



PAUTBAC II



WATER QUALITY



WATER QUALITY

VALIDATED OVER THE YEARS
IN A LARGE FIELD OF
APPLICATION

Solvay

Rhodia

Ineos

FPG Taiwan

Ciba Geigy

Sanofi

Aventis

PPG

Arkema

Asahi Glass

De Nora

Total

Samsung

Coca Cola

Lafarge

Mitsubishi

Petro Bras

Alstom...

APPLICATIONS

Drinking water

Quality control at all stages :
treatment, storage, distribution

Surface water

Study and design of surface
water monitoring stations

Waste water

Monitoring of industrial
or urban waste water

Process water

Quality control of
process water

Oil & Water

Oil in Water Detection &
Water in Oil storage tanks

PARAMETERS

TOTAL CHLORINE
FREE CHLORINE
MORPHOLINE
PHOSPHATES
AMMONIA
HYDRAZINE
COLOUR
PHENOLS
SILICA...

CHROMIUM VI
MANGANESE
ALUMINIUM
COPPER
NICKEL
IRON
LEAD
ZINC...

HARDNESS
THT
TA
TAC ...

CHLORIDES
CYANIDES
FLUORIDES
SULFIDES
ARSENIC
SULFATES ...

CERTIFICATIONS

Environment Organizations, Water production & treatment, Oil & Gas, Petrochemical industry, Refineries, Power stations, Paper mills, Metal, food and other industries, Oil rigs, Tankers, Etc ...

PROCESS CONTROL

Manufacturing industries

Drinking water

ONLINE water quality monitoring solutions for upstream and downstream purification processes.

Ensure the optimal quality all along the manufacturing and distribution network.

Process water

Integrated solutions for real-time water quality measurements suited to industrial processes.

ENVIRONMENT

Environmental protection and pollution control.

Surface water

REALTIME Monitoring stations or mobile laboratories, for the protection of surface water, spring water, rivers and groundwater.

Sea water

Prevention of sea water by hydrocarbon wastes: Oil tankers, Oil Rigs, Refinery wastes.



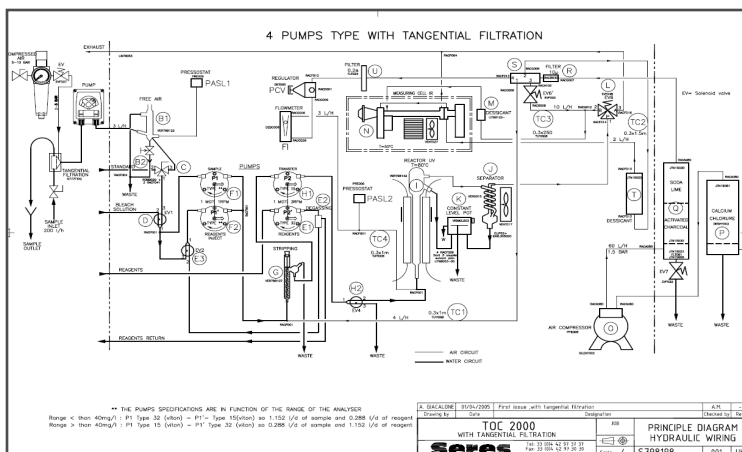
WATER QUALITY



AquaGas Scope of supply

From a stand alone analyser to a complete monitoring station (stationary or mobile) , AquaGas supplies turnkey systems fully integrated meeting the Australian standards and matching the exact project requirements.

Our system are delivered with a full set of documentation and a minimum warranty of one year which includes 24h/7 days email and phone support.



PAUTBAC II

Automated Tank DEWATERING system

Description

The **PAUTBAC II** is the best suited system to automatize water drainage from oil storage tank. With its **capacitive probe**, it is a flexible, economical and reliable system capable to handle the crucial but time consuming task of **oil tank dewatering** without the need for human attendance. **PAUTBAC II** is designed to be install online and is a fully automatic system.

Applications

Oil & Gas refineries, oil drilling plants, energy, petrochemical and petroleum industries, tank farms, oil storage and slop stations, platform and ships.

