

# SIATA VALVES

## Dem mineralization Range

Overview on the most common products and configurations for the Demineralization Systems

# Products family

Siata has timers and valves suitable for demineralization systems.

The valves able to work in DI are in the following families:

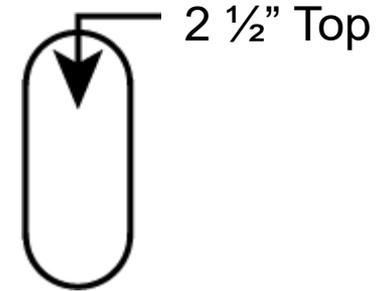
V132, V230, V250, V360

The timers suitable for DI control are 3 different:

Aquaionic, Aquaionic Plus, Aquaionic Plus Duplex

# Valves V132

## Top mounted



Tank connection: 2 ½ " Threaded

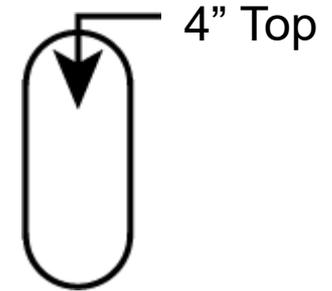
Service Flow rate at 1bar  $\Delta p$ : 6 m<sup>3</sup>/h (valve alone)

Net quantity of resin: from 20 to 125 liters

Typical vessel size: from 7" to 16"

# Valves V230

## Top mounted



Tank connection: 4 " threaded

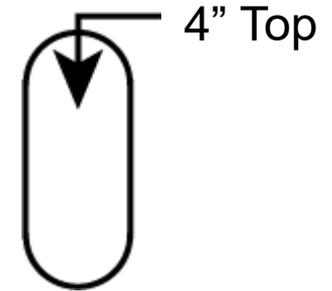
Service Flow rate at 1bar  $\Delta p$ : 8 m<sup>3</sup>/h (valve alone)

Net quantity of resin: from 80 to 220 liters

Typical vessel size: from 14" to 24"

# Valves V250

## Top mounted



Tank connection: 4" top mounted

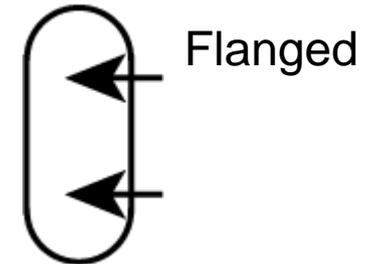
Service Flow rate at 1bar  $\Delta p$ : 20 m<sup>3</sup>/h

Net quantity of resin: from 100 to 300 liters

Typical vessel size: from 21" to 30"

# Valves V360

## Side mounted



Tank connection: Flanged

Service Flow rate at 1bar  $\Delta p$ : 38 m<sup>3</sup>/h

Net Quantity of resin: from 300 to 1000 liters

Typical vessel size: from 24" to 48"

# Controllers for Demineralization

The main categories used to divide the timers to control demineralization systems, are the followings:

- Timer for single units with Siata Valves with 8 or 9 stops.
- Timer for single units with Siata valves and/or single valves systems.
- Timer for duplex units with Siata valves.

# AQUAIONIC Controller for Siata Valves



- Complete controller for Demineralization system.
- Conductivity check, with automatic, manual, remote regeneration start.
- Available signals: Alarm signal, inhibitions of regeneration in case of external alarm.
- Available on demand, for different Power voltages and frequencies

# AQUAIONIC PLUS

## Controller for Siata and Single Valves



- Complete controller for demineralization system, with one or two cam stack stager.
- Conductivity check, with automatic, manual, remote regeneration start.
- Available signals: Alarm signal, set point signal, inhibitions of regeneration in case of external alarm, recirculation pump.
- Available on demand, for different Power voltages and frequencies
- IP65 Box to protect internal PC-board

# AQUAIONIC PLUS DUPLEX Controller for Siata Valves



- Complete controller for Duplex Demineralization system with two cam stack stagers.
- Conductivity check, with automatic, manual, remote regeneration start.
- Available signals: Alarm signal, set point signal, inhibitions of regeneration in case of external alarm, recirculation pump.
- Available, on demand, for different Power voltages and frequencies
- IP65 Box To protect internal PC-board

