PENTAIR

SIATA
VALVES & CONTROLLERS
VERSATILITY AND RELIABILITY FOR WATER TREATMENT

SIATA valves and controllers propose a full range of state-of-the-art solutions that simplify the process of designing, producing, operating and maintaining water treatment plants for filtration, softening or deionization.

SIATA offers a broad range of multiport composite valves with service flow rates up to 35 m³/h and a complementary line of advanced professional controllers and accessories.

VALVES

The valve control systems are characterized by continuous research and development and also by the ease of operation, maintenance and the customisation that they can offer.

All products are equipped with electrical and hydraulic connections to be linked to the external commands and do not require any additional interface or adaptation modules.

With their unique characteristics, the SIATA valves are particularly suitable for softening, filtration, iron removal, de-alkalization and deionization.

The valves are manufactured from recyclable engineering food grade copolymers. This aligns SIATA with the positive production trends which characterized the best European firms.

CONTROLLERS

More than 30 years of experience in the electronics applied to water treatment field has proven the success of SIATA controllers in carrying out the valves function in the treatment of raw and processed waters. By virtue of thoughtful research, SIATA controllers are more adaptable than any other electro-mechanism of this type.

The control functions monitored by the SIATA controllers ensure that the plant can operate to its maximum efficiency and offer significant savings in production and operating costs. Further assurance is given to SIATA customers through the technical department which can offer you consultation and technical backup on any control systems.

VALVE + CONTROLLER:
MAKE YOUR OWN CHOICE

The key concept at SIATA is to propose valves that can be fitted with almost any controllers depending on your needs.

Pentair engineers work closely with our customers to develop personalized solutions to their specific application. The result is a unique combination of valves and related controllers for years of reliable and troublefree service.

THE COMPLETE RANGE OF SIATA VALVES

	Residential / Commercial					Industrial			
	V132	V230	V240	V250	V260	V360	V350	V351	V363
Valve material	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS	ABS
Inlet/Outlet	2"	2"	2"	2" ¼	2" ¼	3"	2" ¼	2" ¼	2" ¾
Service flow rate (m³/h / gpm)	7 / 30	8.5 / 37.4	8.5 / 37.4	21 / 92.5	21 / 92.5	32 / 141	23 / 101	23 / 101	36 / 159
Backwash flow rate (m³/h / gpm)	3 / 13	4 / 17.6	4 / 17.6	12 / 52.8	12 / 52.8	15 / 66	31 / 137	31 / 137	48 / 211
Valve mounting	Top mount	Top mount	Side mount	Top mount	Side mount	Side mount	Side mount	Top mount	Side mount
Filter option	•	•	•	•	•	•	•	•	•
Duplex	•	•	•	•	•	•	•	•	•

		Softening and filtration controllers			DI controllers
			NEW	NEW	
		SFE	SFE-EV Viridion	SFE-EV PRO	Aquaionic
Applications	Softening	•	•	•	
	Filtration	•		•	
	Dealkanization	•		•	
	Iron removal	•	•	•	
	Deionization				•
Technical specifications	Time clock	•	•	•	
	Volumetric	Immediate/Delayed	Immediate/Delayed	Immediate/Delayed	Immediate
	Adjustable cycle time	•	•	•	•
	Calendar override	•	•	•	
	Chlorine cell management	•	•		
	Microswitch option	•	•		
	Duplex system control			•	
	Holidays mode		•		
	Remote regeneration start	•	•	•	•
	Inhibit signal in/out	•	•	•	•
	Variable brining		•		
	Smart regeneration		•		
	Relay on board	•	•	•	•

A UNIQUE KNOW-HOW IN WATER TREATMENT

SIATA was founded in Italy in 1980 and played a major role on the market with the introduction of such innovation as the use of electronics in control systems. This idea, duly patented, has enabled us to perfect a highly-specialised and extremely versatile range of products for the treatment of water before and after the industrial process.

Pentair has succeeded in strengthening the position of SIATA in the European market. After more than 30 years of existence, the company has solid foundations, with guaranteed, high quality products, confirmed by our customers loyalty, during this time.

SIATA production site in Pisa, Italy

DEIONIZATION

SIATA is the only brand to supply valves, controllers and accessories for DI applications. Their special design in glass fibre reinforced ABS make them suitable for deionization, thanks to their construction that resist to types of regenerants, such as NaOH, HCL and H_2SO_4.

QUALITY

All SIATA products have been certified by major EU certificates: CE, 206 / 95 / EC low voltage, 2004 / 108 / EC electromagnetic compatibility, ACS and DM174.

On top of that, our Pisa plant is ISO 9001:2015 certified.

MANUFACTURING

From the 80s, SIATA valves have been developped and assembled in Italy.

Today, the production is located in our European center of expertise for valves in Pisa, Italy, where Autotrol and Fleck valves are already assembled.