Installation

A **Teflon coated capacitive probe** is inserted in an explosion proof circulation chamber mounted in the tank draining pipework. The probe measures the **dielectric constant** to detect the interface between oil and water. The control unit processes the probe signal to control the tank purge valve operation.



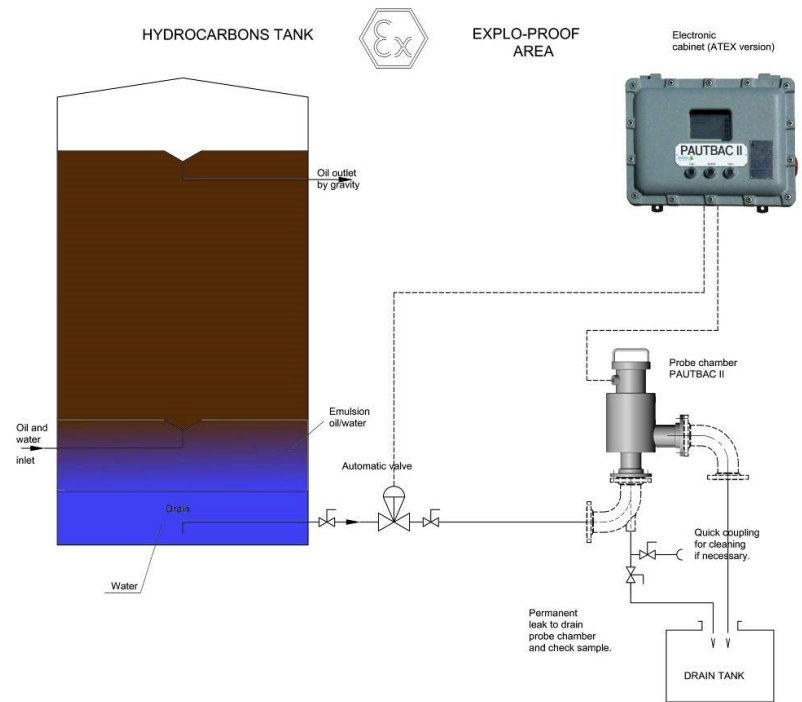
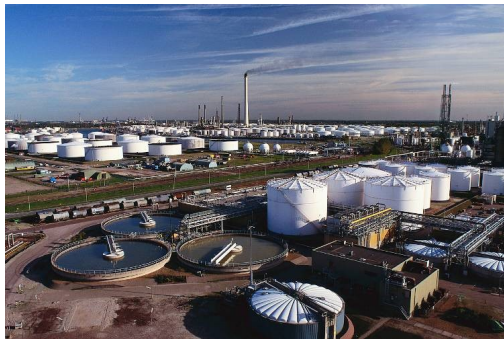
Automated OIL tank DEWATERING



Why Choosing PAYTBAC II

- | | |
|---|---|
| ↳ IMPROVES TANK NOMINAL CAPACITY | ↳ MAINTENANCE FREE, PURGE TIME COUNTER AND AUTO-STOP FUNCTION |
| ↳ ENSURES SAFE PURGE OPERATIONS | ↳ NO TANK MODIFICATIONS REQUIRED |
| ↳ ELIMINATES MANUAL HANDLING AND INTERMITTENT ATTENDANCES | ↳ AUTOMATED FULLY PROGRAMMABLE SYSTEM |
| ↳ DECREASES OIL LOSSES AND HYDROCARBONS RELEASED | ↳ ADJUSTABLE THRESHOLD FROM 5 TO 25% |
| ↳ PREVENTS BACTERIAL CONTAMINATION | ↳ SUITABLE FOR ALL TYPE OF HYDROCARBONS |
| ↳ ATEX AND APPLICATION SPECIFIC ENGINEERED VERSIONS AVAILABLE | ↳ INTUITIVE INTERFACE THROUGH TOUCH SCREEN |

