

DRYDEN
AQUA

PRICE LIST 2018 EURO

Swimming Pools



Dryden Aqua

About us

Dryden Aqua is one of the largest manufacturer of glass filtration media in the world. Our activated filter media AFM® is verified to be the best. AFM® doubles the performance of sandfilters without the need for additional investments in infrastructure.

We are marine biologists and provide innovative solutions for clean water, waste water, aquatic life support systems and swimming pools worldwide.

Our Mission

Our mission is to provide solutions that have a positive environmental impact on our ecosystem. We help to make this world a better place - a non-toxic environment for everyone.

Our Production in Bonnyrigg, Scotland:



Dryden DAISY®

Prevent instead of killing!

Dryden DAISY® describes a system which prevents biological growth, instead of letting bacteria grow to big populations to oxidate them with much chlorine afterwards.

⇒ As a result the Chlorine demand decreases up to 80%.

⇒ The less Chlorine is used, the less dangerous (volatile) minor products of disinfectants are produced.

Dryden DAISY® consists of three integrated steps:

1. Filtration with the bio-resistant filter media **AFM®**
2. Best coagulation and flocculation with **APF®** and **ZPM**
3. Enhanced oxidation with **ACO®**

Step 1: Filtration with AFM®

AFM® stands for **A**ctivated **F**ilter **M**edia, a revolutionary filter media made from green and brown container glass, developed by marine biologist Dr. Howard Dryden. AFM® exceeds the performance of quartz and glass sand by filtering at least twice as efficiently. The catalytic properties on the surface of AFM® make it fully bio-resistant, which means no biofilm is formed in the filter bed. This reduces the chlorine demand and therefore the formation of harmful volatile disinfection by-products such as THM's, cyanogen chloride and trichloramine. Not only the chlorine smell but also the risk of getting infected by pathogens like legionella or cryptosporidium, is greatly reduced. The pool is healthier, especially for children, safer for the environment and more economical.

AFM® has been successfully used in over 200,000 public and private swimming pools worldwide.

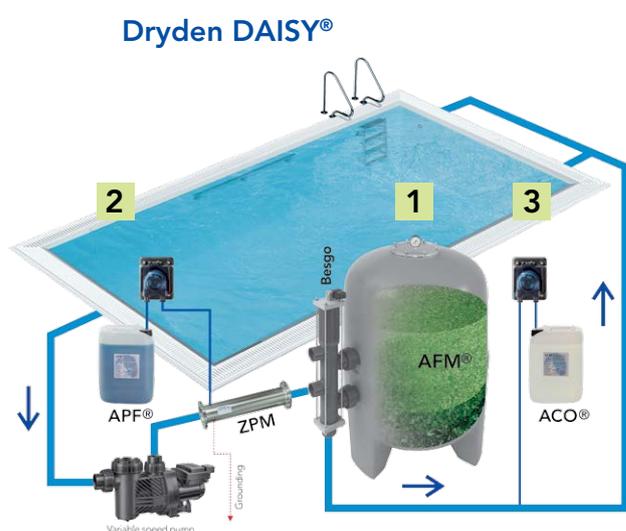
Step 2: Best coagulation and flocculation with APF® and ZPM

AFM® Grade 1 will remove particles down to 4 microns (at a filtration speed of 20 m/h). When AFM® is combined with a ZPM static mixer using APF® (All Poly Floc), the nominal filtration will go down to 0.1 microns and much of the dissolved organic matter will also be removed. Dissolved organics such as urea, creatine and amino acids are responsible for 80% of the chlorine demand.

Lower concentrations of organic matter mean lower chlorine demand and lower concentration of disinfection by-products (DBP's).

Step 3: Use the power of the sun with ACO®

ACO® acts as a catalyst and chlorine stabiliser in outdoor pools. With ACO®, the natural power of the sun is significantly increased and chlorine is protected from photo oxidation by the sun.



- 1 Filtration with **AFM®**
- 2 Coagulation and flocculation with **APF®** and **ZPM**
- 3 Catalytic oxidation with **ACO®**

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Swimming Pools

Activated Filter Media AFM®

AFM®

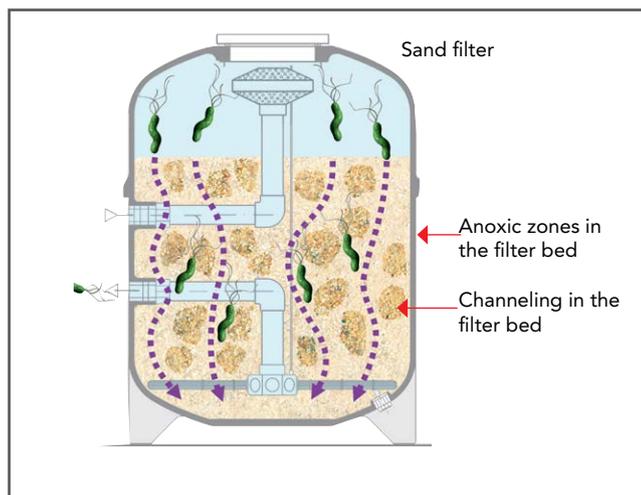
Bioresistant Activated Filter Media: Filters twice as well as sand

Reason 1 - Material

AFM®, Activated Filter Media, is a bio-resistant filter media made from brown and green glass.

