



ZODIAC

TRi **PRO** module



TRi PRO module

Automatic regulation of pH and chlorine generation for TRi

2010 Soft launch

Preferential installer manual



1) PRESENTATION

As a preferred customer, we would like to provide you the possibility to test the new TRi PRO module in “exclusive preview”.

This soft launch will allow you to familiarize with this new product and will give us your perception and your remarks concerning this new product.

TRi PRO module includes in one single enclosure a pH regulation (pH minus injection only) and an automatic chlorine generation system (ACL method which uses Redox potential) to make the TRi salt water chlorinator a full autonomous unit.

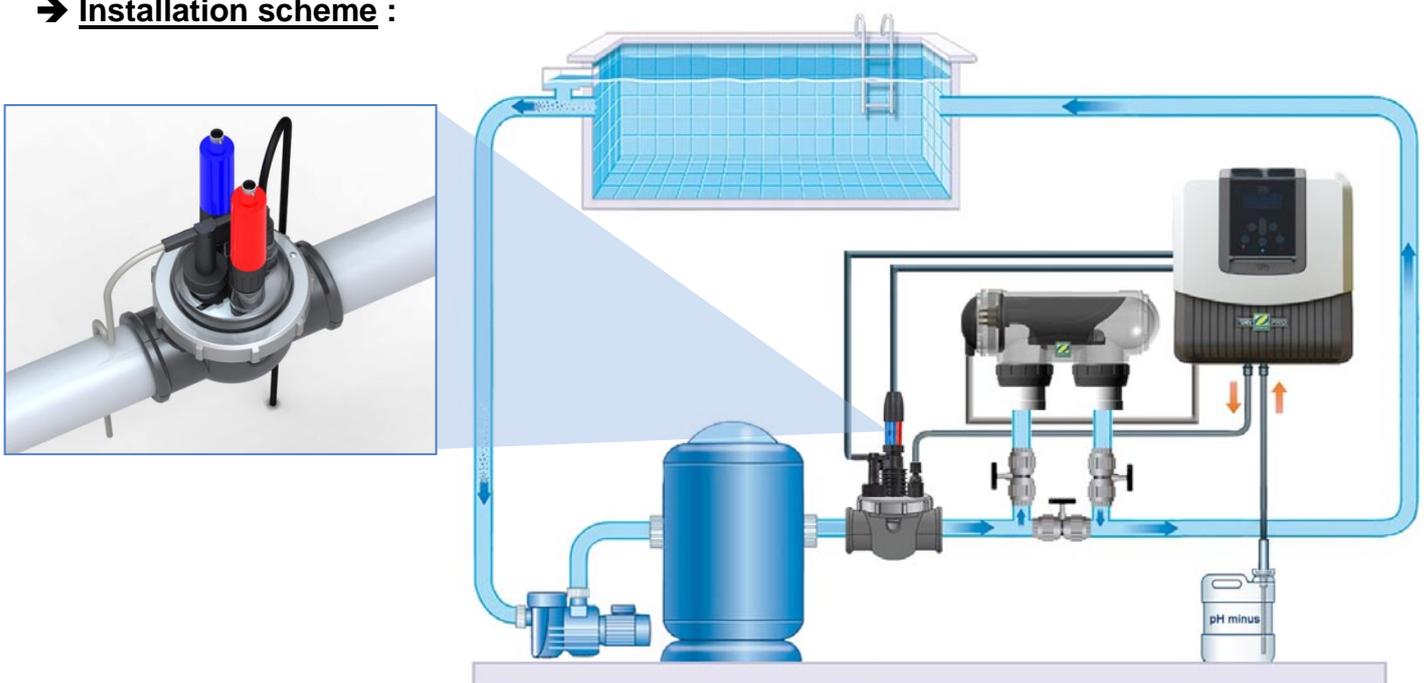
You consequently have a specific system dedicated to pools equipped with a cover, a shelter or indoor pools where chlorine demand is generally lower but irregular compared to outdoor pools.

TRi PRO module uses a new POD which integrates all necessary measuring and treatment equipment (already used into new version of TRi pH module). This POD could be installed either onto 50 mm or 63 mm pipes (outside diameter). As a result, it gives you a big installation ease because you get rid of many hose clamps !

TRi PRO POD includes :

- flow switch (provided with TRi salt water chlorinator)
- pH sensor (blue)
- ACL sensor (red)
- pH minus one-way valve

→ Installation scheme :





2) FAQs

→ *What is ACL ?*

« ACL » (which means « Active Chlorine Level ») is a Zodiac term to describe the disinfectant capacity of pool's water. It's the water oxido-reduction potential (called « ORP » or « Redox ») which determines water oxidizing capacity against organic materials (algae, bacteria...).

