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www.bamo.eu



pH • ORP

BAMOPHAR 107

pH/mV meter

Touch screen

Measurement of pH or ORP (Redox) in industrial process 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

107-01



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



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

130-01 135-01 145-01



9400

In-line insertion probe, pH electrode holder

Direct measurements in-line
For pH and ORP combination electrodes
Electrode connection PG 13.5
Made of PP, PVDF or AISI 316 L
Hot tap electrode holder
Mounting and dismantling under pressure
Fittings: threaded end, weld-on end





Industrial electrodes

pH or ORP measurement

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

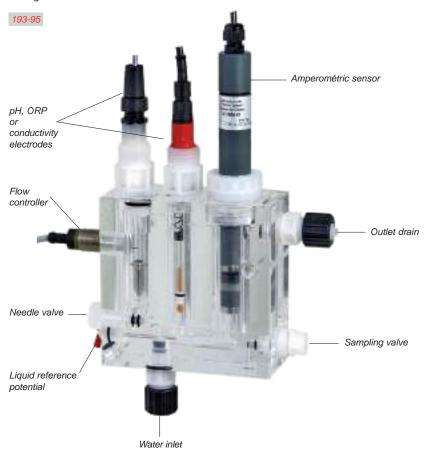




Chlorine • Amperometric sensors

Free chlorine, Total chlorine, Chlorine dioxide, Ozone Hydrogen peroxide, Peracetic acid

- Limits up to 70°C and 6 bar
- Unnecessary zero adjustment
- Answering time < 2 min
- Temperature compensation built-in
- · Long life electrodes



- · Minimal and steady flow rate
- Mounting with dedicated flow cells
- Low maintenance cost
- Only one spare part: @ Endcap with diaphragm

CC1 Closed cell, 3 electrodes

For swimming pool or drinkable water

Water sample may not content surface-active additives

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

193-06



AS 2/3

Half-closed cell, 3 electrodes

For sanitary hot water Without diaphragm

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

193-13



BAMOPHAR 195

Amperometric signal monitor

Touch screen

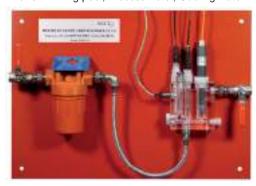
Parameters according to the sensor in use: Free chlorine, Total chlorine, Chlorine dioxide, Ozone, Hydrogen peroxide, Peracetic acid



195-01

Complete measuring system with assembly

For swimming pool, Process water, Cooling water



195-xx

CCK

Half-closed cell, 3 electrodes

For cooling water systems, or free chlorine detection before reverse osmosis

Range: 0.01 to 4 ppm Pressure limit: 6 bar Temperature limit: 5...70°C

193-12

Exclusive implementation with DCW 100 controller





Conductivity • Resistivity

Conductivity probes for BAMOPHAR

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









BAMOPHAR 323

Monitor and controller $M\Omega$ - mS

Touch screen Programmable scales: $0...200~\Omega$ up to $0...20~\text{M}\Omega$ $0...2 \mu S$ up to 0...20 mSTOR version, 0...2 mS up to 0...2000 mS $\,$

Convenient probes: With cell contant, 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















Water hardness

BAMOSOFT Smart

Water hardness controller for water softening systems

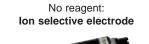
Preset limit value at 10% of raw water hardness

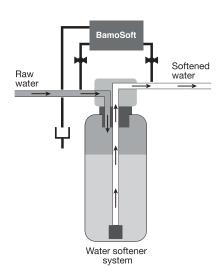
BAMOSOFT Smart monitors a preset residual water hardness threshold value from the outlet of the water softener system. Threshold value is fixed at 10% of inlet raw water hardness.