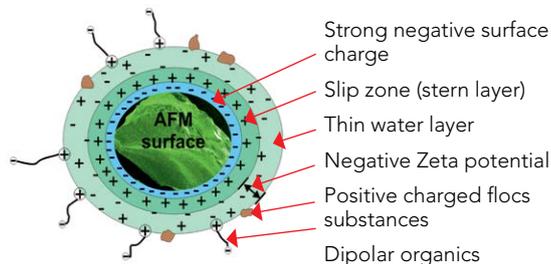
This means:

1. No clusters or channeling forming in the filter for continuous high filtration performance over many years
2. Less problems with Legionella, Pseudomonas or Cryptosporidium
3. Less chlorine smell, because approx. 50% less Trichloramines and 50% less THM's (Trihalomethanes) are created



Reason 2 - Activation

The unique, patent protected activation process creates a high negative surface charge for electrostatic filtration. As a result we reach a filtration efficiency of 4 microns or less for crystal clear water.



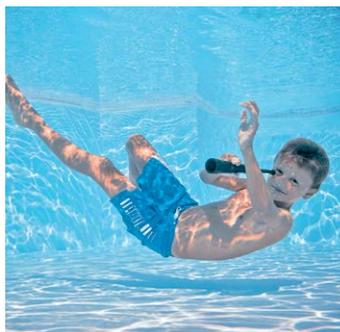
Reason 3 - Efficiency

High backwash efficiency (20% slower and 20% shorter) results in savings of 50% of the backwash water for high cost efficiency.

High filtration performance means less disinfectants are used resulting in healthier water and better air quality at lower costs.



Drinking water



Swimming pools



Aquaria

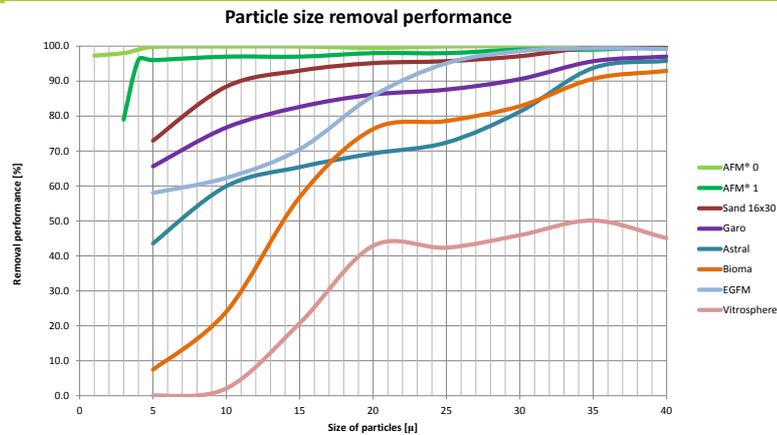
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Swimming Pools

Activated Filter Media AFM®

AFM® – ACTIVATED FILTER MEDIA

A/10



The graph above shows the test results (July 2014) from IFTS (Institute of Filtration and Techniques of Separation, www.ifts-sls.com). Different glass filter media and sand were tested. The test was done without flocculation and at a filtration rate of 20 m/h to get a representative comparison.

AFM® 1 will remove more than **95%** of all particles down to **4 microns**. The best a fresh, very high quality sand or other glass filter media can achieve is 20 microns at an efficiency of 95%. In addition filtration performance of AFM® will stay at this high level for many years. The backwash speed should be minimum 45 m/h.

AFM® 0 has been developed for best filtration where flocculation cannot be used. **AFM® 0** is able to remove particles of **1 micron** at an efficiency of more than **95%**. AFM® 0 cannot be combined with flocculation. The backwash speed should be between 25 and 30 m/h.



NSF/ANSI 50 & 61

Filter filling:

Dryden Aqua recommends the following layers:

without AFM® 0

70% AFM® 1
15% AFM® 2 as supporting layer
15% AFM® 3 as supporting layer

with AFM® 0

20% AFM® 0
50% AFM® 1
30% AFM® 2 and AFM® 3 as supporting layer

Remark:

For smaller filters (<1000 mm diameter) and for all filters with nozzle plate beds, irrespective of filter diameter, use 70% of AFM® 1 and 30% of AFM® 2. AFM® 3 is for larger diameter filters to ensure adequate filtration.

Item No.	Description	Package quantity	Pallet quantity	List price € excl. VAT	
10000	AFM® grade 0	0.25 – 0.5 mm	Bags of 25 kg	40 on CP-1	40.00
10021	AFM® grade 1	0.4 – 1.0 mm	Bags of 21 kg	40 on EUR-1	35.00
10022	AFM® grade 2	1.0 – 2.0 mm	Bags of 21 kg	40 on EUR-1	35.00
10023	AFM® grade 3	2.0 – 4.0 mm	Bags of 21 kg	40 on EUR-1	35.00

28 pallets per truck; 20 pallets per container (20 ft)

10010	AFM® grade 0	0.25 – 0.5 mm	Bulk bags of 1,000 kg	CP-1	1,600.00
10011	AFM® grade 1	0.4 – 1.0 mm	Bulk bags of 1,000 kg	CP-1	1,600.00
10012	AFM® grade 2	1.0 – 2.0 mm	Bulk bags of 1,000 kg	CP-1	1,600.00
10013	AFM® grade 3	2.0 – 4.0 mm	Bulk bags of 1,000 kg	CP-1	1,600.00



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Swimming Pools

Swimming Pool Water Treatment Products

APF® - ALL POLY FLOC

B/20



The best Coagulant and Flocculant

APF® (All Poly Floc) is a multi spectrum coagulant and flocculant containing 5 components and is therefore covering a wide spectrum. APF® also contains 0.5 l NoPhos. APF® combined with AFM® and a ZPM will achieve the best possible filtration performance.

- **Dryden DAISY®: Crystal clear water with a nominal filtration to 0.1 micron**
- **With DAISY® up to 80% less consumption of disinfectants**
- **Dryden DAISY® is the basis for chlorine free systems**

Automatic dosage: Application rate is 0.5 - 1.0 ml per m³ of water filtered.