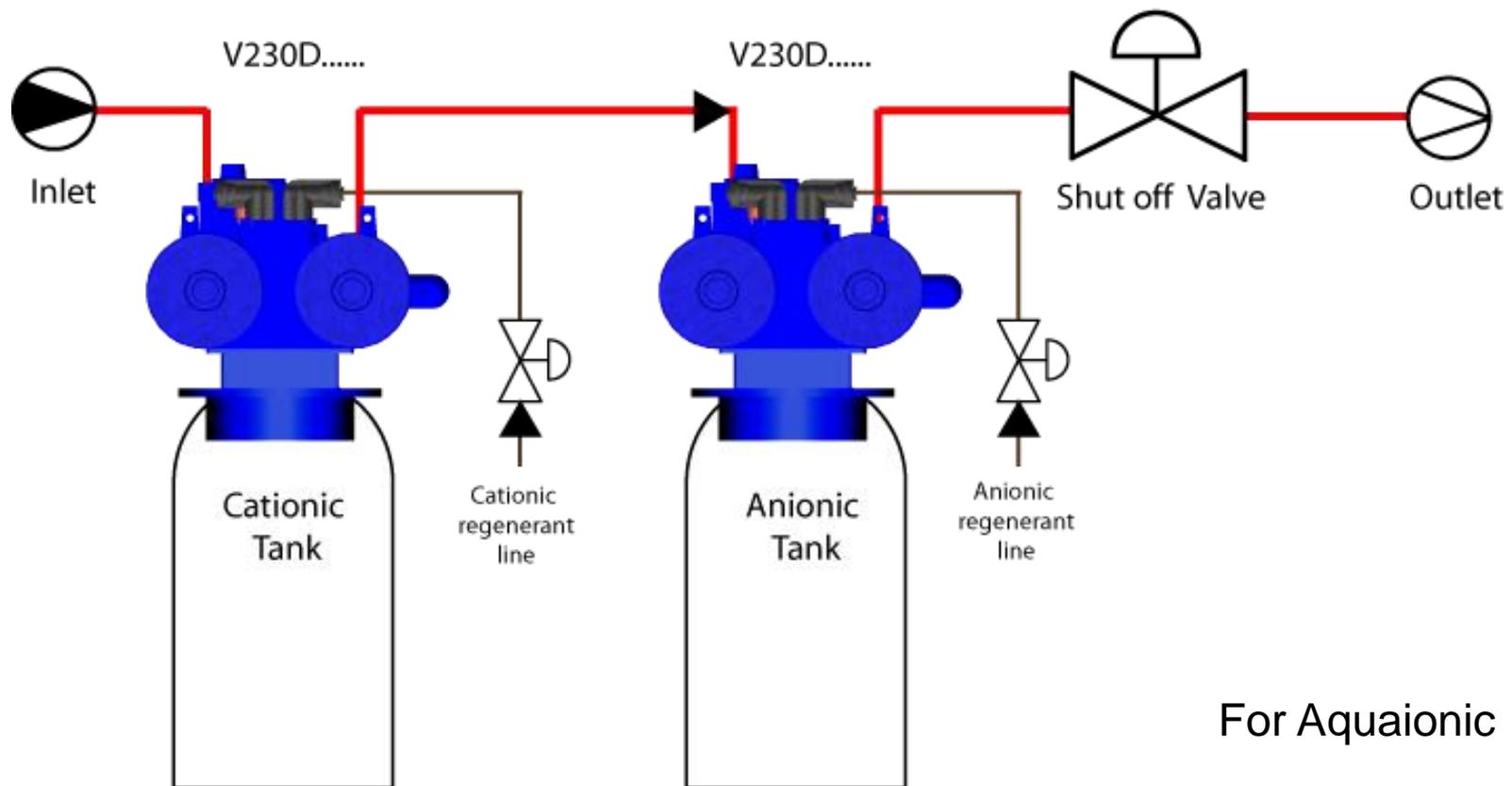
# Typical schemes of systems

- The following pages show the most common and basics systems we can control with our basic configuration for Timers.
- Upon request we can customized the system followings the customer specifications