System overview



OPAL Specifications

CONSTRUCTION & ENVIRONMENT

Dimensions	Control unit (CU) ATEX 398x298x205 mm (W x H x D)
Weight & Material	Non ATEX CU: 360x244x170 mm
	ATEX CU 35kg
	Non ATEX CU 4kg
	Circulation chamber 70Kg
	CU & CC: Stainless steel
Environment	Suitable for potentially explosive area
& Protection	CU: certification ATEX INERIS 03 ATEX2010-category II G, Ex d IIB + H2 Ex Td A21 CC: certification LCIE 04 ATEX6073, Ex d IIC T6

Ambient T° 5 to 50°C

ELECTRICAL UTILITIES

Power supply	110 - 240 VAC 50 / 60 Hz
Consumption	30VA

ANALYSIS

Principle	Capacitive probe
Range	5 to 25% with adjustable alarm threshold (factory set at 5%)

OPERATION

Emergency	Stop PUSH button
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Valve	Not inc. in AquaGas scope of supply. Please contact us for valves required specifications.
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Automatic Drain adjustable settings	Purging frequency: from 1 to 999 hrs Max. purging duration: from 1 to 30 min Valve and Purge line flushing: from 0 to 99sec
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CONNECTIVITY, ALARMS & COMMUNICATION

User interface	Colour LCD display, touch-screen
Data retrieval	Transfer via USB port (sealed USB connection)
Digital Output	Valve control: dry contact output (relay) or 24VDC Oil detection: dry contact output (relay) Instrument fault: dry contact output (relay) Option: Spare dry contact output and buzzer control
Analogue output	4-20mA (or 0-20mA) oil content signal
Communication	RS485 JBus (IO) Serial output RS232

SAMPLE SUPPLY

Sample inlet	Flow : 5-30m3/h Temperature: 5 to 85C Pressure max. 3 bar
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Process water

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ENVIRONMENT

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Surface water

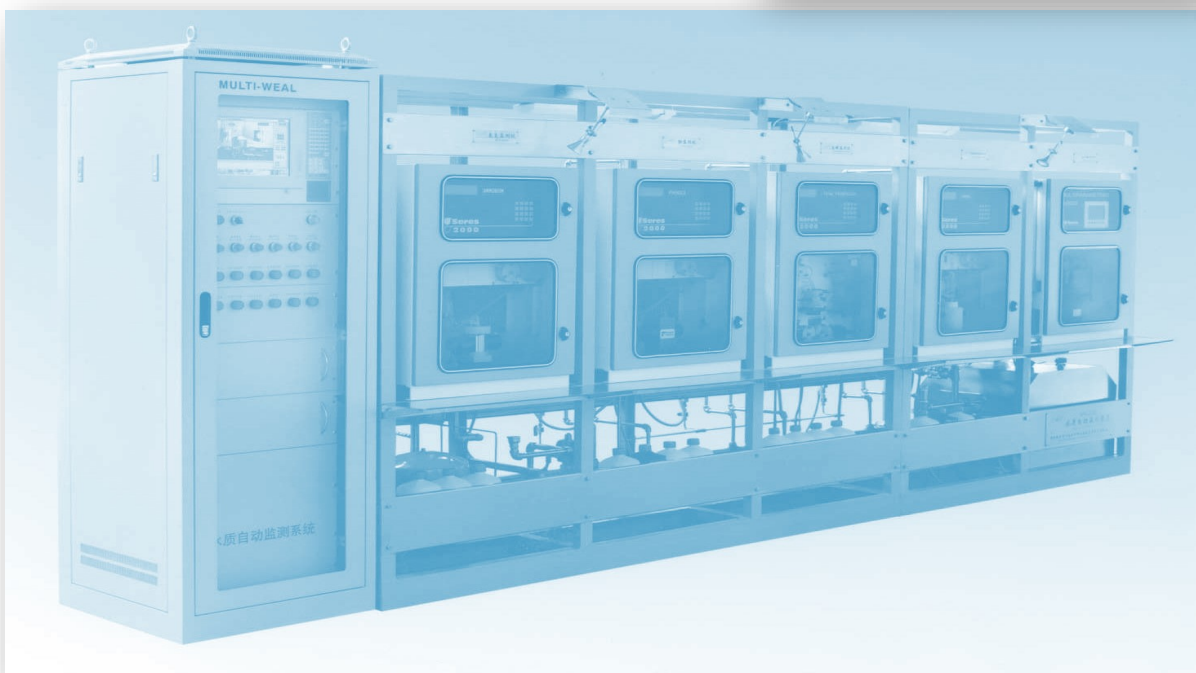
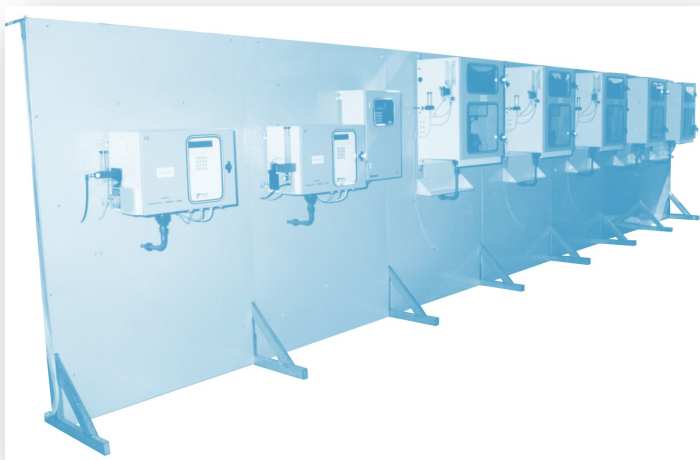
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Sea water

