INJECTA

the perfect dosing

INTRODUCING NEW LAUNDRY SYSTEM

RAINBOW SERIES



www.injecta.com

RAINBOW SERIES

Key to any Commercial laundry is efficiency in the total operation, reliability of operation and consistency of dosing.

The Rainbow Series is a flexible, modular chemical dosing system offering accuracy, reliability, cost management and peace of mind to the professional laundry manager.

The system design and specification has been driven from in depth customer and market collaboration matched to Injecta's traditionally innovative and dynamic approach to product development.



RAINBOW SERIES - Features

Up to 16 chemical products

Modular system configurable up to 12 washers machine

Up to 100 washing formulas

POD Proof of Dosing

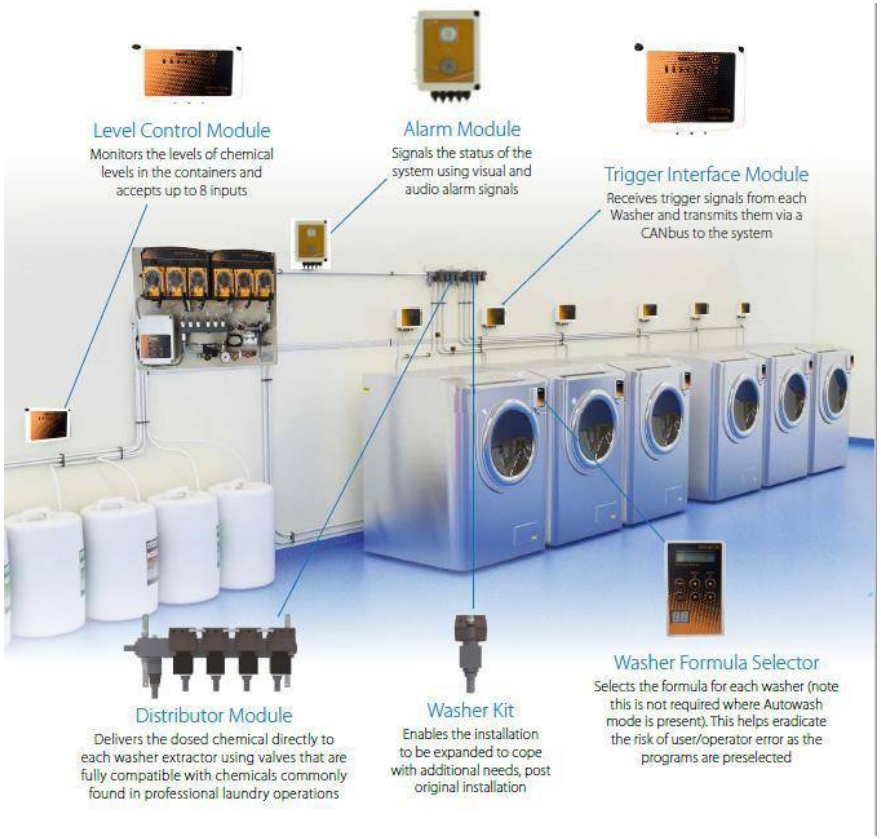
WiFi/Lan direct connection, to allow local programming of the equipment

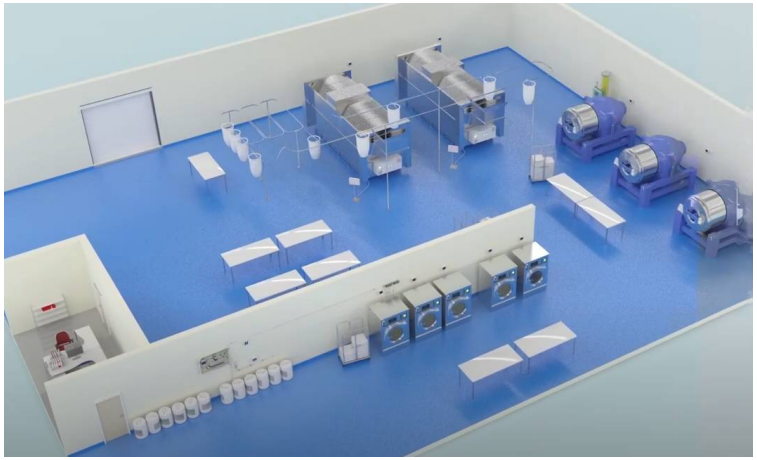
Web Server interface, compatible with all internet browser for any device as PC, tablet and smartphone