# Typical schemes of systems

## 8 stops and Siata Valves Top Mounted

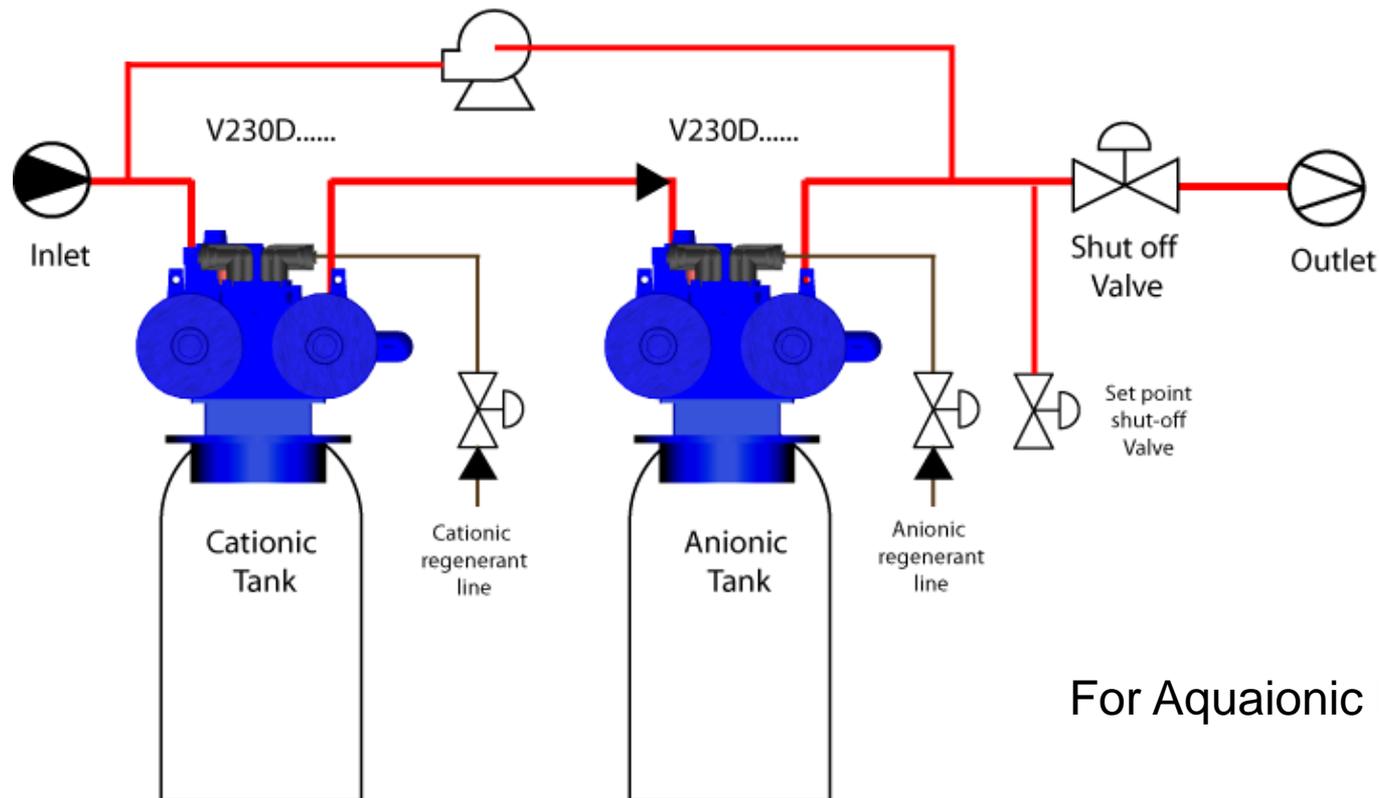
- Typical 7 pilots controller for DI unit with V230D



# Typical schemes of systems

## 8 stops and Siata Valves Top Mounted

- Typical 6 pilots controller for DI unit with V230D and recirculation pump/set point.

