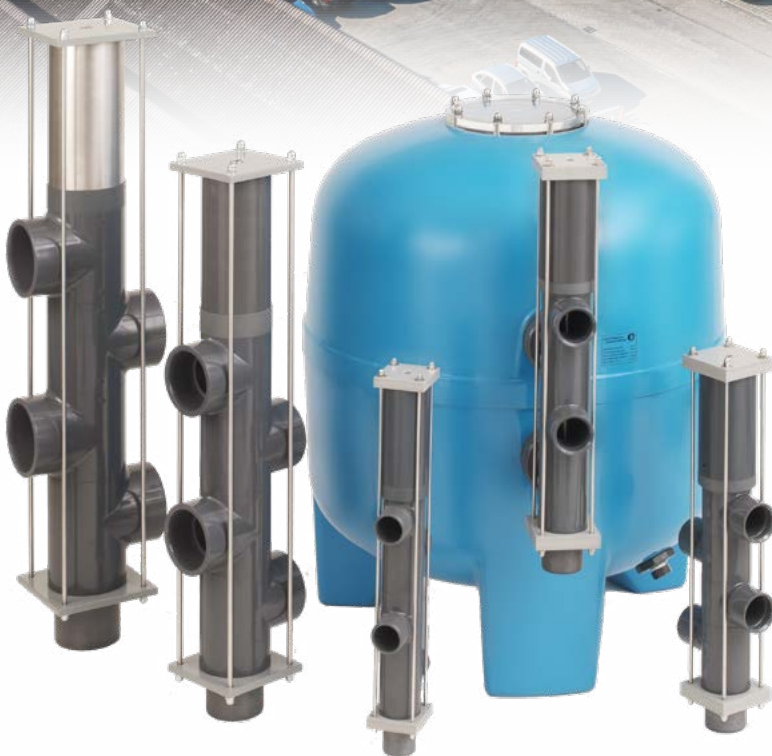


Price List

2024 EURO





AQUA SOLAR

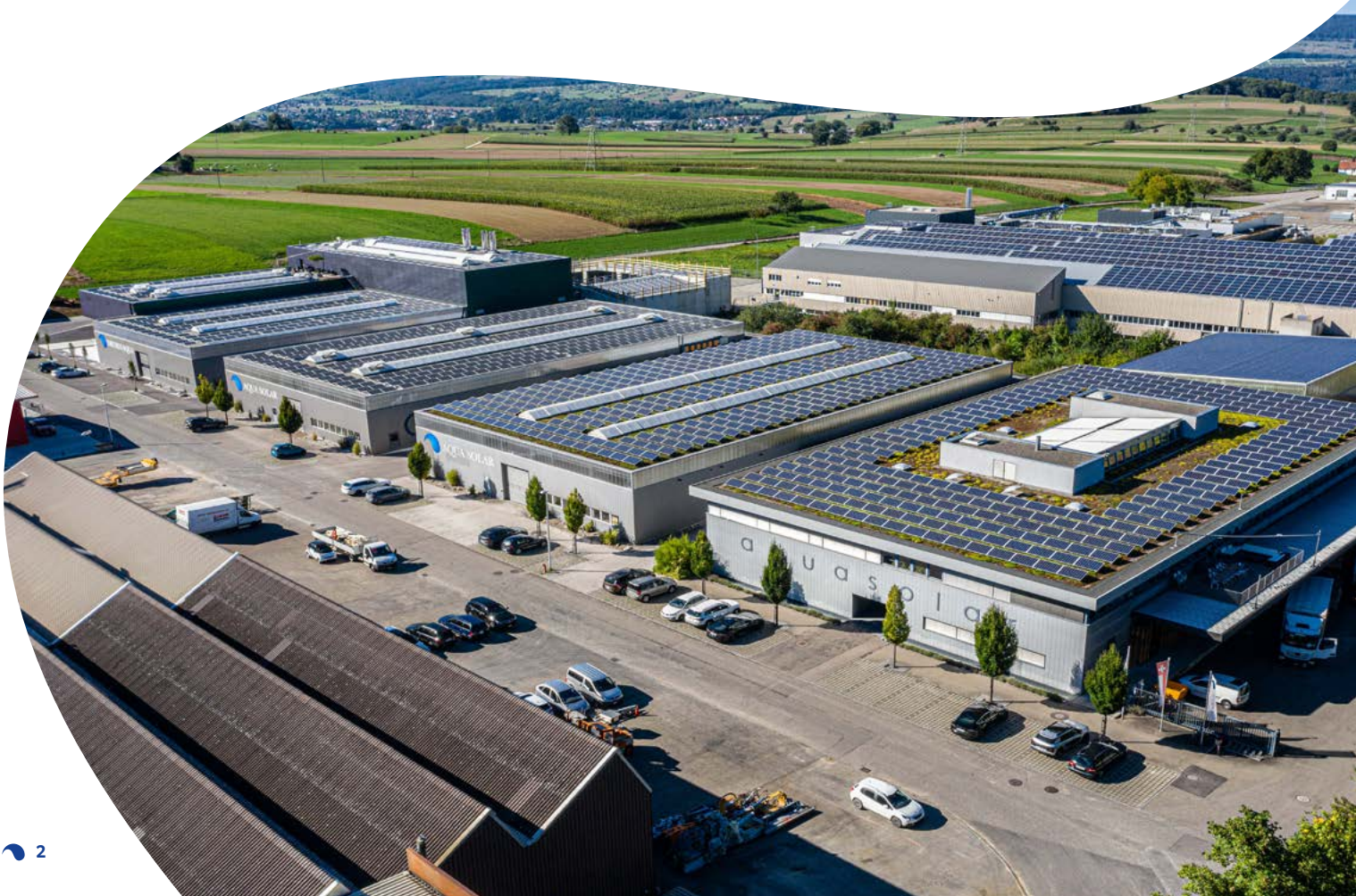
SCHWIMMBAD- UND FILTERTECHNIK

BESGO
+ SWISS QUALITY

Aqua Solar AG - Besgo Valves

Produced by Aqua Solar AG in Switzerland

Aqua Solar AG produces Besgo valves, apart from being a pool parts wholeseller in Switzerland, and sells them worldwide through our international sales partners. In Germany we have our very own branch in Dryden Aqua Germany. They deliver, apart from the German market, also other customers in the European union and are ensuring a competent repair service for all our their customers.



BESGO BACKWASH VALVES

– BENEFITS



2 YEAR WARRANTY



