

2012

BAMO

Liquid Control Solutions



CONTROL pH
Dissolved oxygen
Chlorine
Conductivity
Water hardness
Turbidity

LEVEL
FLOW
TEMPERATURE
PRESSURE
PLASTIC VALVES



Phone: +33 (0) 130 258 520 – <http://www.bamo.fr>

EUROPEAN COMPANY FOR INDUSTRIAL INSTRUMENTATION

pH – Dissolved oxygen

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Amperometric sensors

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Conductivity

Page 5



Water hardness

Page 6



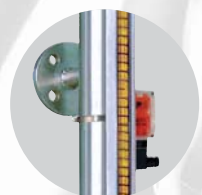
Turbidity

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Temperature

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Flow

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Pressure

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Plastic Valves

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Plastic Valves

Page 19



Visit our Website
<http://www.bamo.eu>

BAMOPHOX 106 pH/mV meter

Measurement of pH or ORP (*Redox*)
in industrial process
2 line display, alphanumerical
for simultaneous indication of the
measured value plus the temperature

Ranges: 0...14 pH and ± 1000 mV programmable
Automatic or manual temperature compensation
Output signal (2): 0/4 - 20 mA (*parameter and T°*)
Relay output: 4 alarm contacts

FACTORY OPTIONS:

- Data-logger and RS 422 interface
- Integrated web server communication

106-01



9300

Immersion probe holder

Designed for pH, ORP and conductivity electrodes,
plus temperature probe

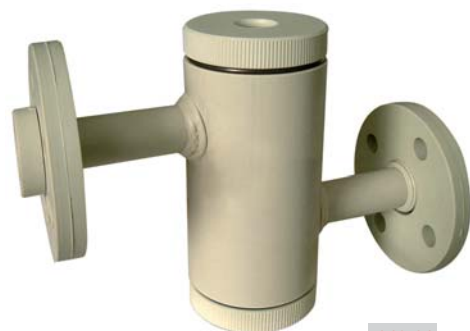
Various fittings are available for immersion at the
point of measurement

OPTION: Self cleaning system



9200 pH or ORP continuous flow cells

For 1 to 3 electrodes pH, mV
PVC or PPH material
Various process connections available



140-01

9240 In-line electrode holder for pH and ORP electrodes

PVC material
Various process connections available



140-02

DISSOLVED OXYGEN

AQUAPLUS™ Optical sensor

- Measuring up to 50 mg/l
or up to 500% in saturation
- Numeric signal compensated
in temperature and salinity
- Low maintenance
- No water flow required
- Interference free towards
suspended solids

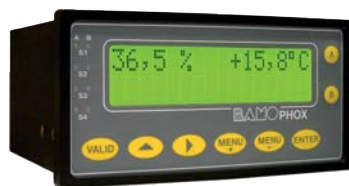
451-01



BAMOPHOX 451 LOG Monitor

451-02

- Display and control
- Logger included
- Recording on memory card
(up to 150 000 records)
- Phoxlog software included



AQUAPLUS™ Probe holder

PVC tube Ø 50
Standard length 2 meters, with protective sleeve
3 mounting types

Industrial electrodes pH or ORP measurement

Combined electrodes
Universal S7-head,
Connection: 13.5 Pg thread



150-01

Chlorine • Amperometric sensors

CC1

Closed cell with diaphragm, 3 electrodes

For swimming pool water monitoring

Water sample may not contain surface-active additives.

Range: 0.01 to 10 ppm
Output signal: 4-20 mA
Pressure limit: 0.5 bar
Temperature limit: 1...45 °C



193-06

AS 2/3

Opened cell, 3 electrodes

For industrial hot water, drinkable water, cooling water, process water

Without diaphragm

Range: 0.01 to 5 ppm
Output signal: 4-20 mA
Pressure limit: 8 bar
Temperature limit: 5...70 °C



193-13

CCK

Opened cell, 3 electrodes

For industrial hot water, drinkable water, cooling water

Range: 0.01 to 4 ppm
Output signal: 4-20 mA
Pressure limit: 6 bar
Temperature limit: 5...70 °C

With automatic cleaning system



193-12

BAMOCHLOR 192

Opened cell, copper / platinum

For swimming pool
Free active chlorine monitoring

Range: 0 to 5 ppm
For BAMOPHOX 192
Pressure limit: 0.2 bar
Temperature limit: 0...40 °C

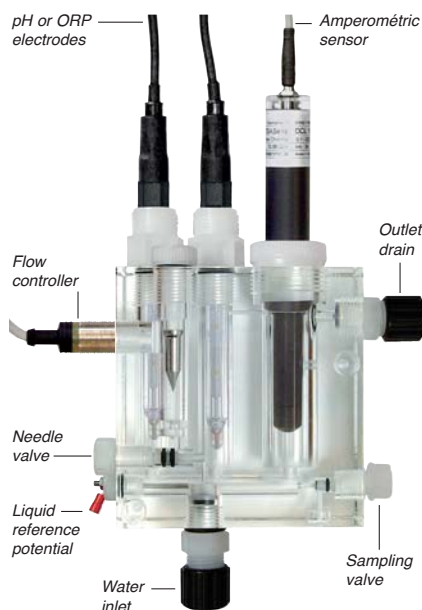
Self cleaning



192-01

Free chlorine
Total chlorine
Chlorine dioxide
Ozone
Hydrogen peroxide
Peracetic acid