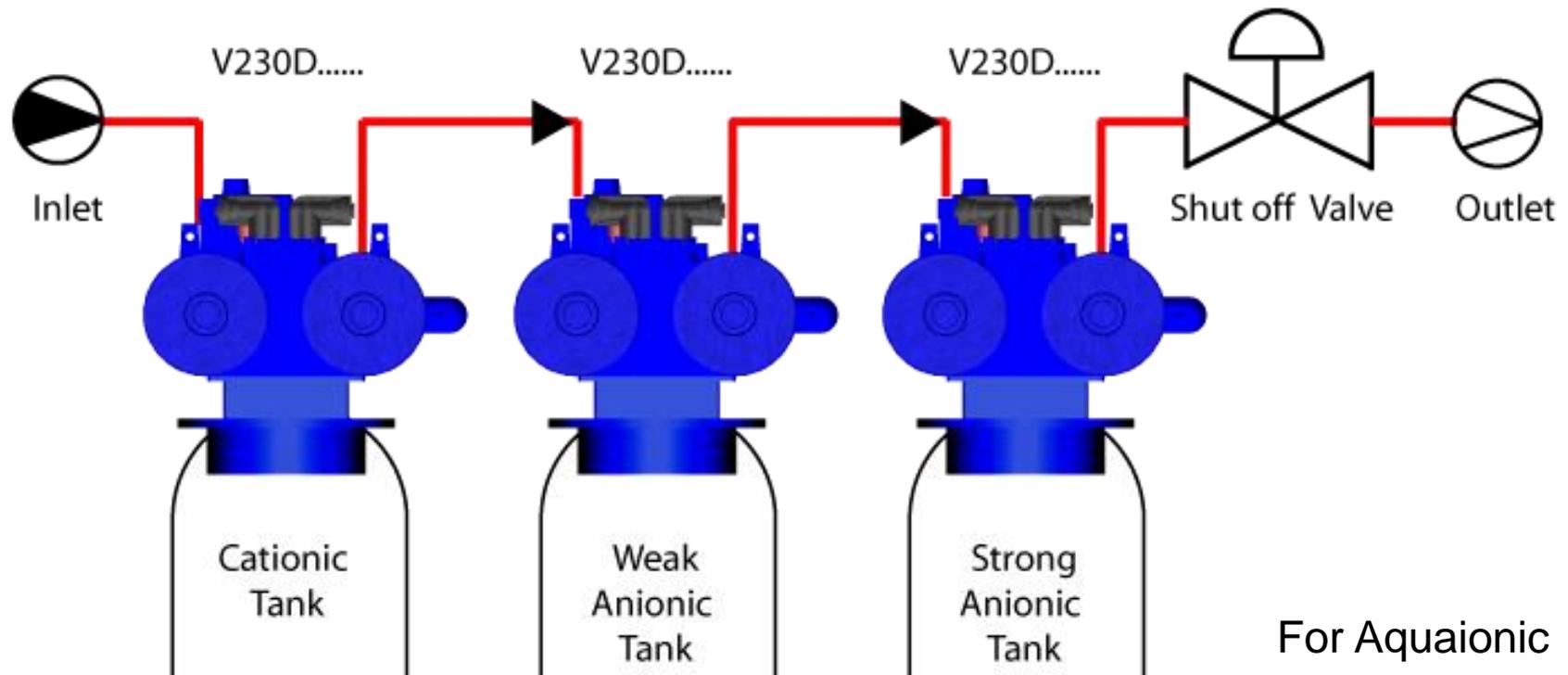


For Aquaionic Plus only

# Typical schemes of systems

## 9 stops and Siata Valves Top Mounted

- Typical 7 pilots controller for DI unit with V230D

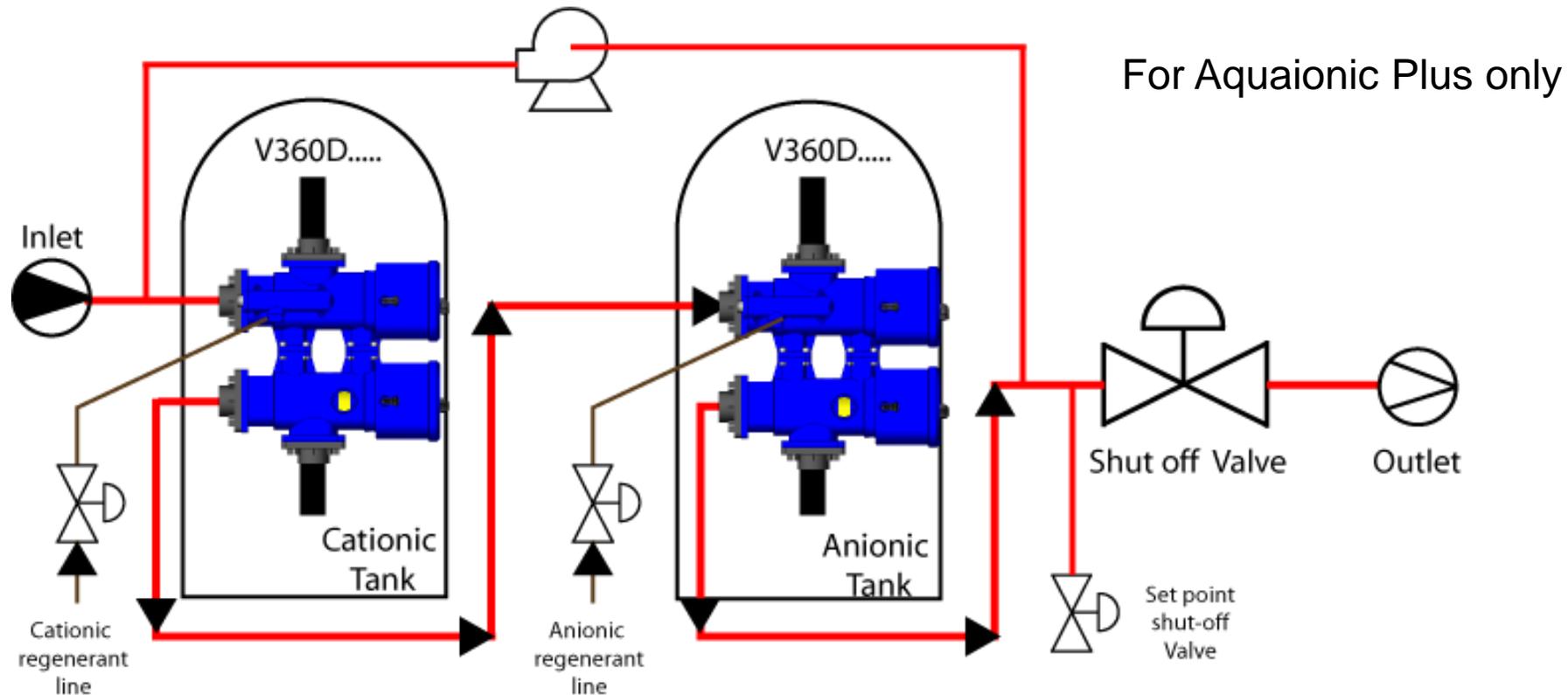


