



## **aquatherm - Maritime Applications**

**Corrosion-resistant pipe systems made of plastic**

for drinking water supply network und ship operating systems



**aquatherm**

state of the pipe





Safe connections: The result of the fusion of pipe and fitting is a permanent material unit of the system elements

## aquatherm green pipe

The innovative multi-purpose pipe that was a revolution for the plastic pipe industry and has evolved over decades. The pipe was launched in several international markets 35 years ago and quickly came to be recognized for the highest quality and environmental responsibility. Its environmental benefits as well as the world-famous and often copied colour of the pipe system are the basis for the name.

The pipe system has proved its excellent technical suitability in worldwide applications for more than 35 years and is highly recognized by experts as one of the most extensive and at the same time best plastic pipe systems. The system includes the different types of pipes SDR 6, SDR 7.4, SDR 9 and SDR 11. They are complemented by especially reinforced products: faser composite pipe SDR 7.4, aquatherm green pipe SDR 9 and stabi composite pipe SDR 7.4. More than 450 joining and connection elements, as well as valves and ball valves complete the system.

The products are available from 16 mm to 450 mm external diameter.

### The aquatherm green pipe system is applied in all fields of

- **NEW INSTALLATION**
- **REPAIR AND**
- **RENOVATION.**

aquatherm green pipe system is ideal for the distribution of hygienically safe media, such as drinking water and foodstuffs. The special composition of the pipe material fusiolen® guarantees the purity of the transported medium without contamination by foreign substances that are dissolved out of the pipe material, such as harmful heavy metals. Metal deactivators and the homogeneous, positive connection technique enable a long and interference-free operational life.

With aquatherm green pipe manifolds, corrosion is generally a thing of the past. External influences at the installation location such as saliferous ocean air or aggressive cleaning agents damage the system just as little as the transport of aggressive media or general corrosion due to moisture and air.

To protect against solar radiation in manifold lines that are installed outdoors, aquatherm fabricates manifolds made of pipes that have a special UV protective coating.

The weight advantage of aquatherm makes it possible to also bring large manifolds or ballast tanks to the installation location without any problems. In extreme cases when local circumstances have not been taken into consideration or have changed it is also possible to split the piping network on site and reconnect them true-to-size with sleeve or butt welding.

Subsequent branches and connections can be made simply and cost-effectively in the shortest time with the aquatherm saddle technology.

You can find out more about saddle welding in our aquatherm green pipe general catalogue. (Order no. 10100)

aquatherm green pipe, in contrast to manifolds made of metal, has an insulating characteristic that the material fusiolen® innately provides. If the degree of insulation is not sufficient, we can also supply our manifolds in an insulated form.

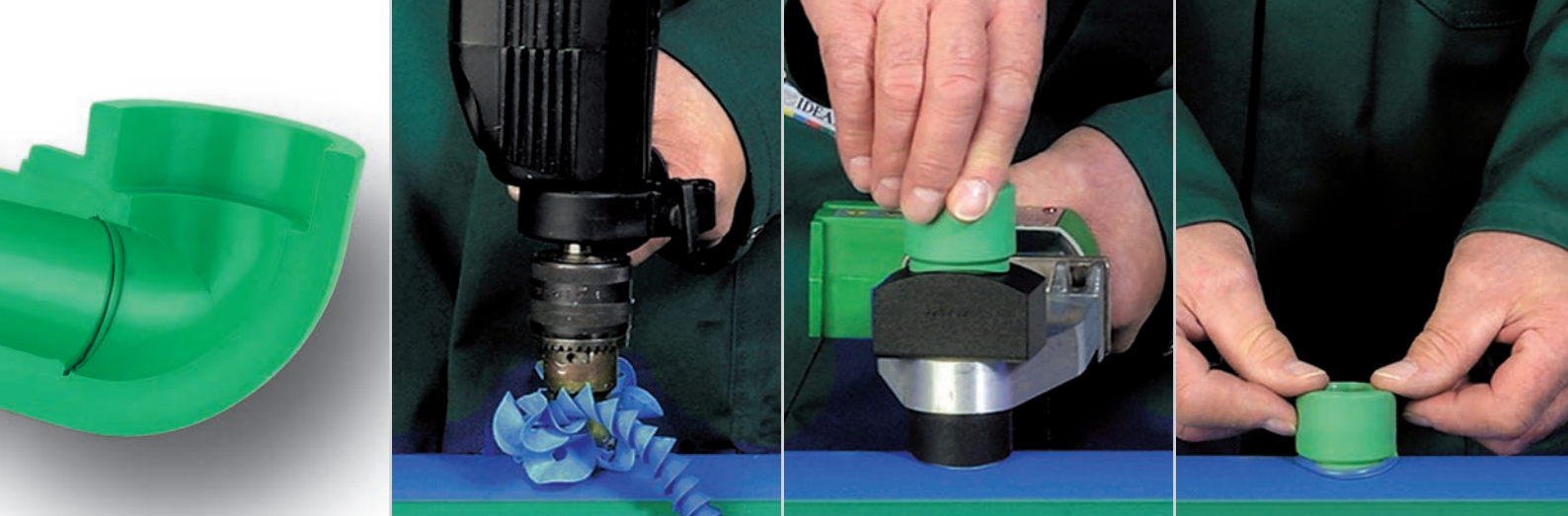
### Advantages :

- aquatherm green pipe is much lighter than metal pipe
- corrosion-resistant against aggressive media and sea water with low pH-values
- easy, fast processing and repair works simply to carry out even at sea – without long waiting times
- over 400 connectors and connecting elements
- no increase in fire gas toxicity compared to wood, cork or wool
- compared with metallic pipe systems aquatherm green pipes convince by reduced flow noise
- safe connection technology
- high pressure and heat stability

### Selection of our international approval marks







Create simply and quickly a new branch at the high seas: with weld-in saddle technology you remain flexible at all times.