- Large measuring ranges
- Limits up to 70°C and 8 bar
- Unnecessary zero adjustment
- Answering time < 2 min
- Temperature compensation built-in
- Easy to use and to fit
- Long life electrodes
- Reliable measurement through time



- Adaptation to existing systems
- Minimal and steady flow rate
- Flowless detection
- Low maintenance cost
- Only one spare part:

☞ Endcap with diaphragm

BAMOPHOX 194

Amperometric signal monitor

Parameters according to the sensor in use:
Free chlorine, Total chlorine, Chlorine dioxide,
Ozone, Hydrogen peroxide, Peracetic acid

194-01



193-95

Measuring cell

Complete measuring system with assembly

For swimming pool, Process water, Cooling water



Conductivity probes for BAMOPHOX

BS-BC, TOR, series

In-line or immersion measurement

Probes or inductive measuring system

Cell constant, 0.01...10

Integrated Pt100 probe
for temperature compensation

Coaxial cells materials:
Stainless steel (PTFE seals)

Probes and holders materials:
PVC, PPH, PVDF, Stainless steel

TOR sensor material:
NORYL®

Different process connections,
housing, cable or connector output



360-01 364-01

BAMOPHOX 322

Monitor and controller MΩ - mS

Programmable scales:

0...200 Ω up to 0...20 MΩ

0...2 μS up to 0...20 mS

TOR version, 0...2 mS up to 0...2000 mS

Convenient probes:

With cell constant, 10 ; 1 ; 0.1 ; 0.01
or with TOR sensor

Automatic or manual temperature
compensation

FACTORY OPTIONS:

- RS 422
- Logger 150 000 records
- Ethernet connection



322-01



TOR probes mounting:
On line, or by immersion

364-01



BAMOSOFT *Smart* Water hardness controller for water softening systems

Preset limit value at 10% of raw water hardness

BAMOSOFT Smart monitors a preset residual water hardness threshold value from the outlet of the water softener system. Threshold value is fixed at 10% of inlet raw water hardness.

Example with tap water:

- Raw water hardness inlet = 12.6 °e (or = 18 °f)
- BAMOSOFT Alarming when softened water outlet is > 1.26 °e (or > 1.8 °f)

375-01



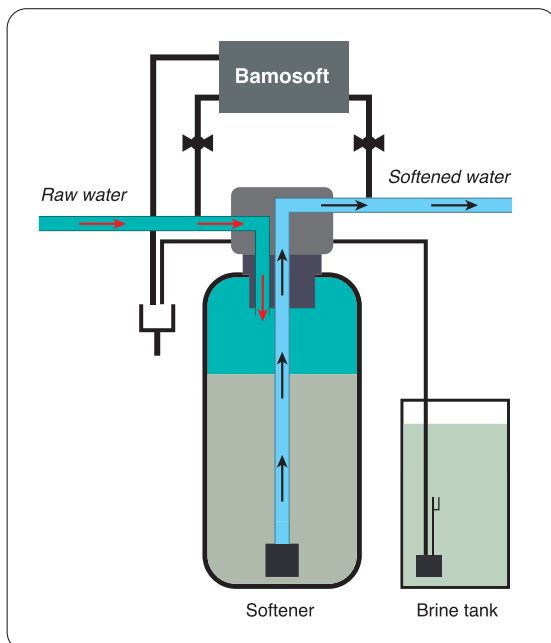
BAMOSOFT *Control* Water hardness controller for water softening systems

Set up value from 0.25 to 10% of raw water hardness, 4-20 mA signal output

376-01



with calcium and magnesium
ion selective electrode



Fit any water softener system
Controller and survey monitoring
Plug and play, respect of environment
Reagent free
Continuous system self-diagnostic
Easy installation, and operating

Turbidity measurement

Using absorption and 90° scattered light technology in accordance with **ISO 7027**

TURBICUBE

In-line turbidity transmitter

- Drinking water plants
- Raw and waste water
- Phase separation, filtration

Measuring range: 0.01...1000 FNU
Output signal: 0/4-20 mA

Immediate connection to **BAMOPHOX** monitor, data logger and regulator



444-01



436-01



BAMOPHOX turbidity monitoring

TURBISENS

Turbidity transmitter, Immersion Probe

Compact transmitter 4-20 mA
High resolution from 0.01 FNU

Integrated 4 digits display for:

- Actual value
- Programming
- Settings



443-01

Turbidity control

TURBISWITCH GS4

Turbidity controller

- Control on phase separation milk/water
- Drinking water quality survey
- Diaphragm filtration efficiency
- Survey on separation, centrifugation



410-02

CP2

Immersion probe for turbidity control

For open channel flumes and sludge level monitoring

To use with TURBISWITCH GS4

425-02



GA..

