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.



* Main benefits: Suitable for visual inspection and

Protection of personnel and environment

Adaptable leak monitoring system

Observance of legal regulations

Main applications:

Water treatment, microelectronics. chemical process industry, energy

identification

Product range:

(medium/protection)

Temperature range: -50 °C to +140 °C

(depending on medium pipe)

20/50 mm to 225/315 mm

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

Valves and Actuation

Main benefits:

Main applications:

Jointing technology:

Material:

Product range:

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.



accessories

Wide range of valves, actuators and

Long time reliable operation

Water treatment, microelectronics.

chemical process industry, energy

Diaphragm valves: DN15 to DN150

Electric and pneumatic actuators open/

Cementing, socket fusion, butt fusion, IR fu-

sion, BCF fusion threaded union and flanged

Butterfly valves: DN50 to DN600

Process valves: DN10 to DN100

close and continuous control

PVC-U. PVC-C. ABS. PP-H. PVDF.

PP fiberglass reinforced

High corrosion resistance

Ball valves: DN10 to DN150,

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.



* Main benefits:

· 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

Flow, conductivity, pH, ORP (Redox), Product range

> temperature, pressure, level, dissolved oxygen, turbidity and chlorine

Special installation fittings, strap on saddles, ISO/NPT pipe threads

Material:

PP. PVC-U. PVC-C. PVDF. Rvton bodv. PTFE junction, 316L stainless steel

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.



* Main benefits:

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

16 mm to 1200 mm Product range:

Jointing technology:

Material:

workshop and on site machines

Infrared fusion (IR), Bead and crevice free fusion (BCF), butt fusion, socket

fusion, electro fusion PE. PP. PVDF. PB

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.



Main benefits:

 Increase quality of your piping installation

Reduce costs in implementation

Increase safety in your operation

· Save time in preparation & planning

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

Worldwide at home

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

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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.



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

6 mm to 400 mm (ISO/DIN) Product range:

3/8" to 8" (BS)

1/8" to 24" (ANSI/ASTM)

flanges and valve connections (JIS)

Up to 16 bar Pressure rating:

Temperature range: 0 °C to +60 °C

Jointing technology: Cementing

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.



+ 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)

Up to 16 bar

flanges and valve connections (JIS)

Pressure rating:

Temperature range: 0°C to +80°C

Jointing technology:

PVC-C

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



ABS System

High impact strength at low temperatures

· Low thermal conductivity

Fast and low cost installation

Outstanding abrasion resistance

Main applications: Cooling, water treatment, marine

20 mm to 315 mm (ISO/DIN) Product range:

3/8" to 8" (BS)

Up to 16 bar Pressure rating:

Temperature range: -50 °C to +60 °C

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.



* Main benefits:

Material:

· Fast installation time

Extreme low operational energy loss

Very robust outer jacket

No corrosion

Main applications: Chilled water/Commercial refrigeration

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

COOL-FIT 4.0: d32 to d450 mm

Up to 16 bar Pressure rating:

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

Jointing technology: Electro fusion

PE media pipe, PR/PUR iacket

CF 2.0: 22 mm GFHE-foam insulation

CF 4.0: 44 mm GFHE-foam insulation

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.



+ Main benefits:

 UV and weather-resistant Outstanding abrasion resistance

High impact strength

chemical process industry

· Wide choice of jointing technologies

Main applications: Water treatment, energy, marine, cooling

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

Up to 16 bar Pressure rating:

Temperature range: -50 °C to +60 °C

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

Material:

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.



High operating temperature range

Extremely smooth surface

Excellent purity for SYGEF Plus

cess industry, water treatment, cooling

Product range:

SYGEF Plus: 20 mm to 315 mm

Up to 16 bar

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

Outstanding purity and performance

climatic conditions. Excellent chemical and abrasion resistance

up to highest process temperatures. High performance system

Heavy duty piping system with good impact strength in all

+ Main benefits:

SYGEF System

assembled from a wide product range.

Outstanding chemical resistance

Main applications: Microelectronics, energy, chemical pro-

SYGEF Standard: 16 mm to 315 mm

Pressure rating:

-20 °C to +140 °C Temperature range:

socket fusion

PVDF

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

PROGEF Standard: 16 mm to 500 mm Product range:

PROGEF Plus: 16 mm to 315 mm PROGEF Natural: 20 mm to 110 mm

Up to 10 bar Pressure rating:

Temperature range: 0 °C to +80 °C

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

BCF fusion (PROGEF Natural only)