## aquatherm blue pipe

Manifolds and special components made of aquatherm blue pipe share their advantageous characteristics with those of our aquatherm green pipe systems.

Our specialty for distributing cooling and heating in closed systems as well as in several industrial applications. The aquatherm blue pipe system has been developed especially for applications outside the potable water installation.

Air conditioning systems (problems with dew-point) installed with steel pipes are especially affected by corrosion at the outer surface of the pipes. aquatherm blue pipe is manufactured from 100% corrosion resistant materials which increase the life-time of air-conditioning pipe systems considerably.

In addition to the general advantages of the PP-R pipe system aquatherm blue pipe in comparison with the aquatherm green pipe system, offers higher volumetric current values due to smaller wall thicknesses.

### System components

The system has to be installed in combination with the aquatherm green pipe-fittings and includes all elements for the pipe system installation for chilled, hot fluid and various industrial applications. The products are available from 20 mm to 630 mm external diameter.

## aquatherm blue pipe ot

### Oxygen barrier

With the redeveloped aquatherm blue pipe fiber composite pipe OT, aquatherm launches an oxygen tight pipe, which is equipped with an oxygen barrier and thus corresponds to the requirements of DIN 4726.

### The advantages of aquatherm blue pipe ot:

- oxygen tight by diffusion barrier certified according to DIN 4726
- absolutely corrosion resistant
- less pipe friction
- high stability
- high heat-stability
- high environmental compatibility
- high impact rate
- resistant against chemicals
- heat- and sound insulating characteristics
- very good welding properties
- considerably thinner insulation

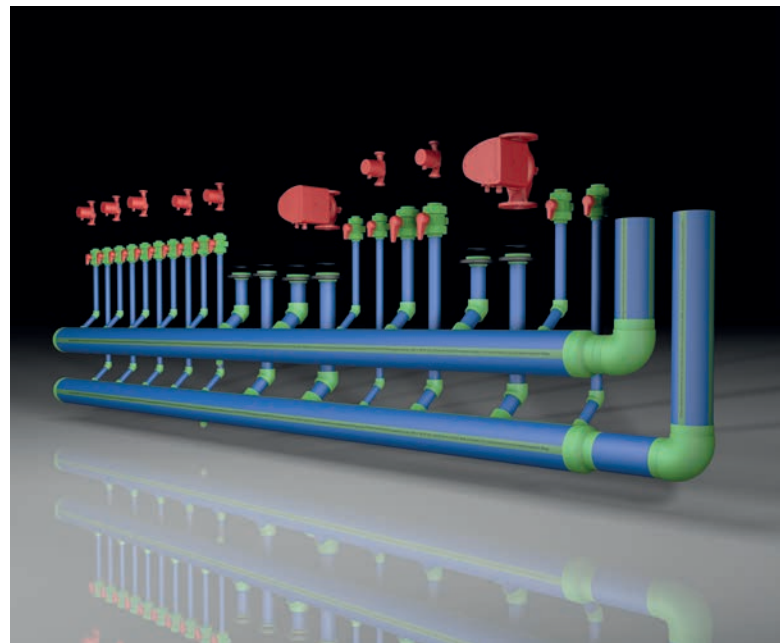
## aquatherm PREFABRICATION

Due to the diversity of today's application capabilities in the maritime engineering sector, there is hardly any chance of being able to cover the distribution of fluid media using standardised or modular manifold design. Every construction project has its own individual requirements. It is not only the type of medium, application areas, regulations and laws along with the architectural circumstances that influence the material and design of the pipeline system and its manifolds.

We plan and build your manifolds and special components right in the factory, entirely in accordance with your specifications and ship them ready-to-fit anywhere you want in this world.

To accomplish that you merely need to supply us with your planning data, 3D drawings and/or sketches with the dimensions. You will receive an offer from us that includes the material data and drawing. A competent team of experienced technicians is ready to advise and assist you with that.

- High, tested quality with a 10 years warranty
- Support and advice of service technicians on site
- Highest accuracy due to detailed planning
- No delays due to missing parts
- Low tooling costs
- Rapid add-on by aquatherm saddle-technique
- No improvisation on site
- Fast installation times
- Installation in confined spaces is possible
- Compensation of skills shortage





## EXTRACT OF MARITIME REFERENCES:

Ship	IMO Hull No.	Type
Saga Rose	6416043	Cruise
Statendam (Pacific Eden)	8919245	Cruise
Costa Marina (Club Harmony)	6910544	Cruise
Costa (Neo) Romantica	8821046	Cruise
Costa (Neo) Classica	8716502	Cruise
Costa Victoria	9109030	Cruise
Norwegian Sun	9218131	Cruise
Carnival Conquest	9198355	Cruise
Carnival Valor	9236389	Cruise
Caribbean Prinzess	9215490	Cruise
Carnival Liberty	9278181	Cruise
AIDA vita	9221554	Cruise
AIDA aura	9221566	Cruise
Mecklenburg Vorpommern	9131797	Ferry
Ulysse	9142459	Ferry
Salambo 7	9142467	Ferry
Stena Hollandica	9419163	Ferry
Stena Britannica	9419175	Ferry
Tanit	9598579	Ferry

## FURTHER INFORMATION:

For more detailed information, please contact our Info-Service at **+49 (0) 2722 950-0** or simply visit our download area at our website **www.aquatherm.de**



Management System  
ISO 9001:2008  
ISO 14001:2004  
ISO 50001:2011  
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INNOVATIVE  
**PIPE  
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