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)







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 $\,$



Dissloved oxygen

AQUAPLUSTM

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



AQUAPLUSTM

Probe holder

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

3 mounting types



BAMOPHAR 452 LOG

Monitor

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





Turbidity

TURBIDITY MEASUREMENT Using absorption and 90° scattered light technology _ in accordance with ISO 7027

TURBICUBE / GAB

In-line turbidity transmitter

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

Measuring range: 0.01...2000 FAU Output signal: 0/4-20 mA

Immediate connection to BAMOPHAR monitor, data logger and regulator





BAMOPHAR turbidity monitoring with touch screen



TURBIDITY CONTROL ———

CP2

Immersion probe for turbidity control

For open channel flumes and sludge level monitoring Detection: 50 to 4000 FAU

To use with **TURBISWITCH GS4**

425-02



TURBISWITCH GS4

Turbidity controller



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

410-02

Armatures for turbidity control

Sensor fixture with emitter and receiver To use with TURBISWITCH GS4

Control range: from 50 to 4000 FAU



MUDSonic MF & TS

Immersed solid particles detector

- Detection in water of solid particles
- · Survey with ultrasonic probe

Converter: On/Off output signal Adjustable timer Status display by LEDs

426-02





MUDLine® TGS

Portable sludge blanket level monitor

Combination of a controller and a piezoresistive turbidity level sensor

· Sludge level detection, immersion depth up to 10 m, in primary and secondary clarifier, thickener, rotten black sludge, sludge level measuring in small sewage plants

Easy to use and easy to clean Compact package with cable length 10 m, reel and minimal weight of 3 kg

Audible alarm, LCD 3 digits Built-in battery with range of 100 measurement cycles of 7 minutes each



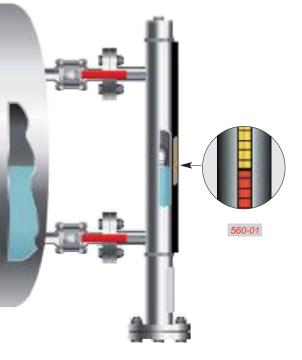


Level indicators

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



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



Cat & Mouse Cable operated level indicators Reduced path model

SFA series

Standard model Gas tight cable operated level indicator

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

ALSO AVAILABLE

SFA.. Modular kits Base height 2x1.60 m expandable parts 1.60 m



Level switches

SECURICUVE

Tank top level controller

Low level detection for tanks where a lack of chemical is an unsafe condition

Protection against overheating following evaporation or tank leaking, or defect on chemical solution refilling

Positive acive detection Construction: PPH / 105°C max. or PVDF / 140°C max. Pressure: Atmospherical Fixing: PPH or PVDF

584-02



BRK 60 - BSM 5...

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

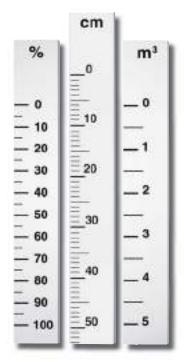
585-02 585-01



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



NIVOSTOP® /...

Level controllers

ATEX certified zones 0, 1 and 2

For aggressive fluids (acids, basic solutions, etc.)

ACS certified

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









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



HE & HS

Cable suspended resistive level probes

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



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)





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





Level detectors

OVERFILLING AND LEAKAGE PROTECTION

MAXITOP

Compact overfill sensor

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

No moving parts

Process connection BSP 2", PVC, sliding

Stem PEHD: Ø 40 mm (Ø 20 on request)

Adjustable immersion depth

556-01



SHR CS

Measuring transducer

Alarm signal relay for leakage or overfill transmitters

555-06

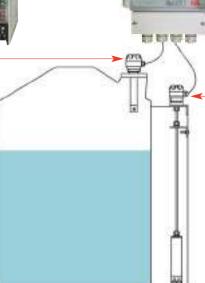


TC4

555-07

Signaling device 4 sensors input

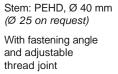
4 surveying channels for leakage or overfill transmitters



MAXITOP LW-C

Leakage sensor

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



or with cap and adjustable thread joint





Certification with MAXIMAT® serie:

WHG§19 in Germany KVU in Switzerland GOST Russ. federation Vlarem II in Belgium

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...





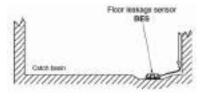


BES

Leakage Detection

Conductive sensor, stainless steel electrodes Floor water detection







Level transmitters

level transmitter

RTM

Signal output: 4-20 mA Step: 10 mm

Adapted to our level indicators MAGTOP, SFA, MNR 6, MNR 7.

586-01



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

BAMOSONIC

Ultrasonic level transmitter

Convenient for measuring liquids. stored in tanks and wells.