For example, if water flow through filter is 10 m³/hr, APF® dosing rate will be 5 - 10 ml/h. Inject APF® into the pipework between the pump and the filter.



Item No.	Description	Package quantity	List price € excl. VAT
20011	APF® Pool 20 kg	NEW 24 pcs / pallet (EUR-1)	67.00

ACO® - PHOTO CATALYST AND CHLORINE STABILISER

B/20

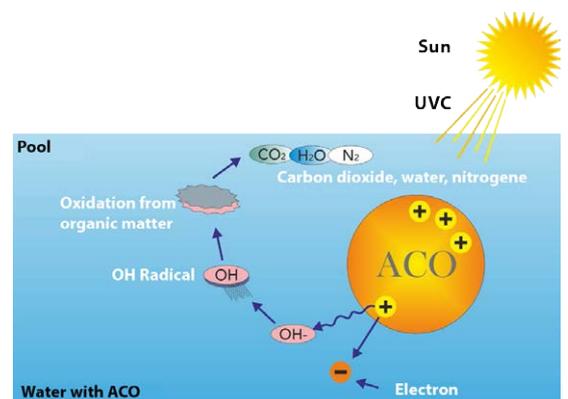
Using the natural power of the sun

ACO® is a highly innovative, ecofriendly liquid product, especially effective in any outdoor pools, including salt water pools. ACO® has 2 main features:

1. **ACO® increases the natural disinfection power of the sun.**
Amplifies in the production of free radicals by the sun.
2. **ACO® protects chlorine from photo oxidation through the sun.**
The half-life of inorganic chlorine (40min) is increased by factor 4, eliminating the need for cyauric Acid (CYA) or stabilized chlorine.



- **Clearer water (40% less turbidity)**
- **Lower chlorine consumption (20-40%)**
- **Less combined chlorine (50% less)**



Dosage: 1 l per 100 m³ of pool water per week or 5 l per 100 m³ per month. Apply directly to pool and shake well before use.

Item No.	Description	Package quantity	List price € excl. VAT
20022	ACO® 5 kg	4 pcs / carton - 160 pcs / pallet (EUR-1)	26.00
20021	ACO® 20 kg	NEW 24 pcs / pallet (EUR-1)	72.00

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Swimming Pools

Swimming Pool Water Treatment Products

NOPHOS - NO PHOSPHATE

B/20

NoPhos => No Phosphate => No Problems

NoPhos extracts phosphate from the water. Phosphate is a vital nutrient for algae and bacteria. If all phosphates are removed from the water, algae and bacteria will disappear. Nophos is a biological solution and the best preventive treatment replacing the need for all algicides.



- **Eliminates phosphates**
- **Biological solution**
- **Water becomes crystal clear**

Dosage: Weekly add 1 - 2 ml per m³ of water (ex.: 50 m³ pool = 50-100 ml).

Use the Phosphate Test Kit to measure the phosphate concentration; then dose NoPhos accordingly: To bind 0.1 ppm phosphate, you need 1 ml NoPhos per m³ of pool water.

Example: Pool volume of 100 m³ and a phosphate concentration of 0.5 ppm you need 500 ml of NoPhos.

Target values for phosphate concentration: Swimming pools/water features: 0.0 ppm
Natural swimming pools/ponds: 0.05 – 0.1 ppm

Item No.	Description	Package quantity	List price € excl. VAT
20000	NoPhos 1 l / 1.2 kg	12 pcs / carton - 480 pcs / pallet (EUR-1)	24.00
20001	NoPhos 5 l / 6 kg	4 pcs / carton - 160 pcs / pallet (EUR-1)	85.00
20002	NoPhos 20 l / 24.5 kg	NEW 24 pcs / pallet (EUR-1)	325.00
20005	Phosphate Test Kit (20 tests)	20 pcs / carton - 480 pcs / pallet (EUR-1)	29.00



DRYOX

B/20

DryOx removes biofilm easily and economically

Each tablet of DryOx dissolved in water generates 2 g of chlorine dioxide. Chlorine dioxide is a soluble gas that penetrates biofilm and removes it. DryOx is about 100 times more effective in removing biofilm than chlorine. The higher the concentration and the longer the exposure time, the more effective DryOx will be.

Dosage

In swimming pools

- Deep Clean every 3 month: Add 2 DryOx tablets per 10 m³ of water and backwash after 30 minutes. The concentration of chlorine dioxide cannot exceed 0.4 mg/l.
- Disinfection of filter media: Fill the balance tank. Add 2 DryOx tablets per 10 m³ of pool water in the balance tank. Dissolve the tablet and stop the pumps for 5 minutes. Turn the pumps on for 5 minutes and then turn off again for 1 hour.

In whirlpools and hot tubs:

Add 2 tablets per 1000 l water volume. Turn on the filter and massage system for 1 hour. Do not use the pool during this time. Then completely drain the pool water, rinse and refill with fresh water. Repeat this treatment at least every 3 months.

Cleaning solution:

Add 1 tablet to 20 litres of water and wash down the dirty surface (channel, cover) with this solution. Let it work for 1 hour and rinse with water.