Armatures for turbidity control

Sensor fixture with emitter and receiver
To use with TURBISWITCH GS4

421-01



MUDLine® TGS

Portable sludge blanket level monitor

Battery powered

Mud level detection in primary and secondary clarifier, thickener and other applications

Useful also in rotten black sludge

Sludge level monitoring in small sewage plants

Immersion depth: 10 m as a maximum

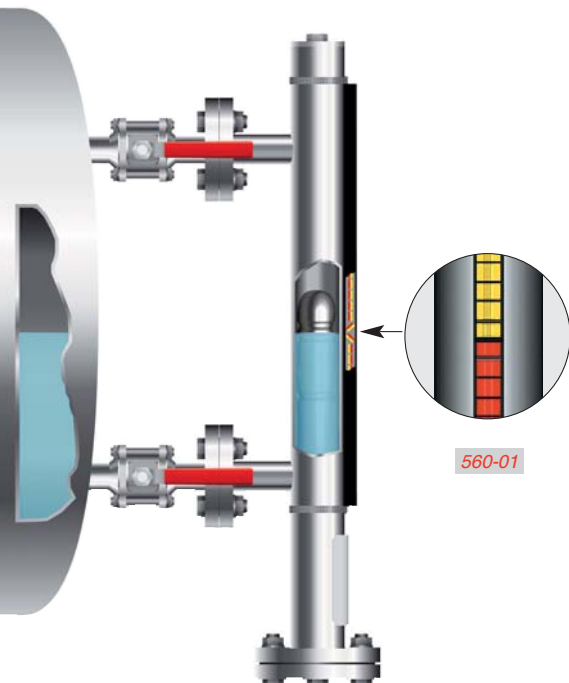
426-01



Level indicators

MAGTOP Line Indirect reading

High mechanical resistance and totally safe
For dangerous products: hot water, alkalis or acids, etc...
Materials: Stainless steel, PVC, PP, PVDF
Connections: Flange or BSP threaded
Output signal: 4-20 mA and/or level switches



FS4 Local indicator, Tank top fitting

For liquids,
with or without
particles
Materials:
PVC or PP

584-01



GNR5 Local indicator, Level control

Glass
or transparent
PVC tube

Magnetic float:
PP

Connections:
Flange
or BSP threaded

571-01



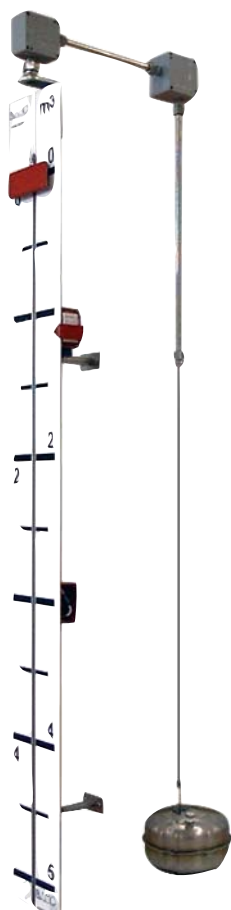
JAR Stainless steel Cat & Mouse

Level indicator
with metallic parts

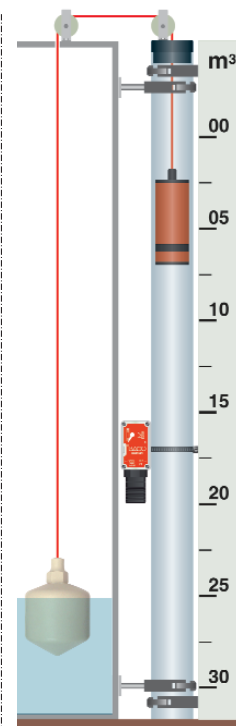
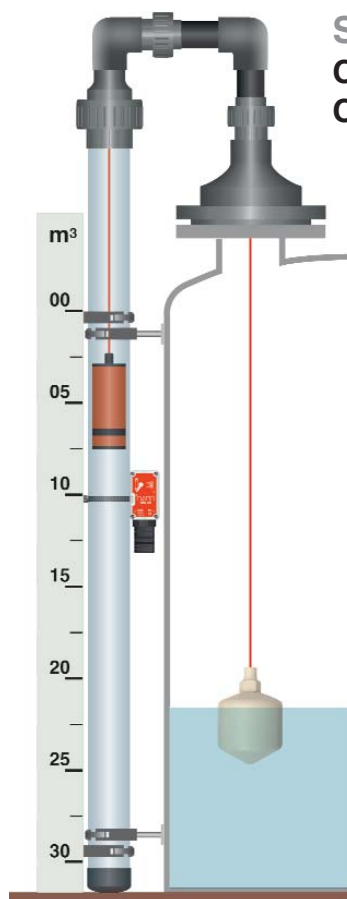
Wide scale
Graduated in %, m³, L
Long height possible
Protected pulleys
with a no jump system

