



# TECHNICAL SHEET

## **SIATA** COMMERCIAL VALVE V230





## SIATA COMMERCIAL VALVE - V230

### TECHNICAL CHARACTERISTICS



- Flow rate: up to 8.5 m<sup>3</sup>/h
- Quick connect clips allowing easy installation and maintenance
- Hydraulically actuated
- Internal turbine option for meter control
- Driver replica of the pressure point for any special applications, such as driving an external brine valve or closing the valve outlet
- Suitable for simplex, duplex or multiplex softening systems, as well as for filtration, demineralisation, dealkalisation or iron & manganese removal applications
- Compatible with the entire SIATA controller range

### TECHNICAL SPECIFICATIONS

#### VALVE SPECIFICATIONS

|                      |                           |
|----------------------|---------------------------|
| Material             | Glassfiber reinforced ABS |
| Color                | Blue or black             |
| Hydrostatic pressure | 22 bar                    |
| Working pressure     | 1.5-6 bar                 |
| Working temperature  | 5-40°C                    |

#### FLOW RATE (3.5 bar inlet - valve alone)

|                                    |                       |
|------------------------------------|-----------------------|
| Continuous (Δp = 1 bar)            | 8.5 m <sup>3</sup> /h |
| Peak (Δp = 1.9 bar)                | 11 m <sup>3</sup> /h  |
| Cv*                                | 9.6 gpm               |
| Maximum backwash (Δp = 1.9 bar)    | 4 m <sup>3</sup> /h   |
| Maximum rapid rinse (Δp = 1.9 bar) | 4.5 m <sup>3</sup> /h |

\* Cv: Flow rate of valve alone in gpm at 0.07 bar pressure drop.

#### DOWN FLOW REGENERATION

|                   |                                |
|-------------------|--------------------------------|
| Adjustable cycles | Depending on controller fitted |
|-------------------|--------------------------------|



## VALVE CONNECTIONS

|                           |                            |
|---------------------------|----------------------------|
| Inlet/Outlet              | male 2 inches BSP threaded |
| Distributor pipe          | DN 50                      |
| Drain line                | 20 mm - QC**               |
| Brine line                | 3/8 inch BSP               |
| Mounting base             | 4 inches BSP threaded      |
| Height (from top of tank) | 129 mm ± 2                 |

\*\* QC: Quick connect

## TANK SIZE APPLICATION (recommended)

|                  |   |
|------------------|---|
| Water softener   | 8 - 21 inches (max 300 L of resin)              |
| Filter           | 8 - 21 inches (according to filter media specs) |
| Demineralisation | 8 - 21 inches (max 300 L of resin)              |

## METER

|                                  |              |
|----------------------------------|--------------|
| Internal:                        |              |
| Accuracy range (± 5%)            | 12 - 200 Lpm |
| External:                        |              |
| Accuracy range 3/4 inch (± 5%)   | 10 - 120 Lpm |
| Accuracy range 1 1/2 inch (± 5%) | 12 - 200 Lpm |

## REGENERATION CYCLES

|                             |                                   |
|-----------------------------|-----------------------------------|
| Softener & Demineralisation | 1) Backwash (Upflow)              |
|                             | 2) Brine & slow rinse (Down flow) |
|                             | 3) Rapid rinse (Down flow)        |
| Filter***                   | 1) Backwash (Upflow)              |
|                             | 2) Rapid rinse (Down flow)        |

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

## OPTIONS

|                                    |     |
|------------------------------------|-----|
| Remote Bypass w/ or w/o sample tap | Yes |
| Driver replica                     | Yes |

**Contact us:**

**By mail**

.....  
[siata@siata.com.sg](mailto:siata@siata.com.sg)

**By phone**

.....  
Tel. +65 6741 2994

**By fax**

.....  
Tel. +65 6741 2995

**Distributed by:**



**S.I.A.T.A Asia Pacific Pte Ltd**

37 Tannery Lane  
#06-08 Tannery House  
Singapore 347790

Tel: +65 6741 2994 • Fax: +65 6741 2995

**[www.siata.com.sg](http://www.siata.com.sg)**