Item No.	Description	Package quantity	List price € excl. VAT
20031	DryOx for whirlpools	8 tablets 20 pcs. / carton - 480 pcs / pal. (EUR-1)	28.00
20032	DryOx for swimming pools	8 tablets 20 pcs. / carton - 480 pcs / pal (EUR-1)	28.00
20033	DryOx for swimming pools	60 tablets 144 pcs / pallet (EUR-1)	160.00

Not available in every country

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Swimming Pools

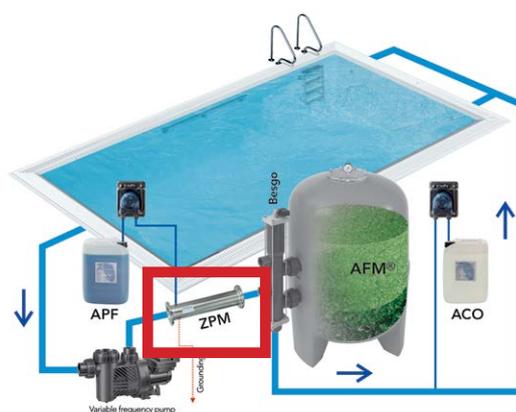
Zeta Potential Mixer

ZPM - ZETA POTENTIAL MIXER

C/30

The static mixer for the cavitation of water – optimise coagulation and flocculation: ZPM stands for Zeta Potential Mixer and is a static mixer manufactured in stainless steel 1.4571. The ZPM amplifies the coagulation and flocculation reactions for the conversion and precipitation of dissolved components into small particles. The ZPM provides the perfect mixing and turbulent environment necessary for coagulation using APF® and NoPhos. The ZPM neutralises the electrical charge (Zeta Potential) on dissolved particles. The opposite charges attract and this causes coagulation and flocculation. As the zeta potential drops the redox oxidation potential of the water increases. The water begins to disinfect itself without the use of any chemicals. With a one-time small investment you improve your water quality forever.

Choose the size of the ZPM according to the pressure loss. Pressure loss should be between 1 and 2 mH₂O (0.1 – 0.2 bar).



Item No.	Size	no of fins	conn. ²	length	weight	Pressure loss ⁴			List price € excl. VAT
						0.2 bar	0.3 bar	0.5 bar	
30000 ¹	DN 40	3	1½" SK ³	235 mm	0.75 kg	5 m ³ /h	6.5m ³ /h	8.5 m ³ /h	204.00
30001	DN 40	2	1½" SK ³	195 mm	0.75 kg	10 m ³ /h	12 m ³ /h	15 m ³ /h	184.00
30002 ¹	DN 50	3	2" SK ³	300 mm	1.2 kg	8.5 m ³ /h	13 m ³ /h	21.5 m ³ /h	235.00
30003	DN 50	2	2" SK ³	240 mm	1.2 kg	15 m ³ /h	23 m ³ /h	30 m ³ /h	208.00
30004	DN 65	3	2½" SK ³	332 mm	2.8 kg	20 m ³ /h	27 m ³ /h	40 m ³ /h	338.00
30005	DN 80	3	3" FL	419.6 mm	11.2 kg	20 m ³ /h	30 m ³ /h	45 m ³ /h	949.00
30006	DN 100	3	4" FL	519.6 mm	14.4 kg	50 m ³ /h	60 m ³ /h	80 m ³ /h	1,154.00
30013	DN 125	3	5" FL	640 mm	21.0 kg	70 m ³ /h	85 m ³ /h	115 m ³ /h	1,340.00
30007	DN 150	3	6" FL	759.6 mm	26.8 kg	100 m ³ /h	125 m ³ /h	170 m ³ /h	1,616.00
30008	DN 200	3	8" FL	979.6 mm	41.2 kg	175 m ³ /h	220 m ³ /h	290 m ³ /h	2,078.00
30009	DN 250	3	10" FL	1,219.6 mm	58.6 kg	260 m ³ /h	325 m ³ /h	420 m ³ /h	2,970.00
30010	DN 300	3	12" FL	1,496 mm	77.2 kg	385 m ³ /h	475 m ³ /h	500 m ³ /h	3,450.00

¹ While stock lasts. Use in future models with 2 fins.

² SK = Socket / FL = flange

³ Old models with external thread

⁴ 1 bar ≈ 10 mWS ≈ 10 m H₂O ≈ 15 psi

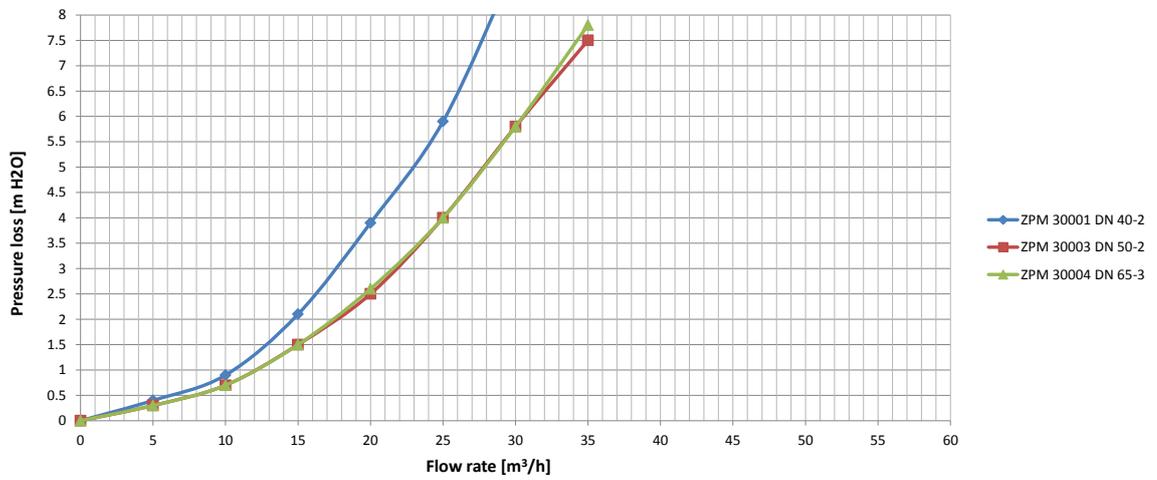
DN40 – DN50: 1 injection point ½" / **DN65 – DN300:** 2 injection points ½"