Sections of 1500 mm,
adjustable total length

582-01



SFA series Cat & Mouse Cable operated level indicators



Standard model
Gas tight cable operated
level indicator
Reduced path model

OPTIONAL
ACCESSORIES

Bi-stable level switches:
BSM 501 or BRK 60

Continuous level
transmitter:
4-20 mA output

Graduated rulers:
%, Height, Volume

583-01

583-02

Level switches

BRK 60 - BSM 501 - BSM 515

Level switches

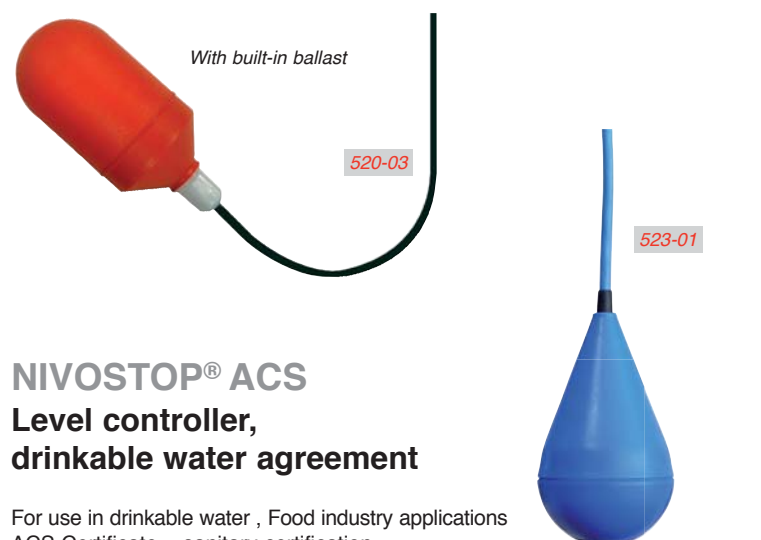
Mounting on Stainless steel, PVC and PP tubes
 Fixing: Stainless steel or plastic collar for pipes,
 For diameter: 32 or 63 mm.
 1 changeover contact: 500 VA, or 60 VA



NIVOSTOP®

Switch level floats

Large range
 For waste water and sewage
 pumping systems, sumps shafts etc...
 With built-in ballast
 With different cables
 With different shapes



NIVOSTOP® ACS

Level controller, drinkable water agreement

For use in drinkable water , Food industry applications
 ACS Certificate = sanitary certification



Graduated rulers

For SFA, GNR 5 and MAGTOP series

Unit: %, height, Volume, Mass/Weight



Any ruler with a length
 over 4.6 m is delivered
 in 2 parts.
 (the fitting for assemble
 is included).

A drawing for acceptance
 is submitted before we
 manufacture the ruler.

583-03

Accessories

A complete set for your level indicators

Floats, magnetic counterweights and pulleys
 Fit the SFA, GNR 5 series and MAGTOP systems



Level detectors

ES 2001 Level control relay

For electrically conductive liquids
On/Off level controller using 2 rods
Level regulation using 3 rods
Pump automation, protection
Alarm signals

530-01



STE Resistive level probe

1 up to 5 electrodes
Rods are in stainless steel or titanium

540-01



TVI Resistive level probe

1 up to 4 electrodes
Metal - PTFE
Process connection:
Gas or NPT
Head housing:
Cast aluminium

541-01



HE & HS Cable suspended resistive level probes

2 types: for aggressive or neutral fluids
Materials:
Stainless steel, 1.4571
Carbon-glass

542-01



EF Level electrode

For well and bore-hole
Compactness
Material:
Stainless steel

542-02



MNR 6, MNR 7., MNR 7/EX Magnetic float level controllers

1 to 6 changeover contacts
Length up to 3000 mm
PVC, PP, PVDF, Stainless steel
Certification for category 1 (Zone 0)



551-01



550-01



550-03

MEMPRO S6 Hydrostatic level controller

Convenient for level controls on non-pressurised tank

- 4 switching points, adjustable over all the measuring range
- Convenient for aggressive and loaded fluids even viscous or / and sticky fluids
- Range: up to 10 m Water Column
- Reliable, without mobile assembly

592-03



Level detectors

Overfilling and leakage protection

MAXITOP Compact overfill sensor

Universal use for electrically conductive, non-flammable water endangering liquids

556-01

According
WHG § 19
in Germany,
the series is called
MAXIMAT® C.

No moving parts
Process connection
BSP 2", PVC, sliding
Stem PEHD: Ø 40 mm
Adjustable
immersion depth



SHR CS Measuring transducer

Alarm signal relay
for leakage or overflow
transmitters

555-06



TC4 Signaling device 4 sensors input

4 surveying channels
for leakage or overflow
transmitters

555-07



MAXITOP LW-C Leakage sensor

Universal use for electrically conductive, non-flammable water endangering liquids

556-03

According
WHG § 19
in Germany,
the series is called
MAXIMAT® LW-C.



Stem: PEHD, Ø 40 mm
(Ø 25 on request)

With fastening angle and
adjustable thread joint
or with cap and
adjustable thread joint

Leakage, inundation and humidity detection

LISA Liquid Intrusion Safe Alarming system

LISA system or "Liquid Intrusion Safe Alarming", is designed for alarming as soon as humidity or a drop of water is detected on a ribbon like sensor. The fail safe alarming system LISA includes, as a minimum, one ribbon sensor or one-point detector, plus one alarm relay ES5000.

LISA system is dedicated for leakage detection on water distribution (*pipes, sprinklers*) and alarming in case of water, condensates or humidity in areas where water is prejudicial for equipments:

- Computers, electronic devices, machinery
- High electric power station
- Computer rooms, medical equipments
- HVAC moisture prevention - Museum - Stores, etc...