Remote management system

Parametric dosing formula dependent on washer extractor capacity

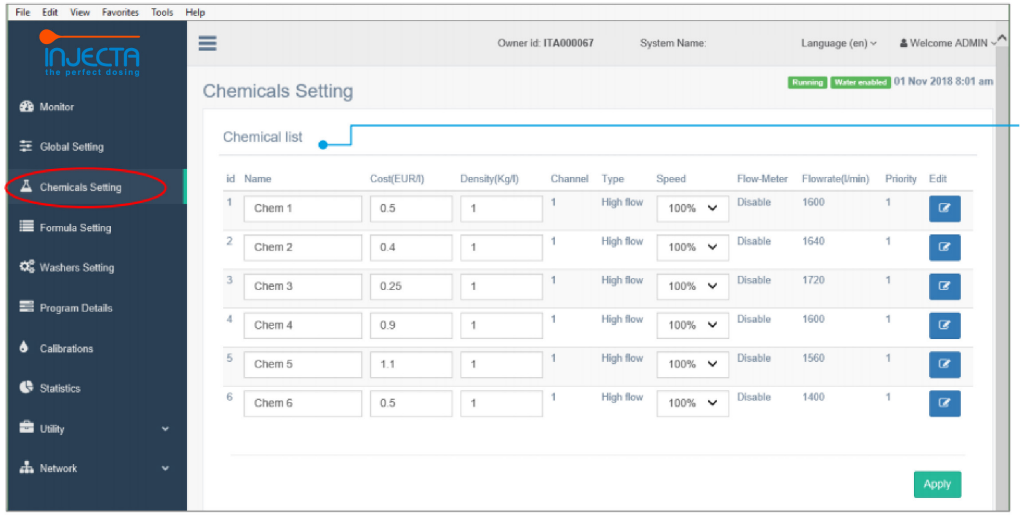
Centralized dosing to reduce install and maintenance times/costs