Output signal: 4 to 20 mA

Scale: 0.2...15 m (2 wire technique) 0.2...25 m (3 wire technique) Connections: thread BSP, NPT

Data logger, HART ATEX version

597-06



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

ATEX version: Ex II 1 G Ex ia IIC T6 Ga



NIVAPRESS SGE-25

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 ATEX version: Ex II 1G EEx ia IIC T4 / T5 / T6

590-03



BAMOFLEX

TDR Level transmitter

A TDR Probe is working as a Time Domain Reflectrometry 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



BAMONIV TPS

Hydrostatic level sensor

Designed for measuring level of aggressive fluids, viscous or polluted.

The wetted parts are made of PVDF, FPM or EPDM for seals and cable is PTFE shielded.

Measuring cell; Ceramic 99.9 % Accuracy: 0.35 %

Range: from 0...1 m WC to 16 m WC Output signal: 4-20 mA, two wires



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



· Primary sludge basin, Clarifiers

Continuous measuring

- · Storage tanks, isolated plants
- Sludge level monitoring,

MUDSENS

of sludge level

• Telemetry options for lagoons and ponds monitoring

Range of measurement: 0,7 to 12 m Main power supply: 115/230 V AC Analogue output: 4-20 mA, 750 Ω 4 contacts NO; 5 A - 230 V AC











Safety systems for oil-water separators

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





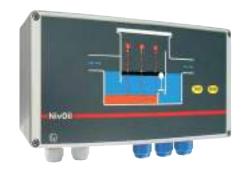
Alarm system for oil-water separator

Designed for the monitoring of hydrocarbon fluids separators. With sensor, (OP/10 or OP/5) the alarm device detects when the maximum thickness is reached.

- ATEX certification
- Main power supply 230 V AC / 50-60 Hz
- Acknowledgment to push and test button
- 1 input, for NIVOIL probe
- 1 relay output
- · Audible alarm disable by DIP switch
- Lighting alarm
- Wall mounting cabinet, IP 65



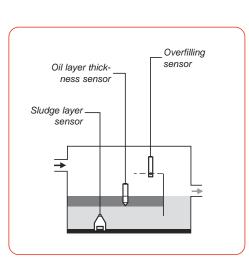












Oil-water separator

BAMOBOX 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)



Temperature

T 701

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...+700°C

Measuring element: Inert gas pressure system (no toxic)

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



T 502

Bimetal thermometers

Case diameter: 100 mm, 150 mm

Accuracy:

Class 1 (according to EN 13190)

Scale ranges: -20...+600 °C

Case and ring:

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

Measuring element: Helicoidal bimetal sensor

696-18



TWS

Welded 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:

Threaded connections 1/2" BSP or NPT, 3/4" NPT Flange DN 32, DN 40, DN 50, PN 10/16 or PN 20

Materials: inox 316 L, PVC, PPH, PVDF





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

St. steel probe

PP probe

ITU 402 / 412

Panel mounting indicator, 2 relays

PVDF probe

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







Flow

Ultrasonic

transmitter

BAMOPHAR 759

Flow calculator

Touch screen

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

759-03





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: ±1% Output signal: 4 to 20 mA





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

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





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)



E serie

Flow rate indicators

Glass tube

Flow meter with diver, for liquid or gaseous fluids

Tapped or flanged connections

795-01



BAMOFLONIC

Ultrasonic flow meter

For conductive or non-conductive fluids in various industrial applications

- 4 models DN10 to DN25
- 4 scales, from 0.3 to 240 l/min
- 1 analogue output 0/4-20 mA
- 1 digital output configurable on site
- Alphanumeric back lighted LCD display

Protection: IP67

Fluid temperature: -10...+80°C

776-01



BAMOFLONIC - PFA

Ultrasonic flow meter

In strongly alkaline solutions, or concentrated acids or leachate

- 4 models DN7 to DN20
- 4 scales, from 0.09 to 120 l/min
- 1 analogue output 0/4-20 mA
- 1 digital output configurable on site

