



The Plastics Experts.

AGRU Kunststofftechnik GmbH is a family-owned, high performance enterprise, headquartered in Austria with worldwide activities in production and sales of high-quality thermoplastic polymer products. The product group INDUSTRIAL PIPING SYSTEMS offers a wide range of pipes, fittings, valves and special components for the transport of aggressive media. In order to cover the various operating conditions in industrial applications, a multitude of materials such as PE, PP, PVDF and ECTFE are offered. Beside the variety of piping materials, a wide choice of piping products enables the construction of pipelines in a wide range of dimensions and flow rates. Especially for the transport of aggressive and acidic media, the excellent properties of plastic piping systems ensure high durability for many years and offer the user a sustainable solution.

The installation of INDUSTRIAL PIPING SYSTEMS can be performed by means of established welding technologies such as heating element butt-, heating element socket-, infrared- and electrofusion welding. Accessories facilitate the assembling and welding machines complete the large supply programme of AGRU.



Quality

AGRU operates a quality management system according to ISO 9001:2008. AGRU products comply with the requirements of international standards. Continuous third party inspections assure the high quality standard.













Supply Range:

SUPPLY RANGE PIPES 5 M



Material

PPR/PPR

PE 100-RC/PE 100-RC

Dimensions

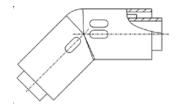
DIM 50/32 - SDR17/11

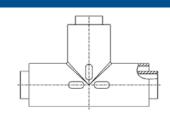
DIM 90/63 - SDR17/11

DIM 160/110 - SDR17/11

SUPPLY RANGE FITTINGS







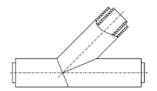
Elbow 90°

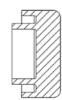
from 2 Elbows 45° injection moulded + welded

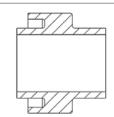


injection moulded

injection moulded







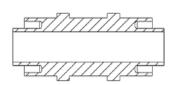
45° Tee

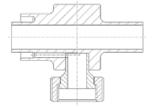
segmented

End Cap machined

Dog Bone

End Termination machined







Dog Bone

- Restraint, Isolid
- Restraint, and flow through machined

Measuring fitting

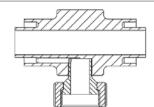
End Termination machined

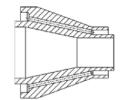
Induction E-Coupler

injection moulded









Stub Flange

- without flow through
- with flow through
- with flow through + groove for O-Ring machined

Measuring fitting

- one side leakage control
- both side leakage control machined

Reducer

concentric machined

Other fittings are available on customer requests.



OIL AND GAS

Fracking, Petrochemical Exploration, Flow-Lines



INDUSTRY

Chemical Industry, Steel Galvanisation, Automotive

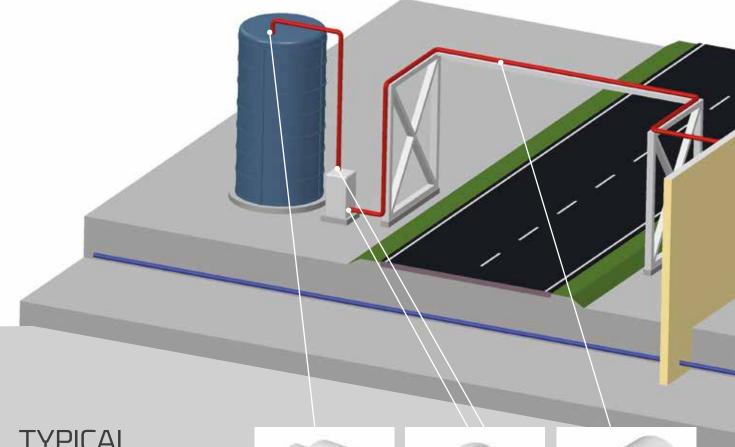


MINING



INFRASTRUCTURE

Airport, Power plants (Waste drain)



TYPICAL
APPLICATIONS
FOR
POLY-FLO
PIPING
SYSTEMS



DOG BONE

End Termination Transition for double to single wall piping systems



STUB-FLANGE

For connections where welding is not possible or piping system must be dismountable