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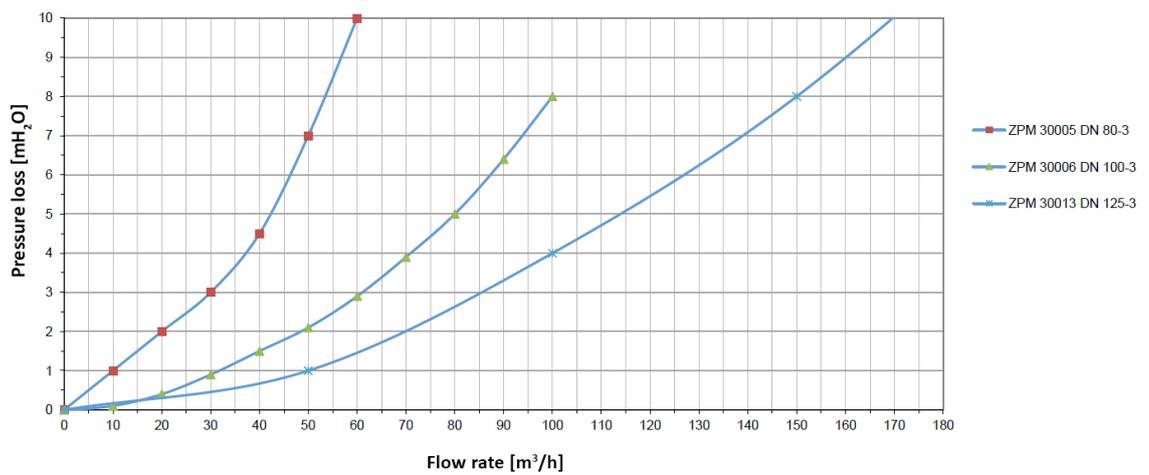
Swimming Pools

Zeta Potential Mixer

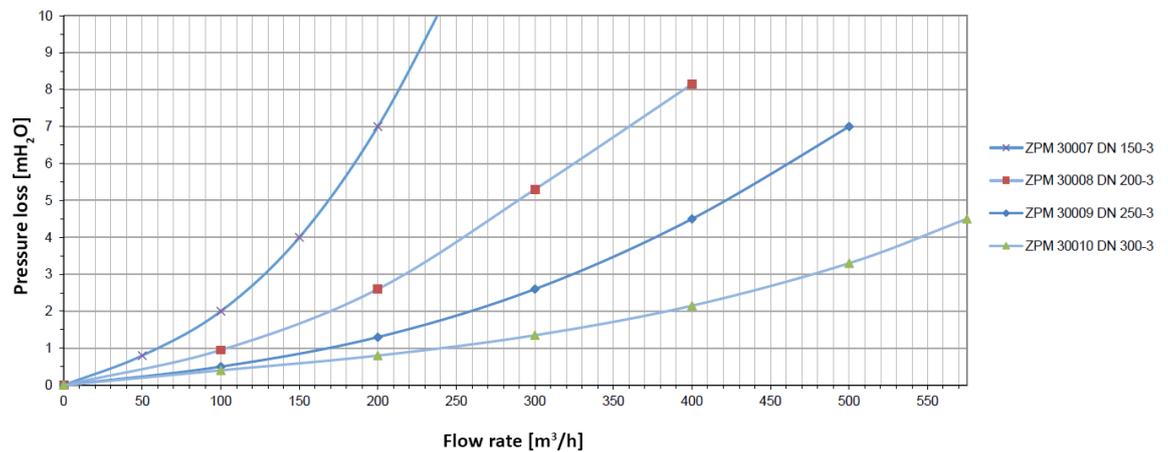
Pressure loss DN 40 - DN 65



Pressure loss DN 80 - DN 125



Pressure loss DN 150 - DN 300



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Swimming Pools

DA-GEN

DA-GEN

Pool water quality depends on four key factors: 1) pool hydraulics, 2) flocculation & filtration (Dryden DAISY®), 3) oxidation and pH control and 4) addition of fresh water.

Your pool specialist is responsible for the correct design of the pool hydraulics. The key is to guarantee complete and optimal water flow throughout the entire pool allowing appropriate circulation and turnover. Best flocculation and filtration is achieved with Dryden DAISY® (Dryden Aqua Integrated System). Dryden DAISY® is designed to minimise the growth of algae and pathogens. Nevertheless there is always a need for disinfection. The most effective oxidising agents are so-called free radicals.

Free radicals are very short-lived and disintegrate within seconds. Therefore a residual oxidant is needed to guarantee residual disinfection in the pool. The most suitable oxidant for this task is a small amount of chlorine.

Our DA-GEN produces both. With a properly sized Dryden DAISY® you will only need 0.1 mg / l of free chlorine in private pools to ensure proper disinfection. This is pool water in drinking water quality – no chlorine smell and crystal clear!

3 reasons for the DA-GEN:

1. **Highly efficient electrodes:** require very low conductivity: Only 1.0kg NaCl or 1.5kg MgCl₂ is needed => low corrosion risk and high production of free radicals
2. **Automatic measuring and controlling of free chlorine, pH and APF®:** Guarantees crystal clear water and safe disinfection without chlorine smell
3. **24/7 full control with integrated Wi-Fi module**



DAISY+: Pool water in drinking water quality!



DA-GEN COMPLETE FC

C/40

We recommend the following configuration.

DA-GEN complete FC includes the following modules: Wi-Fi, free chlorine control, flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF®.

