



OIL & GAS:

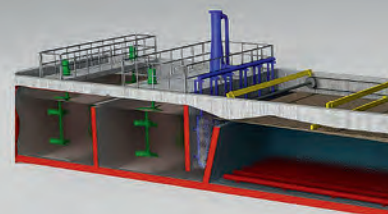
PRE-TREATMENT FOR WASTE WATER TREATMENT



API



CPI



DAF

Thinking ahead in pre-treatment: PROBIG® does more!

Certified PROBIG® complete solutions made from high-tech non-metallic materials fulfil the most stringent standards in the oil and gas industry. Leading companies in the petrochemical industry all over the world rely on our pre-treatment solutions for water and waste water treatment.

With decades of experience working with the PROBIG® key products API (American Petroleum Institute, standard 421), CPI (Corrugate Plate Interceptor) and DAF (Dissolved Air Flotation), our accredited installers implement solutions with special, approved and certified materials, which impress customers with their high levels of operational safety, energy efficiency and durability.

We are also able to modernise existing systems cost-effectively and efficiently.

PROBIG® systems are certified to the highest global standard for the most challenging demands:

- ISO 9001
- ISO 14001
- OHSAS 18001
- ATEX-certified for ex-zone 0



II 1 G c/b IIC T6

Certified for the highest demands





API tanks with floating GRP covers

API scrapers from PROBIG®: efficiency that pays off



II 1 G c/b IIC T6

API (American Petroleum Institute): Our API scrapers are designed in accordance with the API standard 421. Waste waters that contain solids and oily substances and have different origins (arising, for example, when washing tanks, storage areas and working areas) are collected in tanks and then treated in API tanks. First of all, floating substances in these tanks are removed using an oil skimmer. In the API tank, heavy sediments separate naturally, while the light substances rise to the surface.

Our solutions are as flexible as your requirements: PROBIG® develops the ideal scraping systems for use in abrasive and oily environments, depending on the application. We can offer you a wealth of complete systems and special solutions, such as oil skimmers (scum pipes, oil drums, screw conveyors etc.), GRP covers (surface and floating covers, barrels etc.), ATEX-certified scrapers (certified for ex-zone 0) and much more. Just ask us, and we will develop your customised solution.

The solutions developed exclusively by PROBIG® using high-tech non-metallic materials impress with their unbeatable advantages:

- More durable and resilient than all conservative materials
- Operationally safe and energy-efficient
- Considerably lighter and corrosion-resistant
- Reliable and maintenance-free operation
- Above-average lifespan



CPI chamber



CPI installations with covers



CPI coalescing units

CPI from PROBIG®: future-oriented solutions with vision

The CPI (Corrugated Plate Interceptor): The coalescing plate separator is used in a broad spectrum of applications for the removal of free oils and hydrocarbons from industrial waste water. The oil/water separator is ideal for applications in the oil and gas sector. PROBIG® solutions ensure optimal functionality and maximum reliability in operation.

- **Flexible:** CPI separators can be used for operations under pressure (cylinder-shaped tanks) or under atmospheric flow (in concrete or steel tanks).
- **Functional:** First of all, oily waste water flows through a sedimentation tank or an API separator, before it enters the CPI separator, where free oils are separated and removed.
- **Efficient:** Above the unit, the separated oil phase is skimmed off. The pure waste water flows upwards through the discharge chamber and over the adjustable waste water dam, before leaving the CPI separation system.



Dissolved air flotation



DAF scraper with sludge removal using a ramp and screw conveyor



High-performance saturation system for the production and insertion of micro-bubbles in the flotation tanks

The oil & gas industry has a clear first choice: DAF systems from PROBIG®

DAF (Dissolved Air Flotation): Dissolved air flotation is a proven and efficient physical/chemical process for the preparation of various types of industrial waste water. DAF systems are usually used for the removal of oils and fats as well as suspended solids and colloiddally dissolved substances, in order to respond to various requirements.

PROBIG® flotation systems with upstream PROBIG® Chemolution technology are also used for the treatment of industrial waste water from the oil and gas industry.



API tanks with floating GRP covers

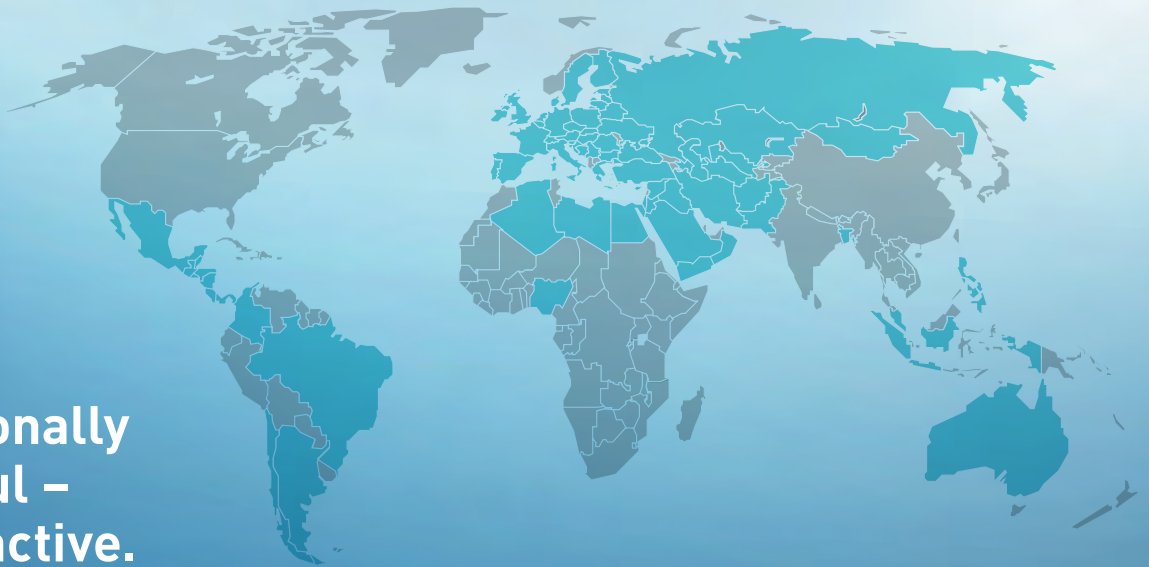


API tanks, gas-tight



DAF scraper, certified for ex-zone 0

Leading companies in the petrochemical industry put their trust in PROBIG®.



Internationally
successful –
globally active.

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SYSTEM CERTIFIED

ISO 9001:2015 No.06341/0-1
ISO 14001:2015 No.01214/0-1
BS OHSAS 18001:2007 No.00405/0-1

PRO SOLUTIONS FOR
WATER TREATMENT