! In 2018 this product will be obsoleted.

ACCESSORIES

Pentair engineers have developed specific accessories such as turbine meters, brine valves and patented by-pass valves that ensure a perfect compatibility with the overall SIATA range.

Other accessories also feature metal adapters, flow regulators, check valves, chlorine producers, distributors...

Turbine meters

Direct by-pass

CORRESPONDANCE TABLE VALVES-CONTROLLERS

| | | Valves | Hydraulic pilot | Controllers applicable | | | Accessories[4] | |
				Basic controllers	High end	Professional controllers	Meter	By-pass
Residential	Simplex softening time clock	V132A	Twin	SFE	SFE-EV Viridion	SFE-EV PRO	Optional[3]	Optional
	Simplex softening metered	V132T	Twin	SFE	SFE-EV Viridion	SFE-EV PRO	Internal	Optional
	Duplex alternating softening	V132E	External	SFE	SFE-EV Viridion	SFE-EV PRO	Optional	Optional
	Simplex filter	V132F	Twin	SFE	N/A	SFE-EV PRO	No	Optional
Commercial	Simplex softening time clock	V132A/V230A/V240A	Twin	SFE	SFE-EV Viridion	SFE-EV PRO	Optional	Optional
	Simplex softening metered	V132T/V230T/V240T	Twin	SFE	SFE-EV Viridion	SFE-EV PRO	Internal	Optional
	Simplex filter	V230F/V240F/V250F/V260F	Twin	SFE	N/A	SFE-EV PRO	No	Optional
	Duplex alternating softening	V132E/V230E/V240A	External	SFE	SFE-EV Viridion	SFE-EV PRO	Optional	Optional
	Duplex parallel softening metered	V132E-T/V230E-T/V240A-T	External	SFE	SFE-EV Viridion	SFE-EV PRO	Internal	Optional
	Triplex softening parallel and alternating	V132E-T/V230E-T/V240A-T	External	SFE	SFE-EV Viridion	SFE-EV PRO	Internal	Optional
	Simplex dealkanization	V132D/V230D/V240D	External	SFE	SFE-EV Viridion	SFE-EV PRO	External	Optional
	Duplex dealkanization	V132D/V230D/V240D	External	N/A	N/A	SFE-EV PRO	External	Optional
	Simplex deionization	V132D/V230D/V240D	External	AI	N/A	AI-PLUS	No	Optional
	Duplex deionization	V132D/V230D/V240D	External	N/A	N/A	AI-PLUS	No	Optional
Commercial/Light industrial	Simplex softening metered & time clock	V250A/V260A	External	SFE	SFE-EV Viridion[2]	SFE-EV PRO	Optional	No
	Simplex filter	V350F/V351F	External	SFE[3]	N/A	SFE-EV PRO[3]	Optional	No
	Duplex alternating softening	V250A/V260A	External	N/A	N/A	SFE-EV PRO	External	No
	Duplex parallel softening	V250A/V260A	External	SFE	SFE-EV Viridion[1]	SFE-EV PRO	External	No
	Triplex softening	V250A/V260A	External	SFE	SFE-EV Viridion[1]	SFE-EV PRO	External	No
	Simplex dealkanization	V250D/V260D	External	SFE	SFE-EV Viridion[1]	SFE-EV PRO	External	No
	Duplex dealkanization	V250D/V260D	External	N/A	N/A	SFE-EV PRO	External	No
	Simplex deionization	V250D/V260D	External	AI	N/A	AI-PLUS	No	No
	Duplex deionization	V250D/V260D	External	N/A	N/A	AI-PLUS	No	No
Industrial	Simplex softening metered & time clock	V360SMA	External	SFE	N/A	SFE-EV PRO	Optional	No
	Simplex filter	V363	External	SFE[3]	N/A	SFE-EV PRO[2]	No	No
	Duplex alternating softening	V360SMA	External	N/A	N/A	SFE-EV PRO	External	No
	Duplex parallel softening	V360SMA	External	SFE	N/A	SFE-EV PRO	External	No
	Triplex softening	V360SMA	External	SFE	N/A	SFE-EV PRO	External	No
	Simplex dealkanization	V360SMD	External	SFE	N/A	SFE-EV PRO	External	No
	Duplex dealkanization	V360SMD	External	N/A	N/A	SFE-EV PRO	External	No
	Simplex deionization	V360SMD	External	AI	N/A	AI-PLUS	No	No
	Duplex deionization	V360SMD	External	N/A	N/A	AI-PLUS	No	No

[1] SFE-EV only up to 200 L of resin
[2] Profilter camshaft needed
[3] In case of conversion to volumetric
[4] SBV compulsory for all system except w/ SFE EV Viridion even though strongly recommended

WATER PURIFICATION | VALVES - SIATA

www.pentairaquaeurope.com