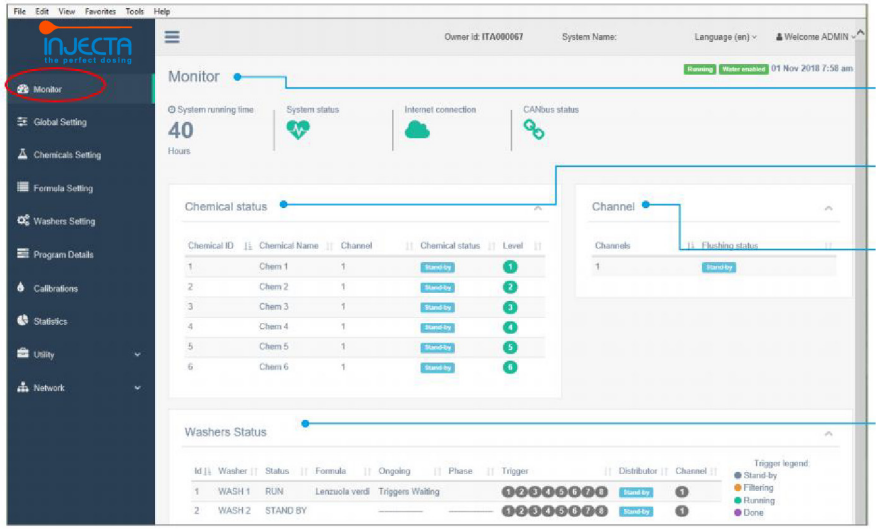




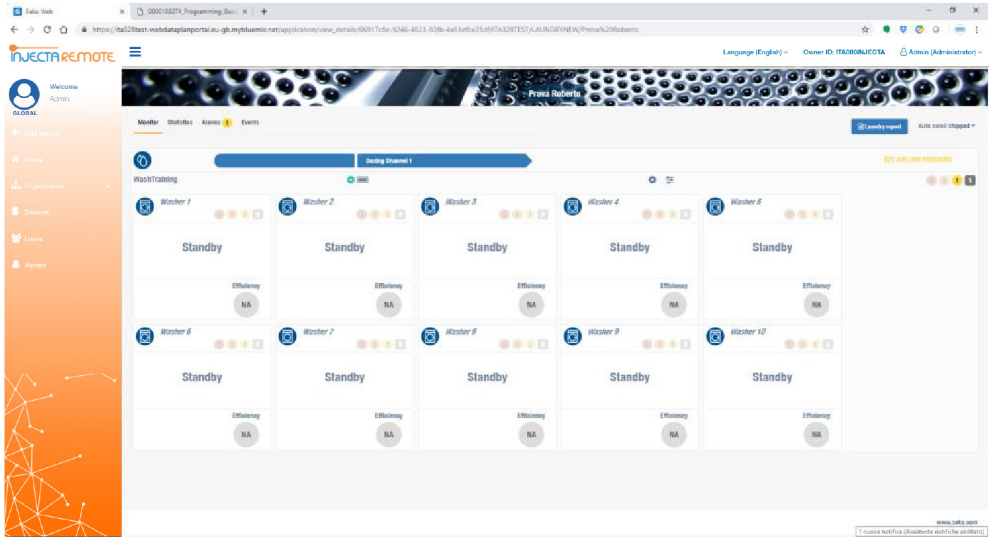
RAINBOW SERIES - Data on Demand

Any time anywhere, operating data available to assist managing a machine or multiple machines across single or multiple premises

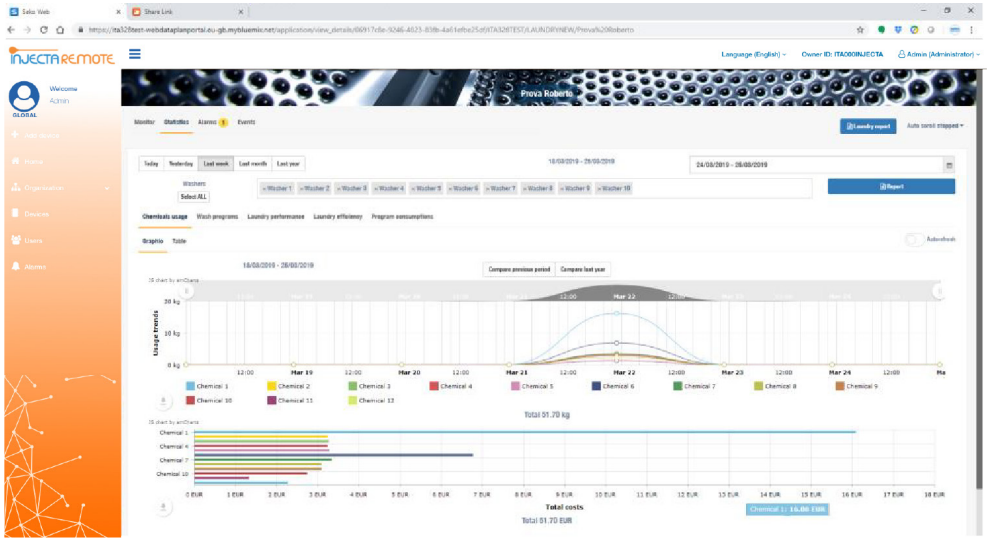




...allow access to the system from any device
without any special Software or App
the only thing needed is an internet browser