Low pressure drop: Offers higher backwash velocity & efficiency than traditional 6-way valves.



High installation flexibility: Can be fitted directly on the filter or mounted on a wall (90° rotating connections)



Very safe to operate: The valve returns automatically to “Filtration mode” in case of electrical failure.



Fast switchover: The filtration pump does not have to be stopped during the switchover.



Swiss Made: High quality product providing outstanding reliability. TÜV Rheinland certified / GS mark (Tested safety).



Adapted to all sand/AFM® filters : Valves available from DN40 (50mm) to DN125 (140mm)

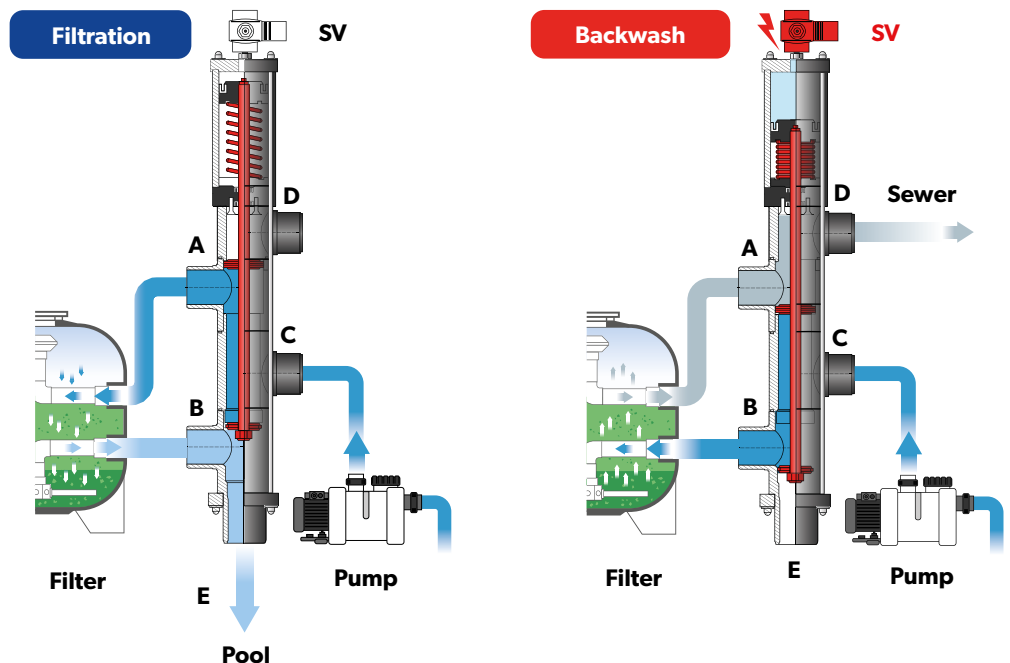
Technical information

Control pressure

3,5 to 6 bars
(pressurized water or compressed air)

Electrical connection:

230V/50Hz



SV Solenoid valve

A Filter connection (inlet)

B Filter connection (outlet)

C Connection to the filtration pump

D Connection to the backwash pipe (sewer)

E Connection to the pool (filtered water)



BACKWASH VALVES

– operated with water or air pressure

Art. No.	Description	Gross price € without VAT	
	DN 40 - 125 with glued fittings, made of PVC-U inner parts of V4A 1.4571, Seals Viton/PTFE – ozone-resistant solenoid valve incl. with emergency manual override.		
	Advantages:		
	<ul style="list-style-type: none"> • outstanding reliability • low pressure loss • adjustable connection unions • change over without switching off the pump • fits on every filter 		
	Backwash valve incl. 3/2 230 V solenoid valve Hydraulic: 20 m ³ /h => 0.3 bar pressure drop		
083103	DN 40 / d 50 mm / 1.5" 125 mm (Astral, Behncke, Fiberplast)		820.00
083107	152 mm (Hayward)		820.00
083102	190 mm (Calplas, Triton)		820.00
083108	204 mm (Lacron, Waterco)		820.00
083106	230 mm (Astral)		820.00
	Special units 125 - 250 mm	ex 20 pcs.	on request
	Backwash valve incl. 3/2 230 V solenoid valve Hydraulic: 30 m ³ /h => 0.3 bar pressure drop		
083201	DN 50 / d 63 mm / 2" 140 mm (Kripsol, Behncke)		895.00
083206	152 mm (Hayward)		895.00
083202	190 mm (Calplas, Triton)		895.00
083207	215 mm (Lacron)		895.00
083208	220 mm (Fiberplast)		895.00
083203	230 mm (Astral)		895.00
	Special units 140 - 300 mm	ex 20 pcs.	on request
	Backwash valve incl. 3/2 230 V solenoid valve Hydraulic: 45 m ³ /h => 0.3 bar pressure drop		
083301	DN 65 / d 75 mm / 2.5" 250 mm (Calplas, Fiberplast)		1'180.00
083302	270 mm (Astral)		1'180.00
	Backwash valve incl. 3/2 230 V solenoid valve Hydraulic: 65 m ³ /h => 0.3 bar pressure drop		
083401	DN 80 / d 90 mm / 3" 300 mm Calplas		1'790.00
	Backwash valve incl. 3/2 230 V solenoid valve Hydraulic: 95 m ³ /h => 0.3 bar pressure drop		
083501	DN 100 / d 110 mm / 4" 360 mm		2'590.00
083502	400 mm (Astral, Calplas)		2'590.00
	Backwash valve incl. 4/2 230 V solenoid valve Hydraulic: 140 m ³ /h => 0.3 bar pressure drop		
083601	DN 125 / d 140 mm / 5" 450 mm hydraulic and pneumatic operation (Calplas)		4'820.00



TIPP

MAY IT ALSO BE 24 VOLTS?
– Simply change the solenoid (5min).



Art. No.	Bezeichnung	Gross price € without VAT
083027	Solenoid 24 V AC incl. appliance socket	90.00
083028	Solenoid 24 V DC incl. appliance socket	90.00

3-WAY VALVES



Art. No.	Description	Gross price € without VAT
083130	DN 40 / Ø 50mm incl. 3/2 230V solenoid valve Hydraulic: 26 m ³ /h => 0.3 bar pressure drop	680.00
083230	DN 50 / Ø 63mm incl. 3/2 230V solenoid valve Hydraulic: 37 m ³ /h => 0.3 bar pressure drop	750.00
083330	DN 65 / Ø 75mm incl. 3/2 230V solenoid valve Hydraulic: 61 m ³ /h => 0.3 bar pressure drop	990.00
083430	DN 80 / Ø 90mm incl. 3/2 230V solenoid valve Hydraulic: 85 m ³ /h => 0.3 bar pressure drop	1'490.00
083530	DN 100 / Ø 110mm incl. 3/2 230V solenoid valve Hydraulic: 119 m ³ /h => 0.3 bar pressure drop	2'300.00
083630	DN 125 / Ø 140mm incl. 4/2 230V solenoid valve Hydraulic: 175 m ³ /h => 0.3 bar pressure drop	
083630	Hydraulic and pneumatic operation	3'990.00

2-WAY VALVES



Art. No.	Description	Gross price € without VAT
Applications		
	• For automatic ventilation of the filter	
	• For automatic cleaning of the overflow gutter	
083140	DN 40 / Ø 50 mm incl. 3/2 230V solenoid valve	680.00
083240	DN 50 / Ø 63 mm incl. 3/2 230V solenoid valve	750.00
083340	DN 65 / Ø 75 mm incl. 3/2 230V solenoid valve	990.00