For Aquaionic

# Typical schemes of systems

## 8 stops and Siata Valves Side Mounted

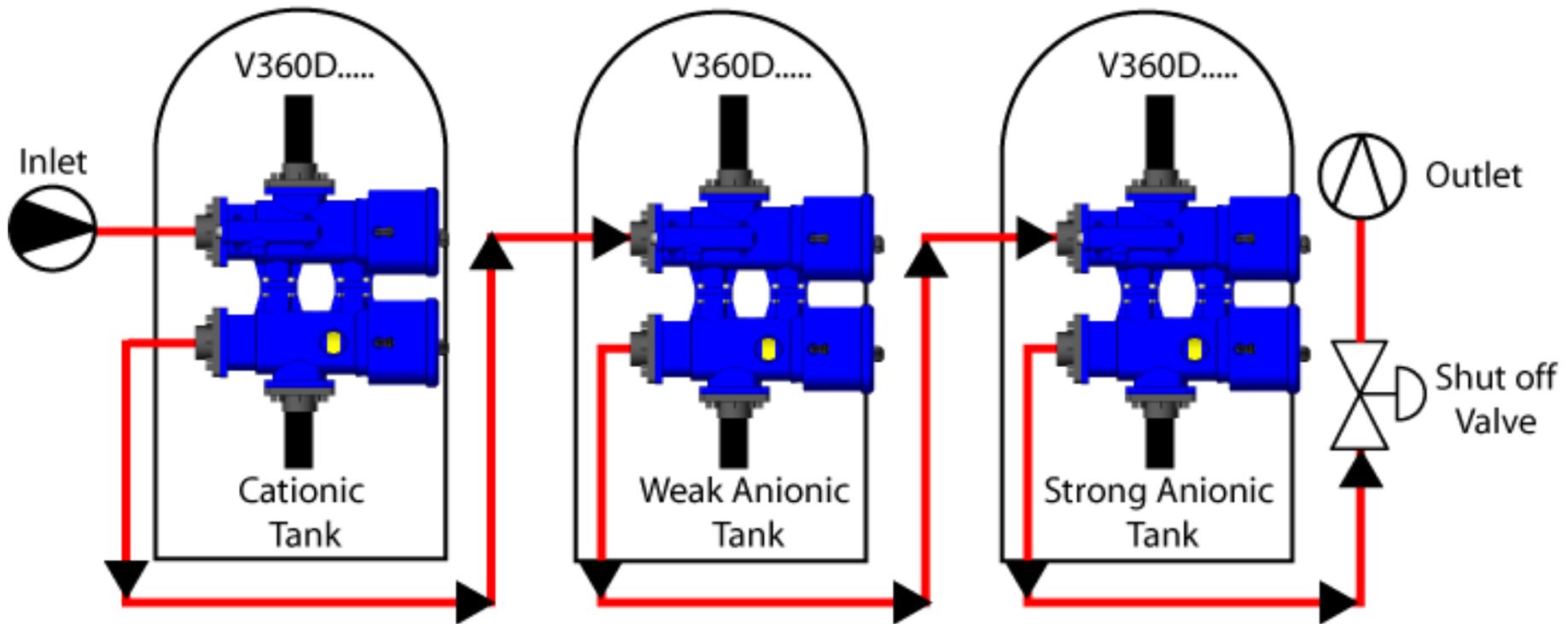
- Typical 6 pilots controller for DI unit with V360D and recirculation pump/set point.



