



EQUIPMENT FOR WATER TREATMENT SYSTEMS

# OS3020

## Controller for Reverse Osmose



### ■ Description

The unit type OS3020 is universal applicable for automatic monitoring and control of reverse osmosis plants.

There are four possible stages : "Stand by", "Production", "Rinse after production", "Rinse during standby".

This unit can monitor conductivity and several inputs e.g. level switches, low pressure switch, etc..

Adaptable to user specific requirements by built-in programmable options. The programmed configuration will be stored into non volatile memory and therefore not be affected by power loss.

### ■ Features

#### User Interface

- Monochrome LCD display (16x2 characters)
- Control through three internal keys
- Language : English, French, German, Dutch, Spanish, Italian, Russian, Swedish and Czech

#### Inputs

- 3x Input for potential free switch
- 1x Conductivity meter

#### Conductivity meter

- Automatic range switching
- Cell constants from 0,01 - 10,00 cm<sup>-1</sup>
- Range from 0,5 - 100.000  $\mu$ S/cm depending on used cell
- Manual temperature compensation
- Capacitive cell

#### Outputs

- 3x Relay output (powered)

#### Memory

- Programming will be stored and not be affected by power loss.

#### Enclosure

- Suitable for wall mounting, IP65

#### Power supply

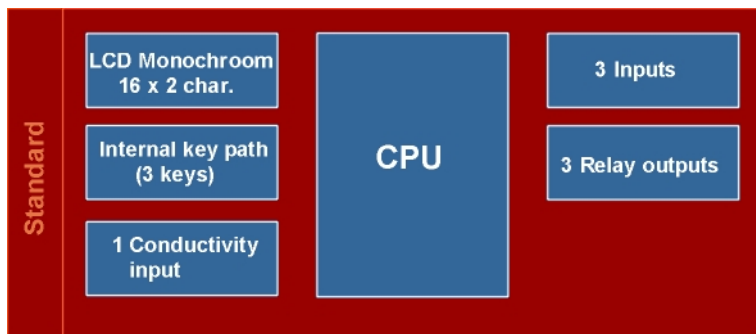
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 12 VDC input / 12 VDC output
- 24 VDC input / 24 VDC output



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## ■ Block diagram



## ■ Function Table

The relay outputs and digital inputs are related to the following functions :

Relay Outputs		Digital Inputs	
Inlet valve		Stop	
High pressure pump		High level switch	
Concentrate valve		Low level switch	
Alarm		Exceeded water pressure	
		Low water pressure	

## ■ Ordering Information

OS3020 + power supply

### Power supply :

24V	24 VAC / 24 VAC
115V	115 VAC / 115 VAC
230V	230 VAC / 230 VAC
12VDC	12 VDC / 12 VDC
24VDC	24 VDC / 24 VDC