



Cooling Water Treatment

With Care for
the Environment

For a complete control of your cooling system

The programs of BKG Water Solutions are intended to meet all the needs of cooling water systems. They are designed to face all kinds of challenges, which may occur.



Generally, these main problems have to be solved:

- » **Corrosion**
- » **Scaling and deposits**
- » **Microbiological growth, including Legionella**

These problems cannot be considered separately, since they are inter-dependent. Therefore, a complete treatment is needed, based on the combination of different treatments.

Our offer ...

- » Audits and survey of your plant by our cooling water treatment experts
- » Training of your staff
- » Cooling water monitoring. On-site or carried out at our central analytical laboratories
- » Lab and pilot trials, with samples of your industrial water
- » Representative simulation of your operating conditions, to determine the most suitable treatment using our dedicated software COOLSOFT™
- » On-site product development with our mobile pilot cooling systems
- » Regular surveys and recommendations on the operating conditions
- » Specific research and development projects carried out by our international R&D departments in Duesseldorf & Ludwigshafen

... for the benefit of your water systems

- » Easy control and follow-up: our treatment programs can be analyzed with easy-to-use quick test kits
- » Comprehensive technical documentation including toxicological and ecological reports
- » Improvement of your process performance and heat exchange
- » Environmentally friendly treatment
- » Fulfillment of local regulations thanks to our customized offer
- » Reduction of chemicals consumption and water costs
- » Reduction of make-up water and maximisation of water reuse
- » Optimisation of total operating costs
- » Optimal service due to highly qualified staff
- » Continuous product development and improvement

Technologies, Features and Applications

SCALE & CORROSION INHIBITORS AND DISPERSANTS	Aktiphos® Ferfos® Giluf® Turbodispin Albaphos®	» Phosphorus-containing and phosphorus-free treatments » Biodegradable products for a low environmental impact » Dispersants to prevent fouling and sedimentation of suspended solids » Biodispersants, for a better efficiency of biocide treatments » Specific treatments for pit water, once-through systems, sea water or recycled wastewater as make-up water
SPECIAL CORROSION INHIBITORS	Cetamine® Ferrolix® Korrodex	» Organic and inorganic formulations » Applications over a wide pH range » Specific alkaline treatments for very acidic and soft water » All in one treatments for closed cooling systems » Brass & Aluminium corrosion inhibition
BIOCIDES*	Ferrocid® Dilurit® Turbanion	» Approved biocides against Legionella pneumophila » Oxidizing and non-oxidizing biocides for the control of bacteria, fungi and algae » Specific biocides with rapid microbiocidal effect and quick decomposition after use in the cooling system » Biocides for preventive and curative treatments
CLEANERS	Ferrolin®	» Wide range of cleaners for the removal of scale, metal oxides, deposits, oil, mud: compatible with steel, stainless steel, galvanized steel, copper alloys, aluminium
FLOCCULANTS COAGULANTS	Ferrocryl® Gilufloc Labufloc	» Coagulants and flocculants for the preparation of make-up water » Optimisation of lime softening
EQUIPMENT	HydroBio® Gilumat	» Control of the biofilm with HydroBio®: a unique field test kit to measure the biofilm growth and optimize the dosage of biocide » Equipment for on-line control of our products, our biocides and the main water parameters (e.g. hardness) » Equipment for the operation of the cooling system (e.g. blow down control, special dosing programs) » Equipment for the on-line monitoring of key performance indicators like corrosion rate, scaling tendency and biofilm growth

* Use biocides safely. Always read the label and product information before use.

Your Partner for Comprehensive Solutions

Our network of technical service teams and sales representatives can provide you locally with reliable tailor-made solutions for your cooling water systems.

Our aim is to support you reducing water and chemicals consumption, focusing on environmental respect and sustainability.



Cooling Water Treatment - With care for the environment

Headquarters Germany
Switzerland & Benelux

BK Giulini GmbH

Giulinistraße 2
D - 67065 Ludwigshafen
Phone: +49 621 5709-01
Fax: +49 621 5709-286

BK Giulini GmbH

Niederheider Str. 22
Building Y20
D - 40589 Düsseldorf
Phone: +49 211 797 9190
Fax: +49 211 798 2262

www.bkgwater.com

www.bk-giulini.com

France &
North Africa

BKG France SAS

Bât. 5 -
24 avenue Joannès Masset
F - 6909 Lyon
Phone: +33 478 43 42 50
Fax: +33 478 83 34 78

Greece

BK Giulini

82 Georgiou Papandreou str.
144 52 Metamorphosi Attikis
GR - Athens
Phone: +30 210 28 37 559
Fax: +30 210 28 37 601

Poland & Central
Eastern Europe

BK Giulini

Polska Sp. z o.o.
ul. Farbiarska 19
PL - 02-862 Warszawa
Phone: +48 22 643 92 95
Fax: +48 22 643 85 02

Iberica

BK Giulini GmbH (sucursal España)

Camí de can Calders 8 A 2on 1a
08173 Sant Cugat del Vallès
E - Barcelona
Phone: +34 93 675 0345
Fax: +34 93 590 7393

Turkey &
Middle East

**BKG Water Solutions
Rotem Kimyevi Maddelar**

San. ve Tic. A.Ş.
Prof. Dr. Alaeddin Yavaşca sokak
Marmara Apt. No:4 Daire:8
TR - 34357 Macka - Istanbul
Phone: +90 212 258 49 58
Fax: +90 212 261 25 92

Italy

BK Giulini

Via Monteverdi 11
I - 20131 Milano

Phone: +39 02 295 164 53
Fax: +39 02 294 082 59

E-Mail: water.solutions@bk-giulini.com