TECHNICAL DOCUMENTS



BESGO VALVES
DRAWINGS



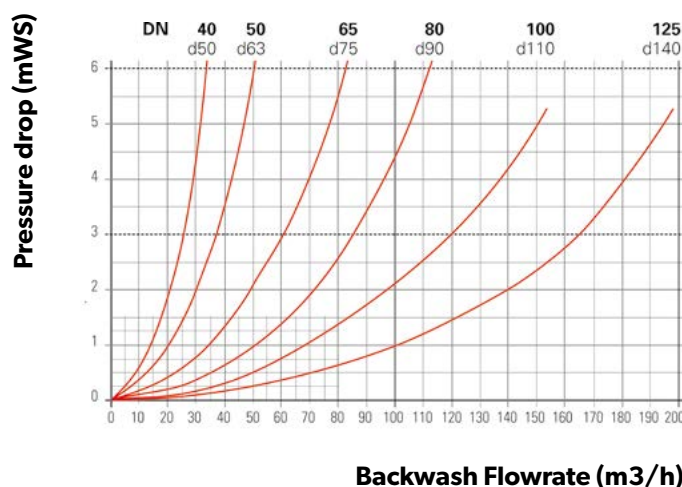
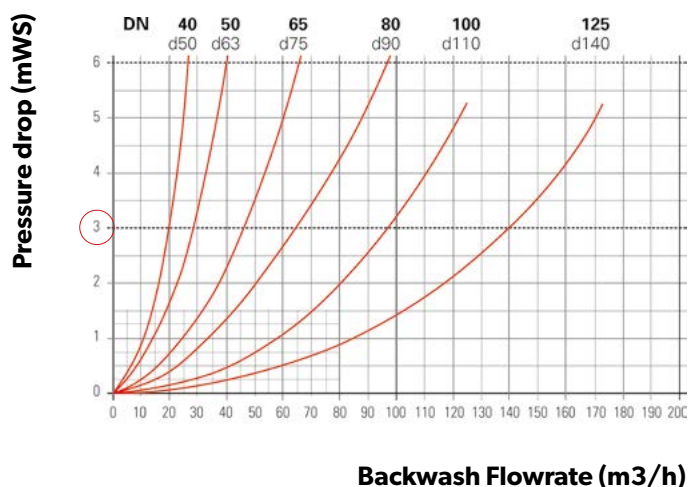
BESGO VALVES
INSTRUCTIONS

BESGO VENTILE

Weitere Details

PRESSURE DROP DIAGRAM BACKWASH VALVES

PRESSURE DROP DIAGRAM BESGO 3-WAY VALVES



TECHNISCHE DOKUMENTE

Determine the diameter of your Besgo 5-way valve according to your backwash flow rate (m³/h) in order not to exceed 0.3 bar (3 mWS) of pressure drop.

With AFM®, calculate this flowrate with a backwash speed of 40 - 50 m/h.

Backwash speed (m/h) x filter surface area (m²) = backwash flowrate (m³/h)



Video installation
BESGO



BESGO
troubleshooting
videos



ACCESSORIES & SPARE PARTS

Art. No.	Description	Gross price € without VAT
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INSTALLATION UNIT - WATER PRESSURE CONTROL

083710	Installation unit 3/8" besgo - water pressure control composed of: manometer 0 - 10 bar, non-return valve, fine filter, stop-tap	150.00
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VALVE ADAPTER SET FOR TRITON FILTERS



045-075	Triton Valve Adapter Set, 48 - 50 mm, for Triton TR 40 + TR 60	98.00
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045-074	Triton Valve Adapter Set, 60 - 63 mm, for Triton TR 100 + TR 140	98.00
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AIR COMPRESSORS

083717	Compressor Einhell, 0,5 kW, 230 V, vessel size 6 lt, pressure max 8 bar, 14.5 kg, oil free for low-noise operation 57 dB NEW	320.00
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083717

083718	Compressor Createx 230 V, without vessel, with EU plug 3.5 to 4.5 bar, 3.5 kg for low-noise operation 40 dB NEW	240.00
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083719	Compressor Createx 230 V, vessel size 3lt, with EU plug 3.5 to 4.5 bar for low-noise operation 40 dB	320.00
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CONNECTING KIT FOR COMPRESSOR

083701	Connecting Kit 1 for compressor 1/4"IG: for 1 besgo valve including: 1 valve, 2 fittings, 10 m PE tube 6/4 mm	58.00
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083702	Connecting Kit 2 for compressor 1/4"IG: for 2 besgo valves including: 1 valve, 3 fittings, 1 T-fitting, 10 m PE tube	68.00
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083703	Connecting Kit 3 for compressor 1/4"IG: for 3 besgo valves including: 1 valve, 4 fittings, 2 T- fittings, 10 m PE tube	78.00
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083702