Everything mounted ready-to-use on a panel (NEW 75x75cm)

Item No.	Description	chlorine production		max. pool volume private	List price € excl. VAT
		TDS 1200	TDS 2400		
40001	DA-GEN complete 45-FC	7g	15g	45 m ³	5,250.00
40002	DA-GEN complete 90-FC	15g	30g	90 m ³	5,750.00
40003	DA-GEN complete 150-FC	25g	50g	150 m ³	6,490.00

DA-GEN COMPLETE RX

C/40

The DA-GEN is also available configured with Redox control instead of free chlorine. DA-GEN complete RX includes the following modules: Wi-Fi, redox control, flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF®. Everything mounted ready-to-use on a panel (NEW 75x75cm). This configuration cannot guarantee a free chlorine level of only 0.1 mg/l!

Item No.	Description	chlorine production		max. pool volume private	List price € excl. VAT
		TDS 1200	TDS 2400		
40011	DA-GEN complete 45-RX	7g	15g	45 m ³	4,250.00
40012	DA-GEN complete 90-RX	15g	30g	90 m ³	4,750.00
40013	DA-GEN complete 150-RX	25g	50g	150 m ³	5,490.00

PRICE LIST 2018

Swimming Pools

DA-GEN



DA-GEN FC SET - IN COMPONENT FORM

C/40

The DA-GEN unmounted sets includes the same parts as the complete kit, but not mounted and without the tubes and the panel.

DA-GEN unmounted set includes the following modules: Wi-Fi, free chlorine control set (incl. prefilter, fitting and 2m tube 10/8mm), flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF®.

New: The set includes now also the Dosing pumps, the installation set, the suction lance and the TDS meter!

Item No.	Description	chlorine production		max. pool volume private	List price € excl. VAT
		TDS 1200	TDS 2400		
40006	DA-GEN set 45-FC-NM	7g	15g	45 m ³	4,550.00
40007	DA-GEN set 90-FC-NM	15g	30g	90 m ³	5,050.00
40008	DA-GEN set 150-FC-NM	25g	50g	150 m ³	5,790.00

DA-GEN RX SET - IN COMPONENT FORM

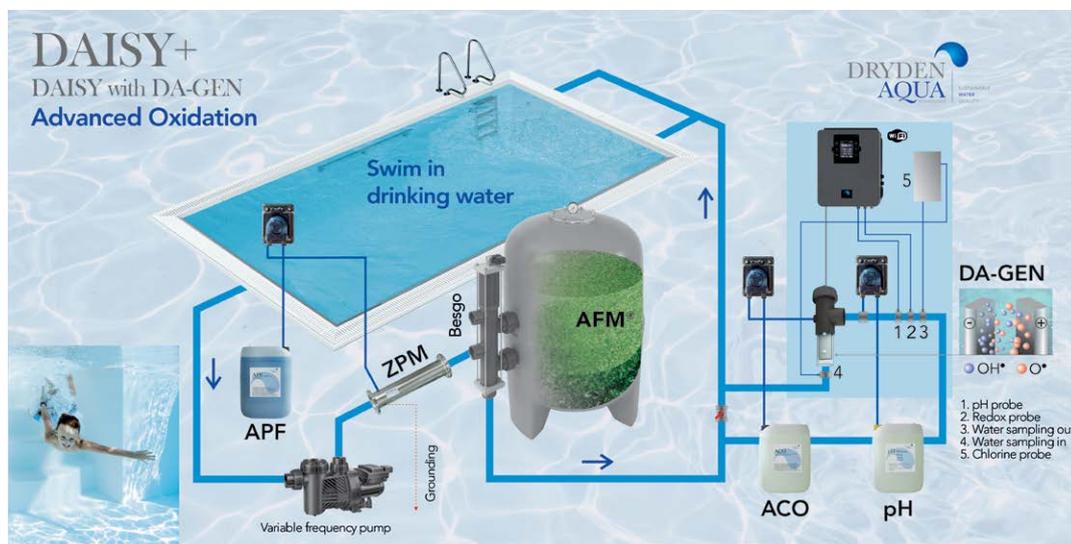
C/40

The DA-GEN unmounted sets includes the same parts as the complete kit, but not mounted and without the tubes and the panel.

DA-GEN unmounted set includes the following modules: Wi-Fi, redox control, flow detector, temperature module, suction lance, TDS analyser, pH control, pH dosing pump, flocculation pump for APF®.

New: The set includes now also the Dosing pumps, the suction lance and the TDS meter!

Item No.	Description	chlorine production		max. pool volume private	List price € excl. VAT
		TDS 1200	TDS 2400		
40016	DA-GEN set 45-RX-NM	7g	15g	45 m ³	3,550.00
40017	DA-GEN set 90-RX-NM	15g	30g	90 m ³	4,050.00
40018	DA-GEN set 150-RX-NM	25g	50g	150 m ³	4,790.00



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Swimming Pools

DA-GEN

DA-GEN MODULAR

C/40

With DA-GEN modular you can customise your own DA-GEN. **WITHOUT Wi-Fi!**



40020 - 40023



40025 - 40030

Item No.	Description	chlorine production		max. pool volume	List price € excl. VAT
		TDS 1200	TDS 2400	private	
40021	DA-GEN modular 45	7g	15g	45 m ³	1,220.00
40022	DA-GEN modular 90	15g	30g	90 m ³	1,750.00
40023	DA-GEN modular 150	25g	50g	150 m ³	2,495.00
40025	DA-GEN modular 240	40g	80g		4,820.00
40026	DA-GEN modular 360	60g	120g		7,110.00
40027	DA-GEN modular 500	88g	175g		9,400.00
40028	DA-GEN modular 750	125g	250g		11,990.00
40029	DA-GEN modular 1,000	175g	350g		18,450.00
40030	DA-GEN modular 1,500	250g	500g		23'990.00

DA-GEN EQUIPMENT

C/40

Customise your DA-GEN to your needs. Please check what is already included in your chosen configuration. Check our Spare Parts price list as well.