Web Server interface, compatible with all internet browsers for any device ad PC, tablet and smartphone
WiFi/Lan direct connection, allows local programming of the equipment
Quick uploading and downloading of parameters and formulas

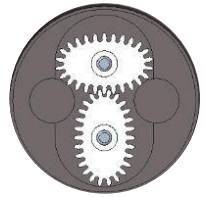


RAINBOW SERIES - Precise Dosing

Rainbow Series with POD (Proof Of Dosing) ensure precise and steady dosage quantity, regardless variability condition of chemical product or tube



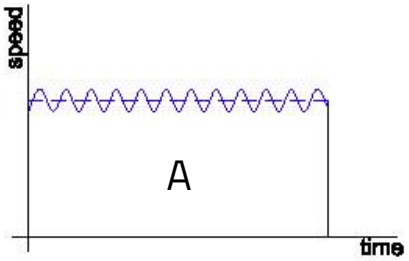




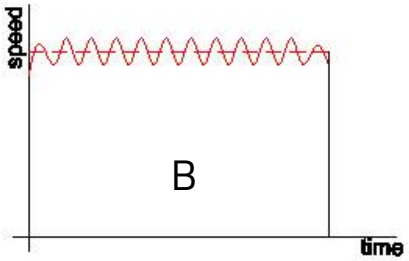
Average speed of fluid at initial calibration e.g. winter time. Cold tubing or new harder tubing

Average speed of fluid at a second time. e.g. summer time. Warm tubing or run.in tubing

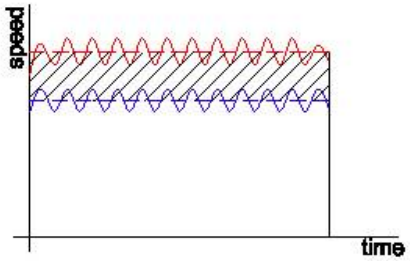
When POD flowmeter is present, speed is checked constantly during dosing



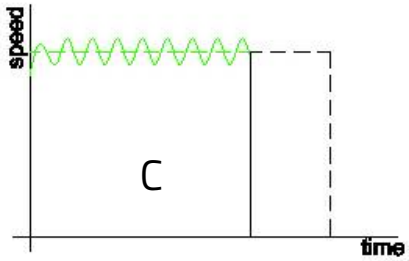
Area A is fluid amount dosed and is proportional to the average speed



In this condition the speed is higher, so amount dosed (area B) is higher



The difference between areas A and B is extra amount dosed, due to speed difference, or contrariwise the quantity lost



With flowmeter the amount dosed is function of speed and NOT of time so dosing is stopped when the exact amount of dosing is reached.
In this example before of the original time, or can be later than for lower speed. (Area C equals to original area A)

NOTE: POD is an optional and initial calibration is needed

The Rainbow Series is modular laundry system platform that can be configured from a dispense for a single washer to a multi washer and tunnel system, up to 10 and running up to 16 chemical with or without flow meters. With the various common shared modules this is a flexible and versatile system that will reduce inventory reduce costs.

1	RAINBOW	Single Machine peristaltic dosing system	Fully programmable peristaltic dosing system with web interface up to 3 machines with extra module 150kg total
2	RAINBOW SOLENOID	Multi Machine single solenoid pump dosing system*	Dosing system for small OPL, based on a single solenoid pump to reduce the space, costs and maintenance. Up to 5 machines 250kg total, up to 8 chemical products
3	RAINBOW PER	Multi Machine multi peristaltic pump dosing system	Designed for OPL laundries with very accurate dosing, peristaltic multi pump dosing unit, featuring high capacity "H" pump heads allowing 100 ltr/hr flow rate. Up to 8 machines 400kg total, up to 16 chemical products
4	RAINBOW AIR	Multi Machine single pneumatic pump dosing system	Pneumatic dosing system for industrial OPL with large flow rate dosing capabilities obtained with a single pneumatic diaphragm pump and several valves for inlets a distribution in a single flushing line o double flushing line. This comes as standard with the flowmeter and has inbuilt self adjusting calibration. Up to 12 machines 1200kg total, up to 16 chemical products

RAINBOW SERIES - installation scheme

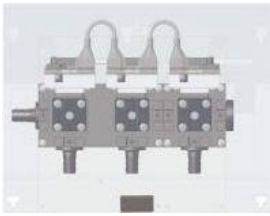


External Alarm Module (OPT.)