ACCESSORIES & SPARE PARTS



Art. No. Description

Gross price €
without VAT

SOLENOID VALVES

083010	Solenoid valve 3/2 230 V/50 Hz ¼" for DN 40/50/65 – 2 mm hole	115.00
083014	Solenoid valve 3/2 230 V/50 Hz ¼" for DN 80/100 – 3 mm hole	115.00

Special models

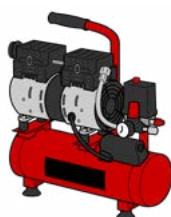
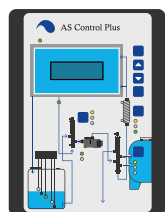
083011	Solenoid valve 4/2 230 V-50 Hz for old models DN 80 and 100 and for the new model DN 125	350.00
083015	Special solenoid valve 3/2 new model 24 V DC – 2 mm hole	195.00
083016	Special solenoid valve 3/2 new model 24 V DC – 3 mm hole	195.00
083027	Solenoid 24 V AC incl. appliance socket	90.00
083028	Solenoid 24 V DC incl. appliance socket	90.00



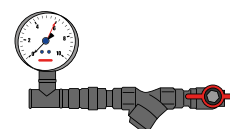
SPARE PARTS FOR COMPRESSOR

093060	PVC-valve DN 6 PVC ¼" BSP EPDM without attachments	15.00
083-021	Fitting Ø 6/4 mm / ¼" OD to the air pipe	5.00
083-022	T-fitting to the air pipe Ø 6/4 mm	8.00
083-025	Roll 5 m PE tube 6/4 mm	15.00
083-020	Control valve ¼" ID for regulation of the switching speed (air pressure)	64.00

Solenoid Valve



Or



Connection to an
air compressor

Connection to the water
network (pre-filter
installation unit required)

BESGO VALVES FOR SEA WATER

NEW



Art. No.	Description	Gross price € without VAT
BESGO 5-WAY VALVES FOR SEA WATER APPLICATIONS		
083202-S	Besgo valve 5-way DN 50 / d 63 mm / 2" suitable for sea water 190 mm (Calplas, Triton)	1'045.00
083301-S	Besgo valve 5-way DN 65 / d 75 mm / 2.5" suitable for sea water 250 mm (Calplas, Fiberplast)	1'425.00
083401-S	Besgo valve 5-way DN 80 / d 90 mm / 3" suitable for sea water 300 mm	2'195.00
083502-S	Besgo valve 5-way DN 100 / d 110 mm / 4" suitable for sea water 400 mm (Astral)	3'410.00
083601-S	Besgo valve 5-way DN 125 / d 140 mm / 5" suitable for sea water 450 mm hydraulic and pneumatic operation (Calplas)	5'735.00

BESGO 3-WAY VALVES FOR SEA WATER APPLICATIONS		
083230-S	Besgo valve 3-way DN 50 / d 63 mm / 2" suitable for sea water	935.00
083330-S	Besgo valve 3-way DN 65 / d 75 mm / 2.5" suitable for sea water	1'155.00
083430-S	Besgo valve 3-way DN 80 / d 90 mm / 3" suitable for sea water	1'815.00
083530-S	Besgo valve 3-way DN 100 / d 110 mm / 4" suitable for sea water	2'745.00
083630-S	Besgo valve 3-way DN 125 / d 140 mm / 5" suitable for sea water	4'900.00



THE LEAF CATCHER FOR OVERFLOW POOLS		
083050	Leaf catcher AS in plastic transparent box Ø 350/300 mm, H 540 mm entry/exit DN 100. The leaf catcher will be installed in the collecting pipe of the overflow gutter. If it is full, it can be cleaned automatically by opening the slide. DN 65 slide incl.	2'150.00
083053	Fastening-parts kit, length: 75 cm	120.00



AS CONTROL 4 FOR SKIMMER POOLS

Art. No.	Description	Gross price € without VAT
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AS CONTROL 4 - WITH 3 SPEEDS



AS CONTROL 4
MANUAL

Universal control with digital display and very easy navigation menu.
Especially for high level skimmer pools. **Direct control of frequency inverters and different VSP pumps (3 speeds available)**

The following functions are controlled and displayed:

- Filter run time (eco: pump speed 1, normal operation: pump speed 2)
- Backwash and rinsing 230V (pump speed 3)
- Control 1-speed filter pumps 230 V or 400 V (Electronic motor protection 0.1 to 10 A)
- New: Control of a 3-way suction besgo-valve for backwashing through main drains
- New: Control of air compressor for besgo valves
- New (optional): Backwash initiation due to filter pressure (Pressure switch 081089 is required)
- Heating: 230 V and potential free output
- Solar heating: Solar pump 230 V and / or solar valve 24 VAC
- Water replenishment: Solenoid valve 230 V (level swimmers or capacitive contact sensor)
- Dosing: 230 V and potential free output
- Alarm output; Potential free
- Frost alarm with forced switching on of the filter pump (works with solar sensor)
- Inputs for dry run protection and forced switch off of the filter pump
- Display of water and solar temperature, time, filtration stage, operating conditions, etc.