POLY-FLO PIPE

PPR grey and PE 100-RC black, suitable for above and underground installation





FOOD AND BEVERAGE

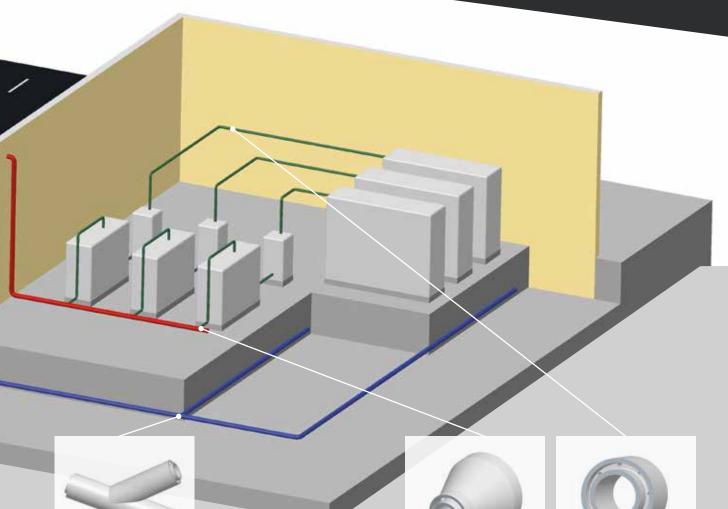
Microelectronic, Life-Science Industry, Laboratories, Waste drain pipe, Chemical process piping



WATER AND WASTE WATER TREATMENT

Chemical feed lines, Chlorination pipes

APPLICATION AREAS FOR
POLY-FLO PIPING
SYSTEMS





Specially for drainage applications with perfect flow



REDUCER

Machined for transition for large to small diameter



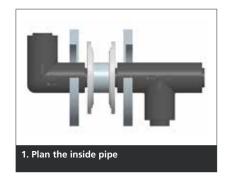
DOG BONE

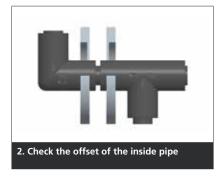
Fixing of the piping system for higher temperature differences

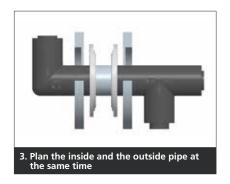
Poly-Flo welding method

Simultaneous welding

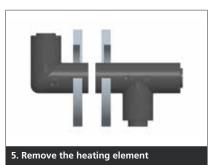
The simultaneous welding is used successfully for the AGRU double containment piping systems since many years. This welding method is also applicable for our new Poly-Flo system. The main advantages of this welding method are the fast installation time and the possibility of using standard butt welding machines.

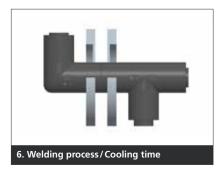
















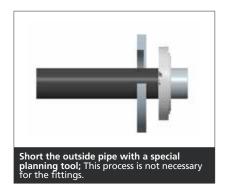
Poly-Flo welding method

Cascade welding

With butt welding, infrared welding and induction welding

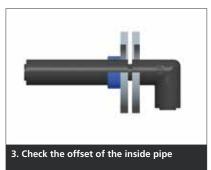
Advantages:

- The weld seam of the inside pipe can be checked visually.
- A pressure test on the inside pipe is possible before the outside pipe will be welded.

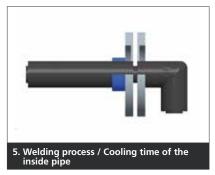


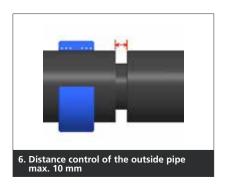


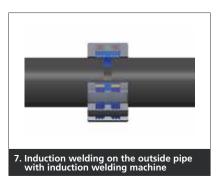














Piping system with double safety

The AGRU double containment pipes have been used very successfully in a wide range of applications since many years. They fulfil today's high requirements in the field of chemical process engineering. Our new Poly-Flo system is an enlargement of our double-containment piping system which has proven its worth over years. For leak detection in the double containment piping, different leak detection methods are offered.

AGRU double containment piping systems ensure a system which is perfectly designed and adapted for the application (high pressure resistance of the media pipe, materials which are resistant to the transported media). Furthermore, space-saving options with reduced space for the leak detection are available.



Induction welding machine





Your distributor



OFFICE AND CENTRAL WAREHOUSE

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