Up to 3 laundry machines 150kg total (with extra mudules)
Up to 8 chemical products

Distributor





Flow meter (OPT.)

Water Supply

Level Control Module (OPT.)



Flushing Channel

Trigger Interface



Trigger Interface



Trigger Interface





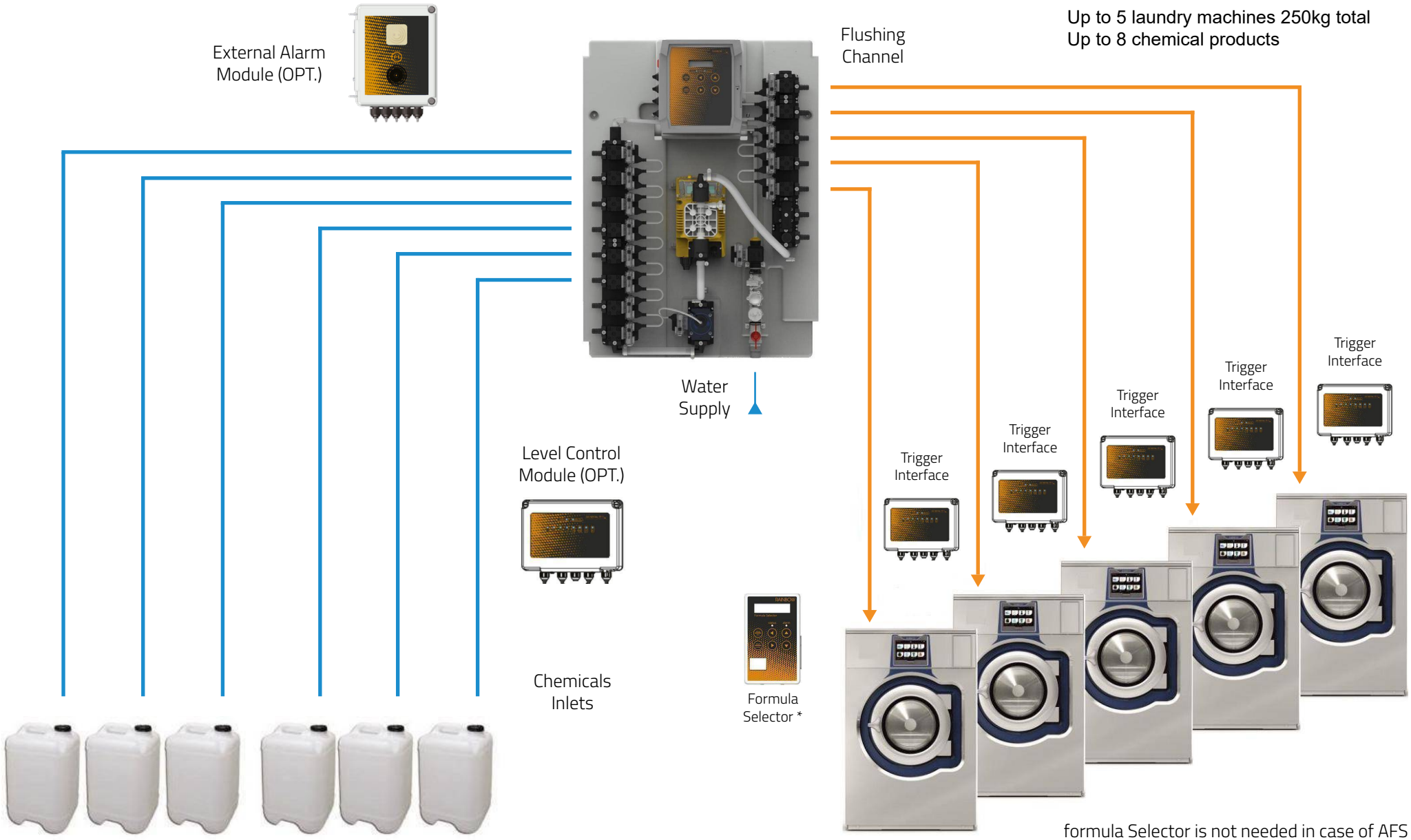
Formula Selector *

Chemicals Inlets



a Selector is not needed in case of AFS

RAINBOW SOLENOID SERIES - Range



RAINBOW PER SERIES - installation scheme



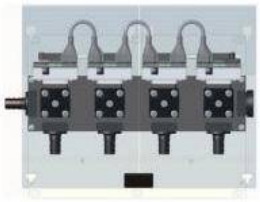
External Alarm Module (OPT.)

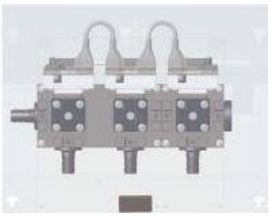


Up to 8 laundry machines 400kg total
Up to 12 chemical products

Distributor

Flushing Channel

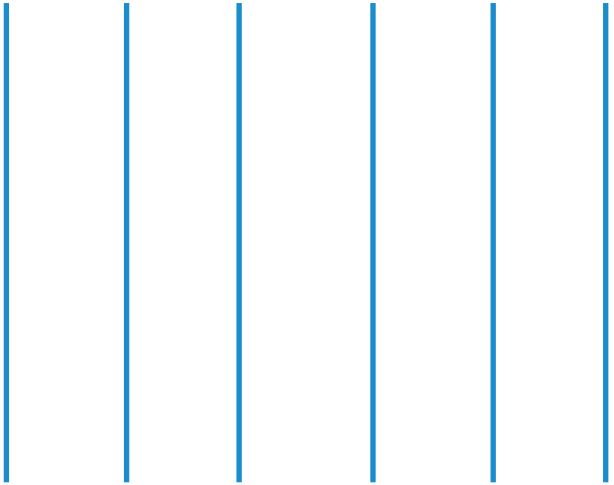




Water Supply

Level Control Module (OPT.)





Chemicals Inlets



Trigger Interface



Formula Selector *



*formula Selector is not needed in case of AFS

RAINBOW AIR SERIES - installation scheme



Level Control Module (OPT.)



Chemicals Inlets



Flushing Channel

Air Supply

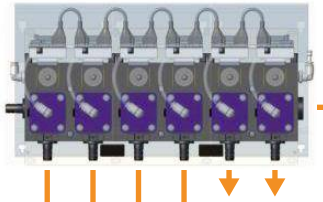


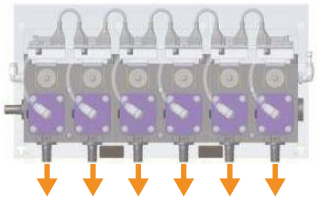
External Alarm Module (OPT.)

Air Supply

Water Supply

Up to12 laundry machines 1200kg total
Up to 16 chemical products





Distributor







Trigger Interface





Formula Selector *

*formula Selector is not needed in case of AFS

RAINBOW SERIES - web connections principle

Web Server
Interface
local programmation



Client

Server

Web Connections





Client

INJECTA REMOTE

RAINBOW SERIES - the only system you'll ever need

- Rainbow Series - the complete professional laundry system
- Flexibility to meet every application
- Remote management facilitates multi site operations
- Multi machine capability 12/16/100 (machines, chemicals, formulas)
- Precision and reliability of dosing
- Maximises operational efficiency
- Centralised dosing system reduces installation and maintenance costs
- Distance dosing optimises space management
- Data on demand operational data anywhere, any time

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SA8000 BUREAU VERITAS Certification