081060	AS Control 4	1'190.00
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ACCESSORIES

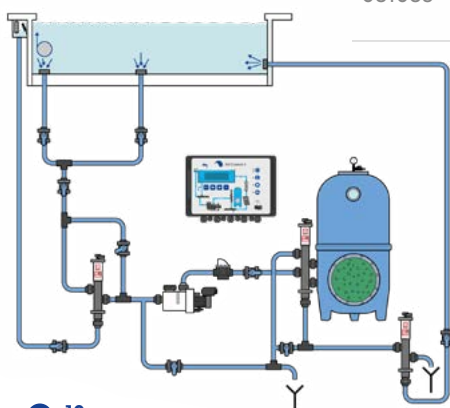
081031	Solar sensor (must be ordered separately) If the solar sensor is connected, a solar temperature control is available.	80.00
081032	Water sensor (must be ordered separately) If the water sensor is connected, an electronic temperature control is available	87.00
081029	Water sensor without thermowell	42.00
081033	Thermowell 1/2" NiSn	46.00
081073	Thermowell 1/2" external thread V4A with o-ring	88.00
081064	Mounting and angle for level swimmer	73.00
081068	Angle and adjustment screw (for Behncke skimmers)	37.00
081065	Level swimmer with 10 m cable	74.00
081066	Level swimmer with 20 m cable	110.00
081079	Solenoid valve type 139/13 m G 12N R 1/2 "	162.00
081089	Pressure switch to the AS Control 4 and Plus. Setting range 0.5-1.5 bar. For pressure controlled backwash.	185.00



081064



081068



AS CONTROL PLUS

– FEATURES

Display: water and air temperature and various operating conditions ○

Filter run times and electronic motor overload trip - max. 8 A ○

Controls: backwash and rinse, timed or optionally initiated by pressure switch (081089 is required) ○

Heating control with frost protection, priority switching and delay timer ○

Level control for buffer tank with 5 probes ○



○ Buffer tank control (initiate backwash directly from pool or from buffer tank)

○ Energy efficiency control (economy mode or overflow operation)

○ Connection for pool cover

○ Connection for external switch (main drain, buffer tank, auto)

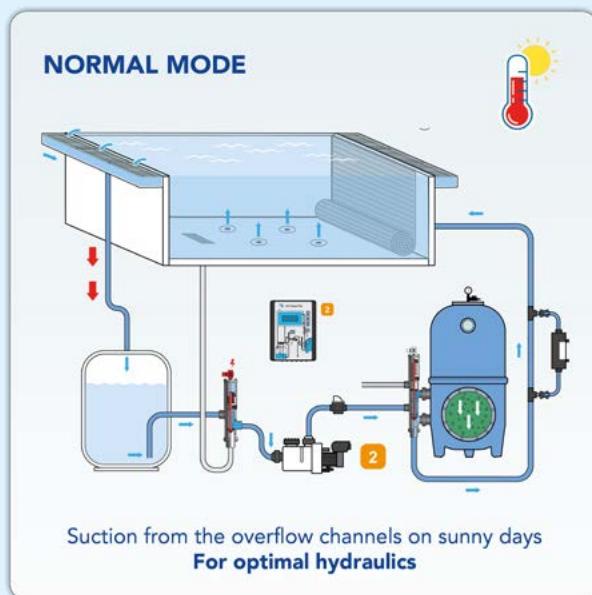
○ Connection for chemical measurement and dosing system (230 V and potential-free)

Normal mode

Suction from the overflow channels on sunny days for optimal hydraulics

Eco mode

No evaporation from the overflow channels - No energy losses!



In economic mode (suction directly from the pool) the water does not overflow. Evaporation and energy losses are considerably reduced. With an investment of about 3'000 EUR you can save at least 10'000 kWh per season.
In addition you benefit from an automatic filter backwash.



AS CONTROL PLUS

– FOR OVERFLOW POOLS



AS CONTROL PLUS
MANUALS



Art. No.	Description	Gross price € without VAT
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AS CONTROL PLUS FOR OVERFLOW POOLS

Exclusive control with a big, digital display and very easy navigation menu (see features on page 11)
The AS Control Plus is equipped with a 512 MB memory card to keep records for protocol purposes for up to 10 months. This data can be downloaded and analysed.

