

Portfolio

Dimensions: d20 - d63

Pressure: PN16

Measurement system: metric



Pipes



Fittings



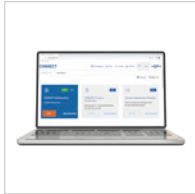
Valves



Joining technology



Automation



Seamless traceability and documentation

References



Infrared welded PVC-U for the world's largest ceramicmembrane water treatment plant at Ross-Shire Engineering, UK.

Where next?



Discover the full story



Welded PVC-U system meets IR-63 M for chemical dosing skids at ProMinent, Sweden.

Where next?



Discover the full story

Worldwide at home

Our sales companies and representatives ensure local customer support in more than 100 countries.

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GF Piping Systems

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IR PVC-U

The first infrared welded PVC-U system

www.gfps.com/ir-pvc-u

Proven Material and jointing technology – newly combined

GF Piping Systems has been producing PVC-U for more than 65 years and is also a leader in infrared welding technology. Now we have combined our expertise in these two fields to bring the first IR welded PVC-U system to the market.

+ Integrated process and quality control

With the automated process control, the same parameters (e.g. temperature, fusion time, cooling time, etc.) are applied in every fusion. The welding process guarantees permanent control and monitoring and thus consistent joint quality throughout. If one of the values is outside the defined tolerance, the machine recognises this deviation and automatically evaluates the weld as “not OK”.



Learn more about
GF Piping Systems' PVC-U system



+ Automated process documentation

The machine can automatically detect whether the weld is within the defined parameters. These are monitored throughout the process and saved in the fusion protocol. With the additional printer, a label can be attached to each weld allowing full traceability.

+ Strong chemical resistance

The material formulation specially developed by GF Piping Systems offers outstanding chemical resistance. This PVC-U withstand demanding conditions, particularly during the transport of aggressive media, such as acids, bases and salts. Combined with the infrared fusion technology the IR PVC-U System is perfectly suited for applications in the most demanding conditions.

+ Sustainable raw material

GF Piping Systems uses bio-attributed materials for all of its market-leading PVC-U metric pressure pipes, fittings and valves produced in Europe. It reduces the CO2 emissions while keeping the same technical and chemical performance as conventional PVC-U.



+ IR Fusion Machines

Welding of IR PVC-U is possible on IR-63 M and IR-110 A machines. For the IR-110 A special clamping inserts are required for the inner clamping units.