544-03



BES Leakage Detection

Conductive sensor,
stainless steel electrodes
Floor water detection

544-04



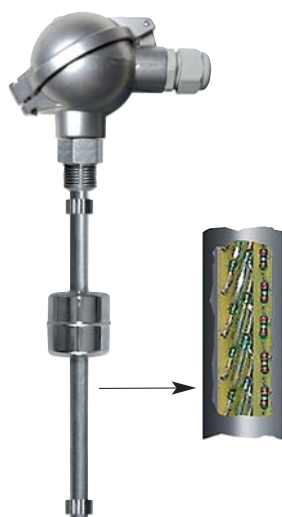
Level transmitters

RTM Continuous level transmitter

Signal output: 4-20 mA
Step: 10 mm

The RTM is adapted to our level indicators MAGTOP, SFA, MNR 6 and MNR 7.

586-01



MEMPRO® Hydrostatic level transmitter

Universal use in open tanks
Reliable operation, even with aggressive, viscous, contaminated and crystallising liquids. The measuring cell is not in contact with the medium.

Range: up to 10 m WC
Wetted parts: PVC, PP, EPDM or stainless steel
Measuring cell: Ceramic
Output signal: 4-20 mA

592-..



Ex version:
EEx ia IIC T6 ZONE 0

BAMOFLEX TDR Level transmitter

A TDR Probe is working as a Time Domain Reflectometry application.

TDR Probe, 4 wire technique
Continuous measurement, 4-20 mA output signal
Scalable from 100 to 6000 mm
Pressure limits: -1...40 bar
Accuracy: ± 3 mm
ATEX versions: II 1/2 G – II 1/2 D

546-01



NIVAPRESS Hydrostatic level transmitter

Convenient for measuring clear liquids, stored in tanks and wells.
It is recommended for monitoring and control of submersible pumps systems.

Sensor and probe: Stainless steel 316 L
Diaphragm: Hastelloy C276
Cable: PUR (polyurethane)
Output signal: 4 to 20 mA, (2 wire technique), or 0 to 10 V (3 wire technique)
Scale range available from 1 to 500 m WC
Version ATEX available: ATEX Ex II 1G EEx ia IIC T4 / T5 / T6

590-03



BAMONIV Hydrostatic level sensor

Construction: PVDF
Level measurement of aggressive and corrosive liquids

Process connection: PVDF - BSP 1 1/2" - DIN 3852
Range: from 0.06 up to 10 m WC
Output signal: 4-20 mA, two wires

591-02



EVEREST 214-S 4 Limit value relays

Measuring amplifier 4 adjustable thresholds for two 0/4-20 mA sensors

Adjustable hysteresis
2 channels 0/4-20 mA
with programmable scale 0 to 25 mA

232-04



BAMOBUL Level measurement Air bubble principle

Air generator with flow rate regulator for level measurement in open channel flumes

Wall mounting housing
IP 55, with pressure sensor
Convenient for charged or foaming effluents

Measuring range: 0 to 500 mm WC
Output signal: 4-20 mA

758-01



NIVOIL®

Alarm system for oil-water separator

Designed for the monitoring of hydrocarbon fluids separators, the converter NivOil® may be connected to 1, 2, or 3 sensors. The 3 sensors may be connected to any input.

Hydrocarbon fluid layer thickness sensor to detect when the maximum thickness is reached.

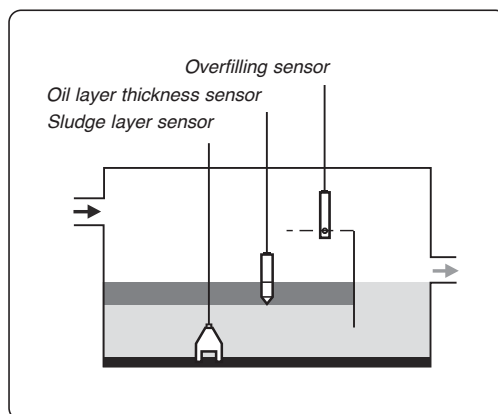
Overfill sensor to detect when the fluids are on the highest level

Sludge layer sensor to alarm when maintenance is necessary.

- ATEX certification
- Main power supply 230 V AC / 50 Hz, or 10...27 V DC
- 3 inputs, for any NIVOIL probes
- Automatic recognition of type probe
- 3 relay outputs
- Audible alarm disable by DIP switch
- Front system drawing with lightning alarms
- Wall mounting cabinet, IP 65
- Suspended cable probes with 10 m long cable



531-..



Oil-water separator



BAMOBX SOLAR (BBS) Autonomous system for oil-water separator

A complete system BBS will power an alarm unit NivOil® 10...27 V DC when no main power supply exists in the field.

- Autonomous complete system
- Field installation
- Solar panel powered and battery
- Pole clamp fitting or wall mounting
- Battery protection against discharge and overload
- Solar panel own fitting support

OPTIONS:

- Flashing light (*Short distance survey*)
- GSM (*Large distance survey*)

T 700

Gas actuated thermometers

Suitable in the food, pharmaceutical, chemical and petrochemical industries.

Case diameter:
100 mm, 150 mm

Accuracy:
Class 1 (according to EN 13190)

Scale ranges: -200...+600°C

Case and ring:
Stainless steel, AISI 304
Bayonet type ring IP65 - EN 60529 /IEC

Measuring element:
Inert gas pressure system (no toxic)



696-02

T 500

Bimetal thermometers

Case diameter:
100 mm, 125 mm, 150 mm

Accuracy:
Class 1 (according to EN 13190)

Scale ranges:
-70...+30°C up to 0...500°C

Case and ring:
Stainless steel, AISI 304
Bayonet type ring IP65 - EN 60529 /IEC

Measuring element:
Helicoidal bimetal sensor

Zero adjustment:
On the rear back by screw adjustment

Stem:
Stainless steel, AISI 316
Ø. 6 mm – Ø 6.4 mm – Ø 8 mm



696-01

TW

Thermowells

Protect delicate sensing elements
against corrosive effects

Permit instrument interchange
or calibration check without disturbing
or shutting down the process.