Protection: IP65

Fluid temperature: 0...+80°C

776-02



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

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







Variable area flow indicators

For aggressive or neutral fluids Corrosion and shockproof

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

Ranges: Water - HCI - NaOH - Air

Direct reading plus 2 set point indicators Alarm contacts in option

Accuracy: Class 4

Radial mounting: Vertical, ascending flow

IDP model: 0-60 m³/h water in 12 scales PDP model: 2.5 to 1000 l/h water in 8 scales

ACCESSORY: Alarm contacts

730-05 731-03





Flow

BAMOMATIC

Electromagnetic flow meter

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 μ S/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



VORTEX

Flow sensor

Flow rate on hot industrial water, drinkable water, demineralised water measuring independant from temperature No moving parts

Range: 0.9...150 l/min from ND 8 to ND 25 Output signal: analogue 4-20 mA or pulses

Drinking water approval: KTW, W270, WRAS

777-01



Pressure

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





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



SPM 903

Gauge guards, all in plastic

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

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

Temperature limits:
0...+60°C with PVC-U base plate

+10...+80°C with PP base plate -30...+100°C with PVDF base plate







Examples of applications



Plastic valves

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.

906-02

RDP 906

Pressure reducing valves

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

SDD 911 & RDP 906:

Pressure: Class PN 10 (at 20°C) Set up range: 0.5 to 10 bar

Temperature limits: : +10...+50 / 70°C (PVC / PP)

Dimensions: ND 10 ... ND 25

Body: PPG

Diaphragm: PTFE coated EPDM 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.

Pressure: Class PN10 (at 20°C) Setup range: 1 to 10 bar T° limits: +10...+50°C

Inlet / Outlet size: ND32...ND50

Body: PVC

Seat seal and O-rings: EPDM or

FPM

Connections: PVC unions or PVC loose flange

912-02

SDD 910

Pressure relief valves

Body: PPG or PVDF Connections: PVC unions Nominal diameter: ND 10, ND 15 Nominal pressure: PN 10







Check valves (SV 91- SV 95)

Can be used in no-return horizontally with and vertically with upward fluid. Material: PVC, PPH, PVDF

Angle seat valves (CSI) Wafer check valve (CBT)

To control the fluid flow direction Material: PVC, PPH, PVDF

VM2V & VM3V S4

2 or 3-way ball valves

951-01 950-03

Manual valves

VVDV

Angle seat valves

Body materials: PVC, PPH, PVDF

Male spigot ends ND 10 to ND 50



VMP K4

Butterfly valves

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



VMM T4

Diaphragm valves

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



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





Plastic valves

Actuated valves

VE 2V S6

2-way electric actuated ball valves

Economic, Compact 3 motor types

Valve body: PVC Connections: DN 10 ... DN 65





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)





VEP

Electric actuated butterfly valves

In-line pattern

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



VP2V & VP3V, S4

2 or 3-way pneumatic actuated ball valves

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)

913-..



Solenoid valves

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



920-02 920-03

EV 150

Solenoid valves Direct acting

Function: NC Housing: PVC, PTFE

Diaphragm and seals: PTFE / EPDM, FPM

Connections: DN 10 to DN 20

Power supply: 220 V / 50 Hz



Metal valves

Actuated valves

VP 2V & 3V - INOX

2 or 3-way pneumatic actuated ball valves

NAMUR VDI/VDE 3845 & ISO 5211

Valve body: Stainless steel 316 Thread socket ends: 1/4" ... 4" (2-way) 1/4" ... 2" (3-way)

1013-01



VPP - INOX

Pneumaic actuated butterfly valves

NAMUR VDI/VDE 3845 & ISO 5211

Valve body: Epoxy painted cast iron Disc material: Stainless steel 316 Dimensions: DN 50 ... DN 300



VE 2V & 3V - INOX

2 or 3-way electric actuated ball valves

Valve body: Stainless steel 316 Thread socket ends: 1/4" ... 4" (2-way) 1/4" ... 2" (3-way)

1014-02



VEP - INOX

921-01

Electric actuated butterfly valves

Valve body: Epoxy painted cast iron Disc material: Stainless steel 316 Dimensions: DN 50 ... DN 300







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 GlobalÁgua supports our customers for Spain and Portugal.

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Many exclusive distributors complete this scheme around the world.



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