Technical specifications:

- Connectors: 71 pcs (inputs and outputs)
- Relay: 13 pcs
- Fuse: 4 x 10 ampere each
- Display: 4 plie multilayer
- Control box protection rating: IP 65

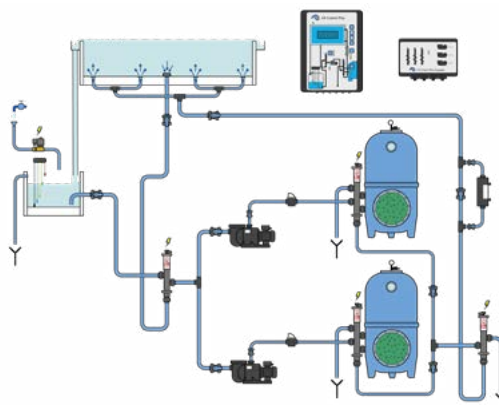
081190	AS Control PLUS incl. buffer tank control with memory card, version DE/FR without temperature sensor (air and water), without level sensor	1'690.00
081191	AS Control PLUS incl. buffer tank control with memory card, version EN/ES without temperature sensor (air and water), without level sensor	1'690.00
081192	AS Control PLUS incl. buffer tank control with memory card, version IT/DE without temperature sensor (air and water), without level sensor	1'690.00
081070	Temperature sensor (water) including thermowell NiZn	113.00
081071	Temperature sensor (air) waterproof for outside use with 10 m cable and mounting material	97.00
081080	Electrode set with 5 sensors and support	357.00
081079	Solenoid valve type 139/13 m G 12N R ½"	162.00
TOTAL		2'419.00

OPTIONAL

081089	Pressure switch to the AS Control 4 and Plus. Setting range 0.5-1.5 bar For pressure controlled backwash	185.00
081073	Thermowell ½" stainless steel with M-connector for water temperature sensor	88.00

OPTIONAL EXPANDER

081188	AS Control Plus Expander additional control for up to 3 filters and 3 pumps	1'145.00
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Price List 2024 Euro FlowVis flowmeters



M³/H

Provides a clear and accurate reading of the flow rate in m³/h



Unique patented 2 in 1 design Flow meter
+ check valve*

*Models d.32mm, d50mm and d63mm



Installs quickly and requires no calibration



NSF 50 level 1 certified product
Verified accuracy of $\geq 98\%$.



FlowVis® Your pool's speedometer!

FlowVis® is the most advanced, affordable and reliable high precision flow meter designed for pools, spas, fountains and water attractions. Ingeniously designed and reliable, it represents a revolution in flow measurement!

Knowing the flow rate is a must for any pool

Installing a variable speed pump to save energy and improve water quality makes perfect sense, but the only way to know how to adjust the speed of your pump is to know the flow rate.

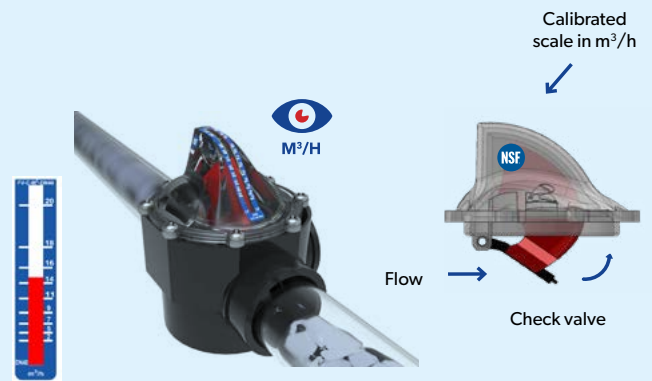
Establishing the required flowrate allows you to achieve turnover requirements; setting the flowrate too high will use more energy than required and setting it too low will result in poor water quality.

Also, pressure losses are very often underestimated in a pool system and the vast majority of water quality problems are directly related to incorrect flow rates.

With FlowVis®, your pool can run at its optimal speed at any time - during the filtration and backwash phases.

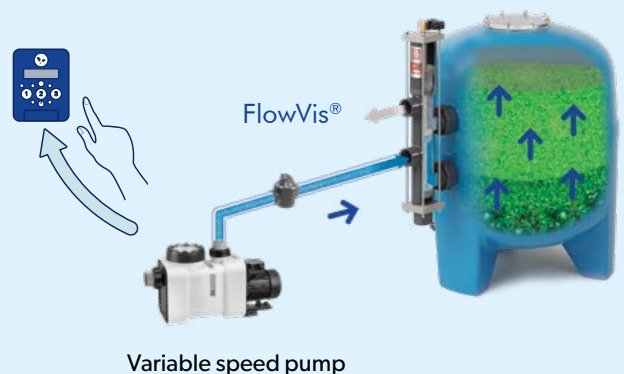
1 CONTROL YOUR FLOW!