Selected according to pressure,
temperature, flow, vibration and
corrosion service parameters,
basic thermowell types include:

- Barstock execution or welded execution
- Threaded
- Socket weld
- Flanged

Standard materials: AISI 316, 316-Ti,
304, 321, (Others on request)



635-02

Thermocouple sensors

Stainless steel 316,
INCONEL 600 ...



Pt 100 Ω Probes

Stainless steel, PVC, PP, PVDF
Range: -200 ... +600 °C
Output signal: 4-20 mA,
or 3 wires



611-01

613-01

TC 400/410 Temperature switch

Range: -200 ... +600°C
2 switching outputs
or 1 switching output
+ 1 analogue output



609-02

ITU 402 / 412

Panel mounting indicator, 2 relays

Inputs: mA, V, Pt 100, Ni 100, TC
Main power input: 21.6...253 VAC / 50-60 Hz
or 19.2...300 VDC
Sensor power supply: 15...25 VDC / 0...20 mA
Housing: IP65, black polycarbonate, 48 x 96 mm
Outputs relays: 2 change over contacts 230 VAC
Analogue: 0/4-20 mA, 800 Ω as a maximum

222-03



BAMOPHOX 759

Flow calculator

Programmable for level, instantaneous flow, daily volume, permanent cumulated volume
Also within memorized curves for VENTURI, V or U overflow weir
Input signal: 0/4-20 mA
Output signal: 0/4-20 mA
4 adjustable limit relays
Wall mounting housing IP 65

FACTORY OPTIONS:

- Data-logger and RS 422 interface
- Integrated Web Server communication device



759-02

Ultrasonic transmitter



DEBITFLO

Venturi channel

Flow-rate measurement in open channel flumes
Standard: ISO 4359
Long-lasting composite material
Available in a range of 10 sizes, up to 2500 m³/h
With or without approach channel

755-01

BAMOBUL

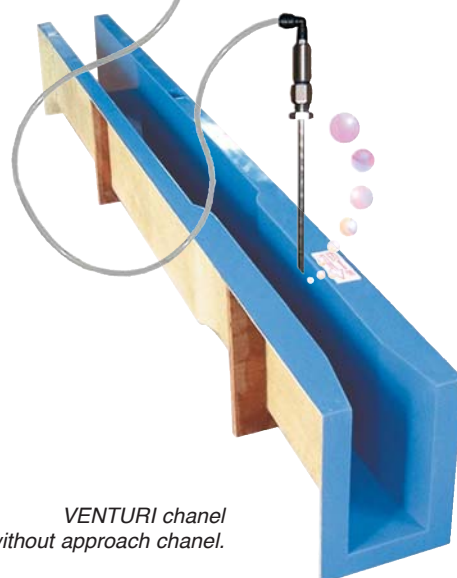
Level measurement

Air bubble principle

For level measurement in open channel flumes
Direct link with BAMOPHOX 759
Wall mounting housing IP 55 with pressure sensor
Air generator with flow-rate regulator
Convenient for charged effluents
Measuring range: 0 to 500 mm WC
Accuracy: $\pm 1\%$
Output signal: 4 to 20 mA



758-01



VENTURI channel with or without approach channel.

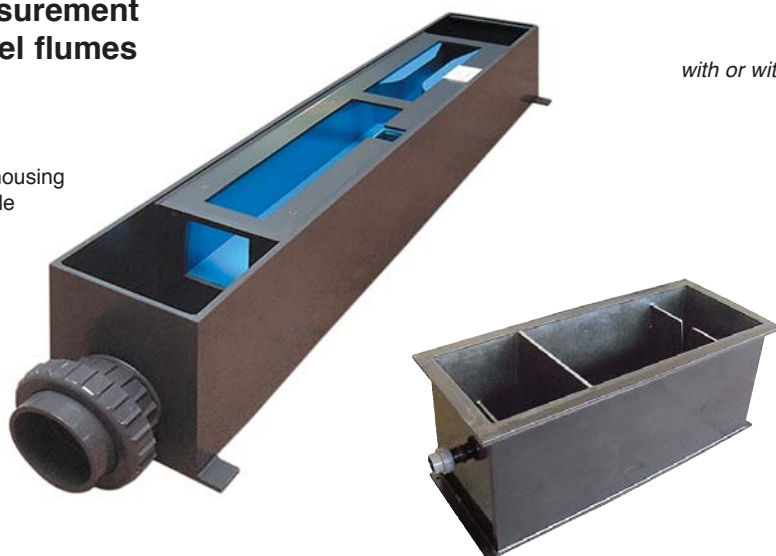
V-notch Weir plates & VENTURI

Flow-rate measurement in open channel flumes

PVC or PEHD material

FACTORY OPTION:

- Integration in plastic housing for a simple and mobile installation



DEBITBAC

Overflow weir

Standard: ISO 1438/1-1980
Measuring range: 1 m³/h to 400 m³/h
V-angle from 20° to 90°
Materials: PVC or PE

755-02

G6/5-250, C6/5-250 Flow rate indicators

The transmission of the diver position to the display is magnetically operated.

