

XSCF3-A7Y-3P1S SYSTEM

MANUFACTURED IN AUSTRALIA TO SUIT THE HARSHTEST CONDITIONS. THE SERIES IS DESIGNED TO ACCURATELY DELIVER TREATMENT PROGRAMS TO MEET & EXCEED THE AUSTRALIAN STANDARDS, INCLUDING FEATURES TO ASSIST IN OPTIMIZING PERFORMANCE AND OUTCOMES AT SITE.

- **MICROPROCESSOR CONTROL OF:**
- CONDUCTIVITY, TEMPERATURE COMPENSATED
- INHIBITOR FEED PUMP
- BIOCIDES FEED PUMPS
- CHEMICAL FEED PUMP
- DATA STORAGE IN CSV
- HISTORY REPORTING ON SCREEN
- HIGH LEVEL INTERFACE
- 4-20mA INPUTS & OUTPUTS
- USB HISTORY DOWNLOAD
- MULTI LEVEL SECURITY

KEY FEATURES INCLUDE

- Customizable LCD Display
- Simple ATM style Menu
- Selectable calibration
- Internet communication option
- High Quality PVC manifold components
- Five Multi Programmable timers
- Two Water Meter inputs (Make Up - Bleed)
- Four optional Water meter inputs
- Bleed failed alarm (Start or Stop)
- Relay test, Status, History & Force on timers
- Upgradeable firmware, configuration save file
- Motorized Bleed valve, power open spring closed
- Peristaltic Pumps, high quality squeeze tubing
- Five digital inputs
- Multi relay interlocking

XSCF3-A7Y-3P1S SPECIFICATIONS

ELECTRICAL

- Electrical Input: 95-240 VAC
- 1 x Bleed Valve 15mm - 240 VAC 100mA
- 2 x 2 LPH dose pumps - 240 VAC > 100mA each
- 1 x 1 LPH dose pump - 240 VAC > 100mA
- 1 x assignable dry contact or power relay 240VAC 2.5AMP Note: Jumper to configure as Dry Contact

OPERATIONAL

- Conductivity Control: uS/cm, ms/Cm, PPM scales with a range to 15,000 using the E-4A sensor
- Temperature reading and compensation E-4A
- Accuracy: +/- 1%
- Feed Timers (5) Selectable from:
 - 28 Day with Pre Bleed & Bleed Lockout
 - Recycle with ON-OFF timer (HH:MM:SS)
 - Percent of a time period
 - Post with 1-100% of post bleed or other time selectable + limit timer.
 - Pulse input uses water meter readings to dose proportionally and with accumulator.
- Water Meter Inputs 2 standard pulse or contact type
- Water meter- four aux flow meter inputs (optional)
- Five digital inputs, low level, external stop, alarm-able

MANIFOLD/BACKBOARD

- Schedule 80 20mm PVC manifold with serviceable isolation valves & non Return valve & sample point
- 600mm x 460mm x 15mm PVC backboard



XS CONTROLLER SPECIFICATIONS

ELECTRICAL

- Electrical Input: 95-240 VAC
- Control output: to input voltage (95-240 VAC)
- Control relays (5) fused at 2.5A per relay

OPERATIONAL

- Display: UV protected 240 x 128 Graphic LCD
- Conductivity Control: uS/cm, mS/Cm, PPM scales with ranges up to 50,000 depending on the sensor selection.
- Accuracy: +/- 1%
- Feed Timers (5) Selectable from:
 - 28 Day with Pre Bleed & Bleed Lockout
 - Recycle with ON-OFF timer (HH:MM:SS)
 - Percent of a time period
 - Post with 1-100% of post bleed or other time selectable + limit timer.
 - Pulse input uses water meter readings to dose proportionally and with accumulator.
- Environment: -17 - 52 Celsius, Humidity: 0-100%

