatic conditions. Excellent chemical and abrasion resistance up to highest process temperatures. High performance system assembled from a wide product range.



- + Main benefits:**
- Comprehensive product range
 - Very good chemical resistance
 - Low costs for installation equipment
 - Food and drinking water approvals

Main applications: Water treatment, marine, energy, chemical process industry

Product range: 6 mm to 400 mm (ISO/DIN)
3/8" to 8" (BS)
1/8" to 24" (ANSI/ASTM)
flanges and valve connections (JIS)

Pressure rating: Up to 16 bar

Temperature range: 0 °C to +60 °C

Jointing technology: Cementing

Material: PVC-U

- + Main benefits:**
- Increased temperature range
 - Very good chemical resistance
 - Low costs for installation equipment
 - Long support distances

Main applications: Chemical process industry, water treatment, marine

Product range: 16 mm to 225 mm (ISO/DIN)
1/4" to 24" (ANSI/ASTM)
flanges and valve connections (JIS)

Pressure rating: Up to 16 bar

Temperature range: 0 °C to +80 °C

Jointing technology: Cementing

Material: PVC-C

- + Main benefits:**
- High impact strength at low temperatures
 - Low thermal conductivity
 - Fast and low cost installation
 - Outstanding abrasion resistance

Main applications: Cooling, water treatment, marine

Product range: 20 mm to 315 mm (ISO/DIN)
3/8" to 8" (BS)

Pressure rating: Up to 16 bar

Temperature range: -50 °C to +60 °C

Jointing technology: Cementing

Material: ABS

- + Main benefits:**
- Fast installation time
 - Extreme low operational energy loss
 - Very robust outer jacket
 - No corrosion

Main applications: Chilled water/Commercial refrigeration

Product range: COOL-FIT 2.0: d32 to d140 mm
COOL-FIT 4.0: d32 to d450 mm

Pressure rating: Up to 16 bar

Temperature range: max. -50 °C to +60 °C

Jointing technology: Electro fusion

Material:

- PE media pipe, PR/PUR jacket
- CF 2.0: 22 mm GFHE-foam insulation
- CF 4.0: 44 mm GFHE-foam insulation

- + Main benefits:**
- UV and weather-resistant
 - Outstanding abrasion resistance
 - High impact strength
 - Wide choice of jointing technologies

Main applications: Water treatment, energy, marine, cooling chemical process industry

Product range: 20 mm to 1200 mm (ISO/DIN)

Pressure rating: Up to 16 bar

Temperature range: -50 °C to +60 °C

Jointing technology: Electro fusion, socket fusion, butt fusion, IR fusion

Material: PE

- + Main benefits:**
- High impact strength
 - Good chemical resistance
 - Silicone/ Oil free for PROGEF Plus
 - BCF fusion for PROGEF Natural

Main applications: Water treatment, microelectronics chemical process industry

Product range: PROGEF Standard: 16 mm to 500 mm
PROGEF Plus: 16 mm to 315 mm
PROGEF Natural: 20 mm to 110 mm

Pressure rating: Up to 10 bar

Temperature range: 0 °C to +80 °C

Jointing technology: IR Plus fusion, socket fusion, butt fusion, BCF fusion (PROGEF Natural only)

Material: PP

- + Main benefits:**
- High operating temperature range
 - Outstanding chemical resistance
 - Extremely smooth surface
 - Excellent purity for SYGEF Plus

Main applications: Microelectronics, energy, chemical process industry, water treatment, cooling

Product range: SYGEF Standard: 16 mm to 315 mm
SYGEF Plus: 20 mm to 315 mm

Pressure rating: Up to 16 bar

Temperature range: -20 °C to +140 °C

Jointing technology: IR fusion, BCF fusion, butt fusion, socket fusion

Material: PVDF