→ *What brings TRi PRO module ?*

It brings an automatic regulation of pool's water treatment. TRi salt water chlorinator will automatically adjust free chlorine level in order to maintain an optimal ACL level. Be careful : TRi ACL level don't show free chlorine concentration but Redox potential (ORP) !

→ *What is POD function ?*

TRi PRO POD allows pool professional to easily and quickly install all necessary features in one time. All components (flow switch, sensors and valve) are gathered onto a single hose clamp which could be installed onto both common pipes types (50 and 63 mm OD).

→ *Is there a risk to put sensors and corrective product injection at the same place ?*

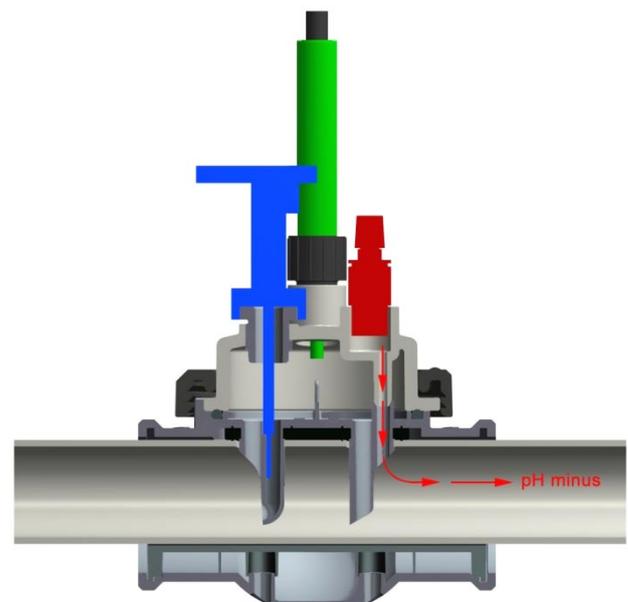
No because POD has been developed to improve efficiency and make reliable water parameters reading. The 2 sensors (pH & ACL) are gathered in a single measuring chamber which provides a low and constant water flow to increase reading accuracy. In addition, corrective product one-way valve is completely separated from measuring chamber to prevent contact between sensors and pH minus and every false reading.

→ *TRi PRO POD cut view :*

Blue: flow switch

Green : pH / ACL sensors

Red : one-way valve



→ *Where should the POD be positioned ?*

TRi PRO POD must be the first element after filtration system. It should be fitted before an eventual heating system. It must also be positioned vertically onto piping.



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3) TESTING PROCEDURE

As a favour returning for offering you the new TRi PRO, we just ask for a simple report of installation and use.

This will allow us to give you the better answer to your needs before official launch for the next 2010/2011 season.

The more adapted pool types for this test are :

- "standard" outdoor pool
- outdoor pool with a cover (electric or manual)
- sheltered pool
- indoor pool

➔ **This TRi PRO test has 2 parts :**

- **Installation report with an « installation sheet » (see page 5)**
- **Weekly report with a « bimonthly analysis sheet » (see attached Excel file)**

To give us a regular reporting, we invite you to install TRi PRO module onto a demo pool or a private pool which belongs to a « loyal » customer living near your office.

Installation sheet (to be filled only one time) and bimonthly analysis sheet have to be sent :

- by email : goery.cussenot@zmp-zodiac.com
- by fax : 0033(0)4.78.79.56.29. (attn : Goëry)
- by post : ZODIAC POOL CARE EUROPE
Attn : Goëry CUSSENOT
Parc d'activité du Chêne
2 Rue Edison
69500 BRON, France

INSTALLATION SHEET

TRi PRO module

Customer's name :

Pool's name / Pool owner's name :

TRi salt water chlorinator model : TRi10 TRi18 TRi22 TRi35

TRi PRO module serial number (see picture) :



Pool type :

- Outdoor without cover Outdoor with a cover (electric or manual)
 Sheltered Indoor

Exposure (outdoor pool) :

- Sheltered from wind Wind Sun In the shade
 Many vegetation Few vegetation

Specifications :

- Volume : m³ - Heating system : Yes No
 - Daily filtration time (during season) : hours / day

Water analysis before TRi PRO module installation :

pH	Free chlorine (ppm or mg/L)	Stabilizer / ACy (ppm or mg/L)	Alkalinity / TAC (ppm)	Hardness / TH (ppm)	Salt (g/L)	Water temperature (°C)

InitialTRi settings :

pH setpoint (write displayed value)	Pool volume setting (put a cross onto selected value)				ACL setpoint (put a cross onto displayed value)					
	1	2	3	4	1	2	3	4	5	6

Remarks :