# Typical schemes of systems

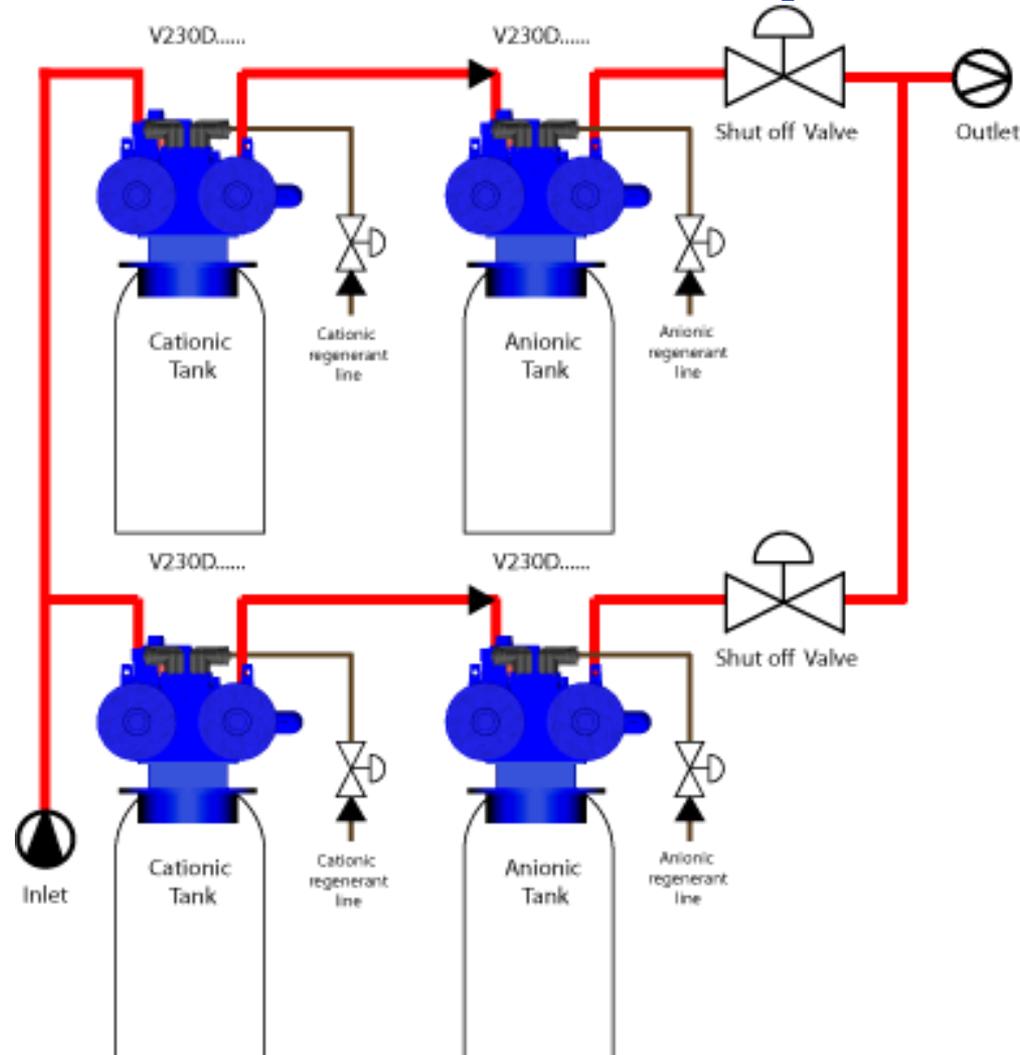
## 9 stops and Siata Valves Side Mounted