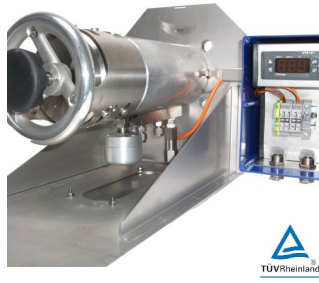
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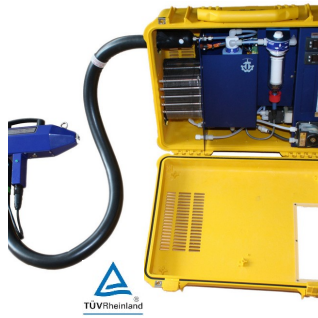


AquaGas Products and Services



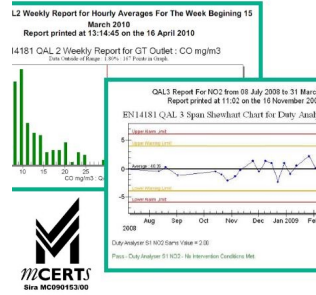
CEMS

System INTEGRATION
& Innovative
SAMPLING solutions



STACK TESTING

Portable equipment
for short term
measurement



DATA ACQUISITION

States EPA approved
Data Acquisition and
Handling Software



ONSITE

Maintenance
commissioning
Training



*"For the Environnement,
excellence comes as a standard"*

AQUAGAS SYSTEM INTEGRATION

More than 14 years of experience in **environmental monitoring**, AquaGas commitment in implementing innovative, reliable and cost effective solutions is undeniable. Our main focus is to meet your application requirements in due time while maintaining high quality service and relationship.

We have the **skills, products and services** in house with a full dedication to your monitoring needs, so please contact us when it comes to **environmental monitoring and industrial analysis**.

SERES Environnement analysers

SERES Environnement (FRANCE) is one of the major actors in the field of online analysis dedicated to **Water Quality Monitoring** in the industry and the environment. Outstanding experience, attentiveness, innovative and effective solutions are the strengths of SERES while meeting everyday challenges.

The ideal partner for Australian water quality monitoring.

Contact Us

Give us a call for more
information about our
services and products

AQUAGAS Pty Ltd

OFFICE BRISBANE

Unit 3

3 Wirranina Place

CURRUMBIN QLD4223

1300 850 862

(07) 5525 0600

Visit us on the web at
www.aquagas.com.au



INTEGRATED SOLUTIONS TO MONITOR OUR ENVIRONMENT