ENCLOSURE

- Heavy duty high impact abs (Nema 4X)
- Lockable Casketed Lexan Viewing door

XS MP2-B PUMP SPECIFICATIONS

ELECTRICAL

- Electrical Input: 240 VAC
- 100mA operating draw
- Each powered by XS control relay

OPERATIONAL

- Peristaltic fixed flow in 1 liter & 2 liter per hour
- Maximum head pressure 3 bar

HARDWARE

- Reinforced PP casing
- IP65 Protection rating
- Polycarbonate clear view cover panel
- Clip mounted to backboard for ease of service
- Squeeze tube Santoprene thick wall 3 bar
- PVDF injection valve
- PVDF drum weight
- Suction tube 2m clear PVC
- Discharge tube 2m PE

XS MOTORIZED VALVE SPECIFICATIONS

ELECTRICAL

- Electrical Input: 240 VAC
- Less than 500mA operating current
- Power open Spring/Capacitor close
- Powered by XS control relay

OPERATIONAL

- Maximum pressure 10 Bar
- Open/Close Time less than 5 seconds
- Actuator rotation - 90 degrees
- Operating Temperature -15 - 50 Degree Celsius
- Liquid temperature 2 - 90 degree Celsius

HARDWARE

- Reinforced PP Electronic casing
- IP67 Protection rating
- Polycarbonate clear view direction indicator
- Valve body is 304 Stainless Steel
- Seals are PTFE
- Size of valve is DN15

PACKAGE UPGRADE OPTIONS

COMMUNICATIONS:

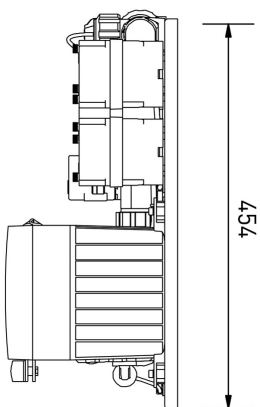
- ADD-N4 - fit 4-20mA analogue input card
- ADD-O4 - fit 4-20mA analogue output card
- ADD-H11-XS - fit MODBUS TCP/IP card
- ADD-H21-XS - fit BACnet TCP/IP card
- ADD-CVT - fit a Ethernet to serial converter
- ADD-H1-XS - fit local Ethernet communication card
- ADD-H1C-xs - fit ADD-H1-XS with 3G-4G router

INSTALLATION:

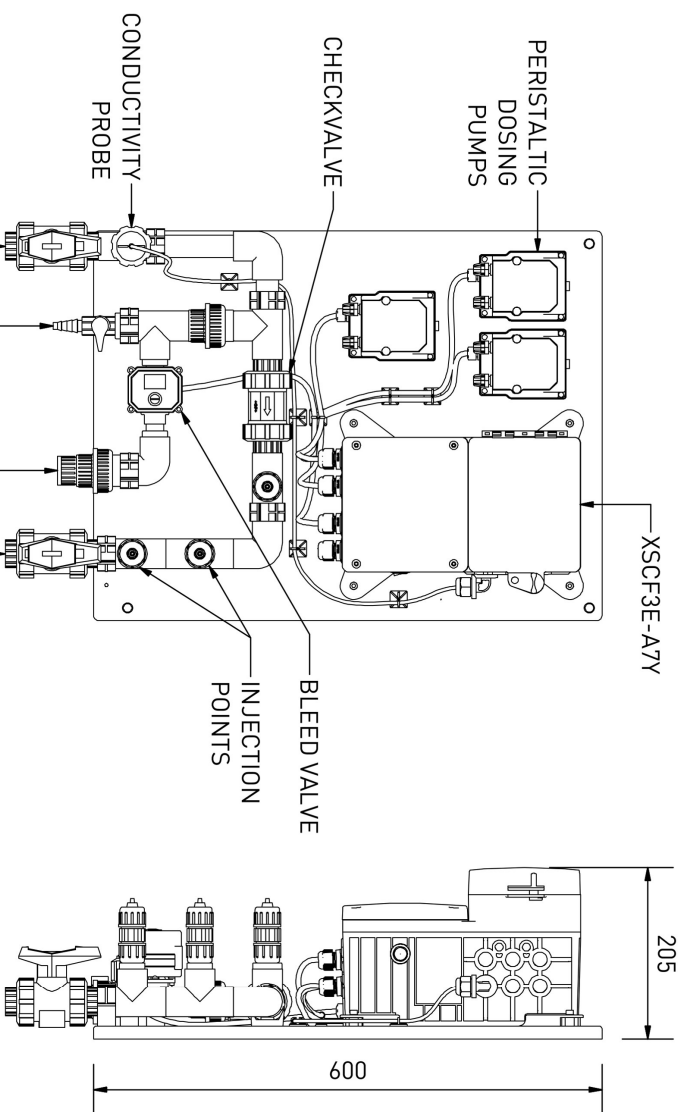
- ADD-ENCLOSURE - fit the above controller and pumps into a 600mm x 400mm x 250mm lockable polycarbonate enclosure with manifold mounted separately on 15mm PVC backing board.
- ADD-ENCLOSURE-FULL - fit the above controller, pumps & manifold into a 800mm x 600mm x 300mm powder coated lockable enclosure
- CIRCUMPUMP-1HP - select a circulation pump to boost or supply flow to controller manifold
- SKID-X1 - Fit equipment to self stand on a 304 stainless steel skid (suitable for normal doorway entry)