Item No.	Description	List price € excl. VAT
40055	pH control kit (without probe holder)* (1/2")	330.00
40057	Free chlorine kit (with space for 1 pH probe)	1,600.00
40151	Installation set free chlorine incl. prefilter & fittings excl. PE-tube (Only FC version)	120.00
40152	Connection tube PE 10/8 mm (50 m)	60.00
40056	Redox kit (without probe holder)* (1/2")	430.00
40050	Temperature module (1/2")	80.00
40051	Salinity control = Conductivity meter (automatic)* (1/2")	480.00
40052	Flow detector (3/4")	90.00
40155	New Sacrificing anode (Ground earthing cable) (1/2")	42.00

1 Choose the options*



40151

2 Choose the holder



43220

By-Pass probe holder



40060



50030 & 50016



40150

43175	Probe holder for 1 Flow detector (3/4" connection)	30.00	
40149	Probe holder for 1 or 2 options (1/2" connection)	30.00	
43177	Probe holder for 1 or 2 options (1/2") & 1 Flow detector (3/4")	30.00	
43176	Probe holder for 3 options (1/2" connection)	30.00	
43220	By-pass probe holder for pH & Redox (double version with one prefilter)	110.00	
40203	Wi-Fi module	435.00	
40204	LAN module ¹	490.00	
40053	TDS analyser (manual)	60.00	
40060	Suction lance with level sensor	100.00	
50030	Stenner dosing pump Econ VS	0.15 - 1.2 l for pH & ACO®	325.00
50016	Dryden Aqua floc-dos-pump	3 - 160 ml for APF®	420.00
40150	Pre-filter APIC F20 complete (big version)	140.00	

*pH and Redox option comes without a probe holder!

¹ Available from summer 2018

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Swimming Pools

DA-GEN

DA-GEN SERVICE EQUIPMENT

C/40



Item No.	Description	List price € excl. VAT
40153	Service set 1 year (Stenner tubes, O-rings and injection Valve)	45.00
40154	Service set 4 years (Stenner tubes, O-rings, injection Valves, prefilter, etc...)	270.00
40156	Decalcification unit 10 l (up to DA-GEN 150)	80.00

DA-GEN ACTIVATOR

A/41



Our Special Activator, made from magnesium chloride ($MgCl_2$), helps increase the filtration performance for crystal clear water. For the best results we recommend to mix it with normal salt with a Ratio of 1:3 ($MgCl_2:NaCl$)

Dosage: ~1.5 kg Activator Special or ~1 kg Standard Activator per m^3 of pool water (for TDS ~1200)

Item No.	Description	Package units	List price € excl. VAT
40100	DA-GEN Activator Special	$MgCl_2$ 25 kg bag	40.00
40101	DA-GEN Activator Standard	$NaCl$ 25 kg bag	20.00

DA-GEN REPLACEMENT CELLS

C/40

The lifetime of a cell is 5,000 to 8,000 hours. Usually they have to be replaced every 3 to 5 years.

Delivered without housing, only the cell.



*without housing - only cell

Item No.	Description	List price € excl. VAT
40061	Replacement Cell DA-GEN 24	380.00
40062	Replacement Cell DA-GEN 45	435.00
40064	Replacement Cell DA-GEN 90	684.00
40065	Replacement Cell DA-GEN 150	1,012.00
40066	Replacement Cell DA-GEN 240	2,060.00
40067	Replacement Cell DA-GEN 360	2,665.00
40068	Replacement Cell DA-GEN 500	3,785.00
40069	Replacement Cell DA-GEN 750	4,995.00
40070	Replacement Cell DA-GEN 1,000	7,570.00
40071	Replacement Cell DA-GEN 1,500	10,975.00

Check the separate Spare Parts Price List for more spare parts.

Downloadable on www.drydenaqua.com/swimming-pools/downloads

Which unit I need for a public pool?

Rule: Per m^3/h turnover you need...

- 1 - 2g chlorine for indoor pools
- 2 - 4g chlorine for outdoor pools and spas

Example: 480 m^3 pool, 2400 TDS, 4h turnover rate \Rightarrow 120 m^3/h turnover

- Indoor Pool: 120 m^3/h * 2g/ m^3/h = 240g \Rightarrow **DA-GEN 750**
- Outdoor Pool: 120 m^3/h * 4g/ m^3/h = 480g \Rightarrow **DA-GEN 1500**



PRICE LIST 2018

Swimming Pools

Stenner

DRYDEN AQUA FLOC-DOS-PUMP C/50



Item No.	Description	List price € excl. VAT
50016	Dryden Aqua floc-dos-pump New: 3.2-160ml	420.00
50017	Replacement-tube 3.2-160ml/h for floc-dos-pump (F)	20.00
50018	Replacement-tube 1.3- 70ml/h for floc-dos-pump (M)	20.00

STENNER DOSING PUMP FOR pH OR CI DOSING C/50



50030	Stenner dosing pump Econ VS 0.15 - 1.2 l/h	325.00
50031	Replacement tube A for Econ VS 0.15 - 1.2 l/h	20.00
50032	Replacement tube B for Econ VS 0.3 - 2.2 l/h	20.00

STENNER DOSING PUMP C/50



50003	Stenner dosing pump 45M-1 (20 – 400 ml/h; adjustable)	498.00
50005	Pump tube Stenner no 1 20 - 400 ml	20.00
50006	Pump tube Stenner no 2 60 - 1,250 ml	20.00
50007	Pump tube Stenner no 7 140 - 2,800 ml	20.00
50008	Pump tube Stenner no 4 210 - 4,400 ml	20.00
50009	Pump tube Stenner no 5 320 - 6,300 ml	20.00