All scales for liquid or gaseous fluids

Materials:
Stainless steel 316, PTFE

Connections:
ND 15 ... ND 100
(*250 mm between the flanges)

741-01



E serie Flow rate indicators

Glass tube

Flow meter with diver, for liquid or gaseous fluids

Tapped or flanged connections

795-01



BV-BR, CDA, BMV, DUM, DUG Flow monitors

For water, air or oil – Brass or stainless steel materials

- Visualization and flow control by float (BV, DUM series)
- By side analogical indicator (BMV, DUM series)

Process connection: 1/4" ... 1" 1/2

Free of viscosity changes effect up to 600 cPs



720-01



721-01



722-01

CDSP Paddle flow switch

For liquids

Process connections:
Stainless steel 316 Ti,
or brass – ND 25 ... ND 200

Adjustable contact

30 bar / 120°C max

712-01



BAMOFLU Magnet paddlewheel flow meter

Low pressure loss

Construction:
PP, PVDF, Stainless steel

Fit pipes:
ND 15 ... ND 600

Flow speed from 0.8 to 6 m/s

Supply voltage: 24 V DC

780-01



BAMOMATIC Electromagnetic flow meter

• The most competitive on the market

Calibrated individually on the test bench to a precision better than ± 5 pulses /1000

Convenient for small flow rates between 0.1 and 150 l/min

No pressure loss

Only for conductive liquids (minimum 20 $\mu\text{S}/\text{cm}$)

No influence of density, neither of viscosity, temperature or pressure

WETTED PARTS

Electrodes: Stainless steel 316 L

Process: PVDF, (POM on request)

775-01



IDP - PDP Variable area flow indicators

For aggressive or neutral fluids
Corrosion and shockproof

Construction: All in plastic materials
PVC - Trogamid (PA) - Polysulfon (PSU) - PVDF

Ranges: Water - HCl - NaOH - Air

Direct reading plus 2 set point indicators

Alarm contacts in option

Accuracy: Class 4

Radial mounting: Vertical, ascending flow

IDP model: 0-50 m³/h water in 12 scales

PDP model: 3 to 1500 l/h water in 9 scales

ACCESSORY: Alarm contacts

730-01

731-01



Complete range for:

Water industry, Oil industries, Food industry, Energy

Electronic pressure transmitters, differential manometers, pressure or vacuum switches supplied alone or mounted on gauge guards

Pressure gauges

- Bourdon tube pressure gauges, stainless steel case dry or filled
- Differential pressure gauges
- Absolute pressure gauge "All stainless steel"
- Pressure gauge with switches

Stainless steel gauge guards

- Threaded process connections
- Flange-type
- Diaphragm seal "Mini"
- Sanitary connections
- High pressure diaphragm seal

Filling & calibration bench



812-..



SPM 903

Gauge guards, all in plastic

The pressure gauge guards SPM 903, are suitable to protect the pressure sensors against the destroying effects of aggressive fluids

Upper cover: PPG, glass fibre reinforced Polypropylene

Base plate: PVC-U, PP, PVDF

Diaphragm: EPDM, PTFE coated

Process connection: BSP 1/2" Female - Ø 32 mm - ND 25

Pressure limit: 10 bar at 20°C as a maximum

Temperature limits:

0...+60°C with PVC-U base plate

+10...+80°C with PP base plate

-30...+100°C with PVDF base plate

903-02



Examples of applications



Flush diaphragm Pressure transmitter

Output: 4-20 mA, 0...5 V DC, 0...10 V DC

Accuracy: 0.5% or 0.25%

Measuring range:

Relative pressure -1 to 600 bar

Connections:

1" - DIN 16 288 (≤ 0...1.6 bar)

1/2" - DIN 16 288 (≥ 0...2.5 bar)

805-01



Industry serie Pressure transmitter

Output: 4-20 mA, 0...5 V DC, 0...10 V DC

Accuracy:
0.5% or 0.25%

Measuring range:

Relative pressure -1 to 1000 bar

Connection: 1/2" - DIN 16 288

805-02



PE 400/410

Electronic pressure switch

The pressure switches PE 400/410 with display provides continuous pressure monitoring. Configuration of the set points without pressurising.

2 switching outputs

or 1 switching output + 1 analogue output

Accuracy: 1.0%

Max pressure: 1200 bar

Display 4 digit LED, 2 programming keys

Measuring range:

-1 to +700 bar

Operating temperature:

80°C max

Connections:

BSP or NPT thread 1/4" or 1/2"



825-01

SDD 911

Pressure relief valves

A pressure relief valve SDD 911 limits the static pressure to a maximal settled value by opening the outlet (to the discharge line) when the pressure is overriding.

Pressure:
Class PN 10 (at 20°C)

Set up range:
0.5 to 10 bar

Temperature limits
PPH: 10 to 70°C
PVC: 10 to 50°C

Dimensions:
ND 10 ... ND 25

Body:
PPG

Diaphragm:
EPDM, PTFE coated

Connections:
DIN 8068 threaded
PVC union to glue on site
PPH union to weld on site



SDD 912

Pressure relief valves

Pressure relief valves SDD 912 limits the static pressure to a maximal settled value by opening the outlet (to the discharge line) when the pressure is overriding.