DISTRIBUTED BY:

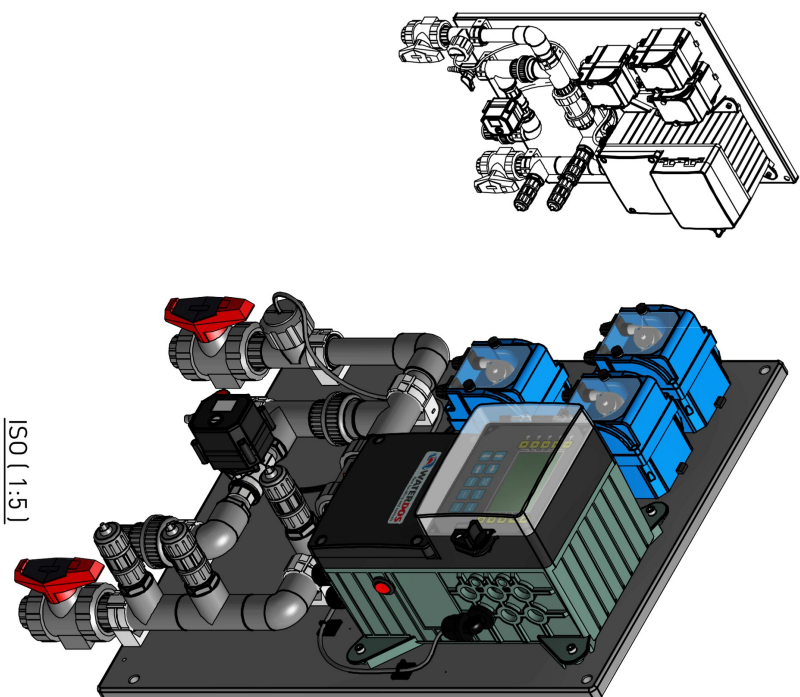




TOP [1:6]



XSCF3E-A7Y



ISO [1:5]

MATERIAL	CC	DATE	21/02/2018
FINISH	CHECKED	DATE	
DRAWING NO.	APPROVED	DATE	
46-805712	DESIGN	DATE	
PROJECT NO.	STATUS		
	WEIGHT		
	N/A		
TOLERANCES			
DIM (mm)	ISO 2768-c	DIM (mm)	ISO 2768-c



fluid handling and controls

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XSCF3-A7Y-3PIS

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