FlowVis® improves the management and control of all new and existing installations.



2 ADJUST YOUR FLOW!

FlowVis® allows you to perfectly adjust the speeds of your variable speed pump, optimising filtration performance, backwash water savings and maximising energy savings.

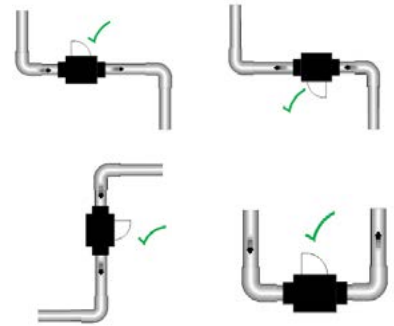




- SAFETY AND CONTROL OF YOUR INSTALLATION
- OPTIMAL FILTRATION AND BACKWASH PERFORMANCE
- ENERGY, CHEMICAL AND BACKWASH WATER SAVINGS
- STABLE AND CONTROLLED WATER QUALITY

You cannot install it incorrectly!

- Installs quickly and requires no calibration.
- Does not require straight pipe before/after.
- Can be installed right next to other fittings.
- Can be installed horizontally, vertically or upside down.
- No "bouncing" floats: Does not jump, does not stick.
- Maintains accuracy even with air in the pipe.



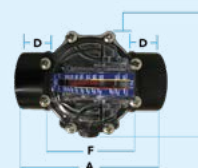
FlowVis® Digital (optional) - Ref 90030

- Adaptable to all new and existing FlowVis installations.
- Can be programmed by a simple selection of 4 DIP switches.
- Digital and graphic display of flow rate in m³/h, LPM, or US gpm.
- Programmable flow alarms.
- Display of water turnover rate in hours.
- Easy access to flow rate readings in confined spaces
- 8 m extension cable available as an option.



OPERATIONAL DATA

Max working pressure	3.5 Bar
Min/Max operating ambient temp	0°C / 60°C
Periodic calibration	Not required



Download the FlowVis® brochure for exact pressure drops and dimensions of each model



„Know the flow - Know the speed!“
FlowVis - Your swimming pool's speedometer

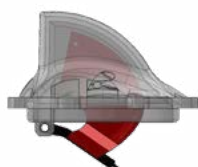


CONTROL - PROTECT - OPTIMISE!

H₂Flow - FlowVis Flow Meter

C/90

The Flow Meter FlowVis® from H₂Flow can be installed in every direction. DN 40 and 50 has included a NRV (not return valve). The average accuracy is 98%. The product is NSF 50 certified and a product of high quality. Scale in m³/h. Made in the USA.



90028-C

Item No.	Description			List price € excl. VAT
90020	FlowVis® Flow Meter with NRV*	d50 mm	2,4 - 21 m ³ /h	230.00
90021	FlowVis® Flow Meter with NRV*	d63 mm	2,4 - 24 m ³ /h	230.00
90021-D	FlowVis® Flow Meter	d63 mm	2,4 - 24 m ³ /h	270.00
90026	FlowVis® Flow Meter*	d75 mm (to glue outside)	7,0 - 45 m ³ /h	230.00
90026-D	FlowVis® Flow Meter	d75 mm (to glue outside)	7,0 - 45 m ³ /h	270.00
90022	FlowVis® Flow Meter	d90 mm	16 - 54 m ³ /h	690.00
90023	FlowVis® Flow Meter	d110 mm	27 - 102 m ³ /h	705.00
90027	FlowVis® Flow Meter	d160 mm	68 - 227 m ³ /h	840.00
90028	FlowVis® Flow Meter	d200 mm	113 - 420 m ³ /h	1'040.00
90027-C	FlowVis® with clamps	d160 mm	68 - 227 m ³ /h	920.00
90028-C	FlowVis® with clamps	d200 mm	113 - 420 m ³ /h	1'100.00
90030	FlowVis Digital Display for all installations: Digital Display in casing			990.00
90032	FlowVis Flapper with Indicator and magnet for d50mm - d75mm (retrofit)			40.00
90035	FlowVis Display extension cable 8m			255.00
90024	FlowVis Service Kit d50mm/d63mm/d75mm (new gasket, springs, flap)			90.00
90025	FlowVis Service Kit d90mm/d110mm (new gasket, springs)			115.00

* items sold in the following packing units: 27 pcs. per box

items marked in blue already come equipped with magnets for digital upgrade



AQUA SOLAR
SCHWIMMBAD- UND FILTERTECHNIK

BESGO
SWISS QUALITY