- All wetted parts in plastic
- Protection of pumps and process lines
- Affordable cost
- Small dimensions

Pressure:
Class PN 10 (at 20°C)

Setup range:
1 to 10 bar

Temperature limits:
+10 to +50°C

Inlet / Outlet size:
ND 32 to ND 80

Body:
PVC

Seat seal and O-rings:
EPDM or FPM

Connections:
Spigot ends
Unions, to glue on site



RDP 906

Pressure reducing valves

A pressure reducing valve RDP 906 maintains constant the pressure downstream, at the adjusted value.

Pressure:
Class PN 10 (at 20°C)

Set up range:
1 to 9 bar

Temperature limits
PPH: 10 to 70°C
PVC: 10 to 50°C

Dimensions:
ND 10 ... ND 25

Body: PPG

Diaphragm: EPDM, PTFE coated

Connections:
DIN 8068 threaded
PVC union to glue on site
PPH union to weld on site



SV 91 – SV 95

Aeration and vent valve

To control inlet and outlet of systems

Material:
PVC
PPH
PVDF

SV 91
Aerating valve

SV 95
Cone chek valve with
PTFE coated spring



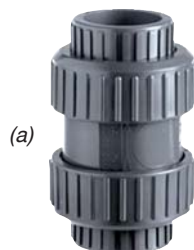
Check Valves

CBE, CSI, CBT

Ball valve (a), Angle seat valve (b), or Wafer check valve (c), to control the fluid flow direction

Body materials: PVC, PPH, PVDF
Sealing materials: EPDM, FPM

Connections: ND 10 ... ND 400



Plastic Valves

VVDV Angle Seat Valves

Body materials: PVC, PPH, PVDF
Connections:
Male spigot ends ND 10 to ND 50



930-01

VMP K4 Butterfly Valves

Body material: PP-GF
Disc material: PVC, PP or PVDF
Dimensions: ND 65 ... ND 200



945-04

VMM T4 Diaphragm Valves

Body materials: PVC, PPH, PVDF
Connections: ND 15 ... ND 65



940-02

VM2V & VM3V S4 2 or 3-way Ball Valves

Body materials: PVC, PPH, PVDF
Connections: ND 10 ... ND 80 (2-way)
ND 10 ... ND 50 (3-way)



934-02

935-01

VE 2V S6 2-way electric actuated ball valves

Economic
Compact
3 motor types
Valve body: PVC
Connections:
DN 10 ... DN 65



914-00

VE2V & VE3V, S4 2 or 3-way electric actuated ball valves

In-line pattern
Valve body: PVC, PPH, PVDF
Connections:
ND 10 ... ND 100 (2-way)
ND 10 ... ND 50 (3-way)



914-..

VEP K4 Electric actuated butterfly valves

In-line pattern
Valve body: PP-GF
Disc material: PVC, PP or PVDF
Dimensions: ND 65 ... ND 200



914-..

VP2V & VP3V, S4 2 or 3-way pneumatic actuated ball valves

Standard compatibility:
NAMUR VDI/VDE 3845
& ISO 5211
In-line pattern
Valve body: PVC, PPH, PVDF
Connections:
ND 10 ... ND 100 (2-way)
ND 10 ... ND 50 (3-way)



914-..

EVP 920 NF Solenoid valves Pilot operated

Function: NC
Housing: Nylon 66
Diaphragm and seals: EPDM
Connection: DN 10 to DN 50
Power supply: 24 and 230 V AC / 50 Hz
24 V DC



920-02

EVP-CD Solenoid valves Direct acting

Function: NO or NC
Housing: PVC, PTFE
Sealing: PTFE / EPDM, FPM
Connections: DN 10 to DN 25
Power supply: 220, 110, 48, 24 V AC / 50 Hz,
24 V DC



921-02



BAMO Mesures SAS
Headquarters, France
ISO certified company
Registered n°: 2010092106



Bamo IER GmbH
German factory
ISO certified company
Registered n°: 08 100 013102



The company

BAMO Mesures SAS:
French manufacturer of sensors and instruments for the monitoring and analysis of liquids

BAMO has expertise in:

- . Analysis and measuring of fluids, pH, chlorine, conductivity water hardness, turbidity and dissolved oxygen
- . Control and level measurement, flow, pressure and temperature
- . Motorized valves and automatic valves

Our skills and expertise include hydraulic, mechanical, electronic and plastic injection control systems.

Since its foundation in 1978, the company has continued to grow under the same family ownership.

Manufacturing and product development are conducted in accordance with **ISO 9001:2000** procedures. Our technical and commercial presence now spans Europe.

BAMO Mesures is always oriented towards the satisfaction of its loyal clientele.

BAMO IER GmbH, our subsidiary (design, manufacture and sales) has operated in Germany and Austria for 44 years. The company is **ISO 9001** certified, respecting all applicable legal requirements and European standards, testing in its own EMC lab, as well as by external approval authorities (i.e. TÜV, DIBt etc.).

BAMO Ibérica supports our customers in Spain and **BAMO Control Ltd** in the United Kingdom.

Many exclusive distributors complete this scheme around the world.

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