- Typical 7 pilots controller for DI unit with V360D



# Typical schemes of Duplex systems

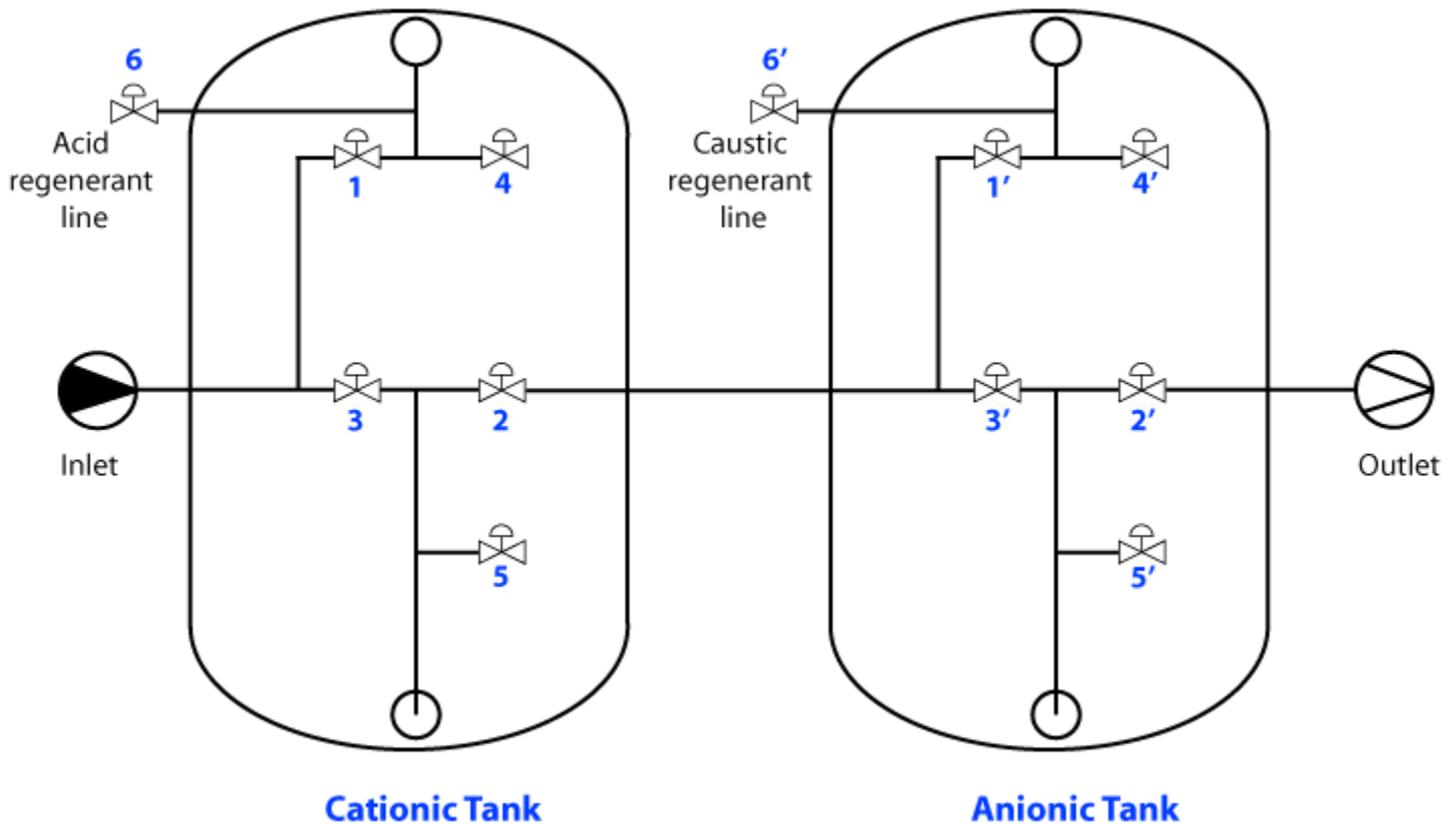
## 8+8 stops and Siata Valves Top Mounted



# Typical schemes of systems

## 8 stops and Single Valves

- Typical controller for DI unit with Single Valves



**Thank you for your attention**