PENTAIR

SIATA
Valve V250

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Valve V250

TECHNICAL CHARACTERISTICS

- ◆ 2 versions available: with or witout by-pass
- ◆ Top mounted valve
- ◆ Up to 21 m^3/h flow rate
- ◆ Quick pilot connections
- ◆ Suitable for residential and commercial softening, demineralisation, dealkalisation applications, as well as filtration systems
- ◆ Compatible with most of the SIATA controller range

TECHNICAL SPECIFICATIONS

VALVE SPECIFICATIONS	
Material	ABS + 17% glass fiber
Color	Blue / black
Hydrostatic pressure	22 bar
Working pressure	From 1.5 to 6 bar
Working temperature	From 5° to 40°C

FLOW RATE (3,5 bar inlet - valve alone)	
Continuous (Δp = 1 bar)	21 m^3/h
Peak (Δp = 1.9 bar)	28.9 m^3/h
Cv *	24.4
Maximum backwash (Δp =1,9 bar)	12 m^3/h
Maximum rapid rinse (Δp = 1.9 bar)	15 m^3/h

* Cv: Flow rate of valve alone in GPM at 0,07 bar pressure drop.

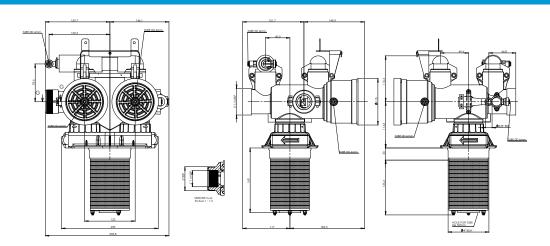| DOWNFLOW REGENERATION	
Adjustable cycles	Depending on controller fitted

VALVE CONNECTIONS	
Inlet /outlet	2"¼ - BSP male threaded
Drain line connector	1"1/2 BSP female - 2" BSP male
Mounting base/Tank connection	4" – 8UN

DIMENSIONS

Inlet/Outlet connection options available

Threaded fittings

494-A/05 : dia. 50 mm to glue (PVC-PVC)

494-G/05 : 2" BSP male (Brass-Brass)

494-H/05 : 1 ½" BSP female (PVC-PVC)

494-P/05 : 1 ½" BSP female (Brass-Brass)

TANK SIZE APPLICATION (RECOMMENDED)

Water softener	14" – 30" (max 500 L of resin)
Filter	14" – 30" (according to filter media specs)
Demineralisation	14" – 30" (max 500 L of resin)

REGENERATION CYCLES

Softener & Demineralisation	Filter**
1) Backwash (Up flow)	1) Backwash (Up Flow)
2) Brine & slow rinse (Down flow)	2) Rapid rinse (Down Flow)
3) Rapid rinse (Down Flow)	

** Depending on the controller type brine draw and slow rinse time must being set on 0.

OPTIONS

Up Flow regeneration	No
Duplex systems	Yes
External DLFC 1" 1/4	Yes

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