REPLACEMENT PARTS STENNER C/50



50011	Suction weight 6 mm	16.00
50010	Injection valve Stenner ¼" & ½" with non return valve for APF®	22.00
50013	Duckbill for non return valve (50010)	4.00
50022	Injection valve Stenner ¼" & ½" without non return valve for ACO®	20.00
50015	Ferrule 6 mm blue	1.00
50021	Connection nut for tube	3.00
50023	Replacement pump head cover	15.00
50024	Replacement pump head roller	28.00

PRICE LIST 2018

Swimming Pools

Blue-White & Active Carbon

BLUE WHITE FLOW METER - HORIZONTAL MOUNT

C/90

Item No.	Description				List price € excl. VAT
90002	Flow meter ¹	DN 40	d 50 mm	3-18 m ³ /h	125.00
90003	Flow meter ²	DN 50	d 63 mm	4.5-28.5 m ³ /h	139.00
90008	Flow meter	DN 65	d 75 mm	12-54 m ³ /h	158.00
90009	Flow meter	DN 80	d 90 mm	15-66 m ³ /h	178.00
90010	Flow meter	DN 100	d 110 mm	33-96 m ³ /h	194.00
90011	Flow meter	DN 150	d 160 mm	48-168 m ³ /h	305.00
90012	Flow meter	DN 200	d 220 mm	78-270 m ³ /h	338.00

¹ replaces 90004 & 90005

² replaces 90006 & 90007

BLUE WHITE FLOW METER - VERTICAL MOUNT

C/90

90015	Flow meter	DN 40	d 50 mm	6-24 m ³ /h	155.00
90016	Flow meter	DN 50	d 63 mm	9-36 m ³ /h	166.00

H₂FLOW - FLOWVIS FLOW METER

C/90

The Flow Meter FlowVis® from H₂Flow can be installed in every direction and has a included not return Valve (DN 40 to DN 65). The average accuracy is 97.9%. The product is NSF 50 certified and a product of high quality. Scale in LPM. Made in the USA.

Item No.	Description				List price € excl. VAT
90020	New FlowVis® Flow Meter	DN 40	d 50 mm	with nrv	175.00
90021	New FlowVis® Flow Meter	DN 50	d 63 mm	with nrv	175.00
90022	New FlowVis® Flow Meter	DN 80	d 90 mm		520.00
90023	New FlowVis® Flow Meter	DN 100	d 110mm		565.00

Color	Velocity (Meters Per Second)
Green	≤1.52
Yellow	1.53 - 2.73
Red	2.74≥

Recommendations in Filtration mode:

Suction Side: 1 to 1.5 m/s (Green area)

Pressure Side: 1.5 to 2.0 m/s (Yellow area)

ACTIVATED CARBON from coconuts shells (type CC 8x16)

C/90

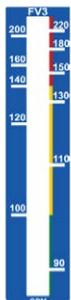
In public indoor pools: For the reduction of organic chloramines add 5 to 10 cm activated carbon as a top layer. The combined chlorine levels will be reduced by up to 50 %. Chlorine consumption will rise accordingly.

Specific weight: 500 kg / m³

Packing unit: 20 pcs per pallet = 1 m³

Only Activated Carbon made of Coconut shells will provide good results!

Item No.	Description	Package quantity	Pallet quantity	List price € excl. VAT
90105	Activated carbon from coconut shells 1.18 - 2.36mm	Bags of 50 l/25 kg	20 on CP-1	150.00



PRICE LIST 2018

Swimming Pools

Dryden Aqua Glass Sand

DGS: DRYDEN AQUA GLASS SAND

A/11



DGS stands for Dryden Aqua glass sand and is most likely the best glass sand on the market. It is produced by Dryden Aqua in our own factory in strict compliance with our ISO certified process. The glass is first washed and decontaminated and then carefully broken to the appropriate particle shape and size. Above all we make sure no dangerous glass splinters can get into the filter material and that the organic load is below 400g per ton. Other glass media has a contamination between 500g and 10'000g per ton. AFM® only has 50g/t. But DGS is not AFM®. DGS does not undergo our patented activation process and it is manufactured from mixed glass - the white glass is not removed.

Nevertheless, DGS is a better filter media than sand because it biofouls less, but it's not bio-resistant like AFM®. DGS is the answer to compete in the generic glass sand market and a highly price sensitive customer segment that is less concerned about performance. Glass sand by Dryden Aqua: The same price as other glass sand on the market, but a higher quality.

Advantages:

- Clearer water
- Less consumption of disinfectant
- Less chlorine smell

Filter filling:

Dryden Aqua recommends the following layers:

- 70% DGS 1
- 15% DGS 2
- 15% DGS 3*

*Remark:

For smaller filters (<1,000 mm diameter) and for all filters with nozzle plate irrespective of filter diameter, use 70% of DGS 1 and 30% of DGS 2. DGS 3 is for larger diameter filters to ensure adequate filtration.



Item No.	Description	Package quantity	Pallet quantity	List price € excl. VAT
11001	Dryden Glass Sand grade 1 0.3 – 1.0 mm	Bags of 25 kg	40 on CP-1	21.00
11002	Dryden Glass Sand grade 2 0.8 – 2.0 mm	Bags of 25 kg	40 on CP-1	21.00
11003	Dryden Glass Sand grade 3 2.0 - 5.0 mm	Bags of 25 kg	40 on CP-1	21.00
11004	Dryden Glass Sand grade 1 0.3 – 1.0 mm	Bulk Bags of 1,000 kg	CP-1	800.00
11005	Dryden Glass Sand grade 2 0.8 – 2.0 mm	Bulk Bags of 1,000 kg	CP-1	800.00
11006	Dryden Glass Sand grade 3 2.0 - 5.0 mm	Bulk Bags of 1,000 kg	CP-1	800.00

24 pallets per truck; 20 pallets per container (20 ft)

www.drydenaqua.com
sales@drydenaqua.com