

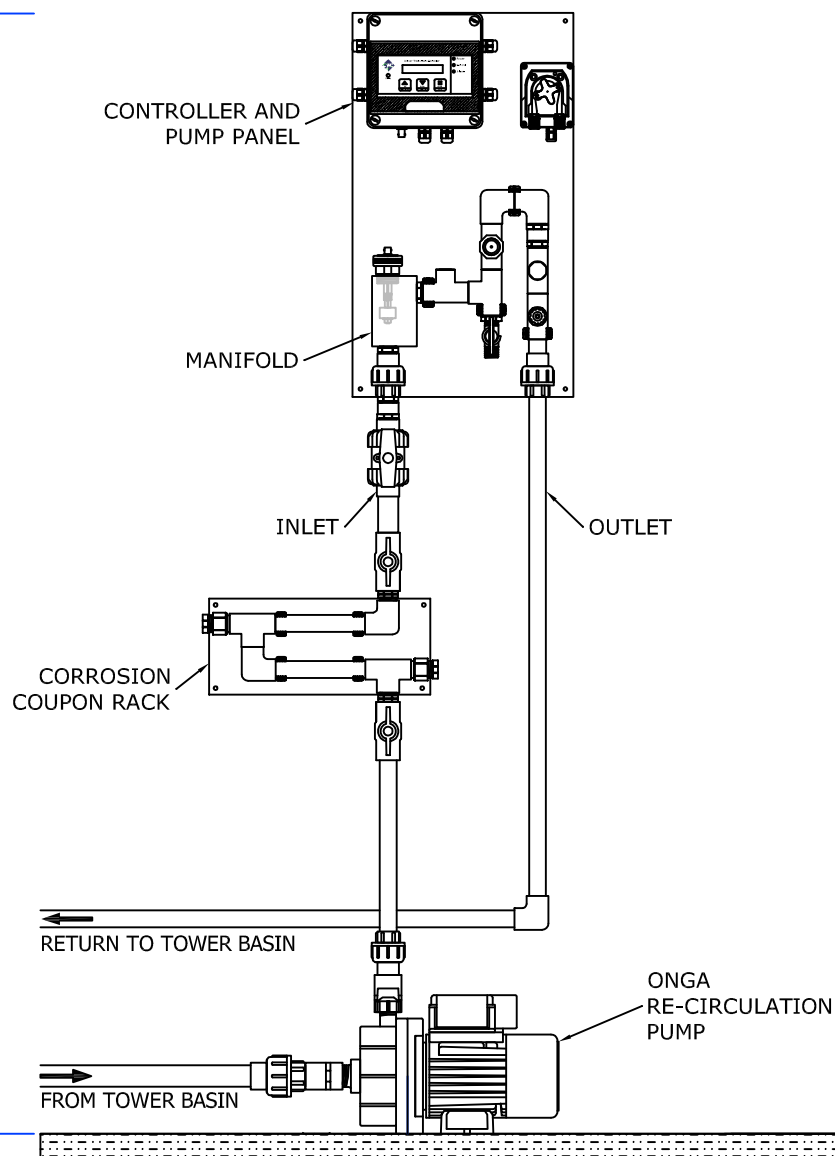
Installation Instructions for Cooling Tower Dosing with:

- *Liquid Chlorine Dosing via ORP*
- *Brominator Dosing via ORP*
- *pH Control*




Part Number	Installation Drawing No		Systems with ORP or pH XP2 Series Controllers		
			ORP Control		pH Control
	<i>With Onga Recirc pump</i>	<i>Take-off from Condenser Pump</i>	Chlorine Dosing	<i>Brominator Dosing</i>	<i>Acid or Base Dosing</i>
DCON-RX2-P	I1 & I2	J1 & J2	•		
DCON-RX2-P-CABG	I1 & I2	J1 & J2	•		
DCON-RX2-B	K1 & K2	L1 & L2		•	
DCON-RX2-B-CABG	K1 & K2	L1 & L2		•	
DCON-PH2-P	I1 & I2	J1 & J2			•
DCON-PH2-P-CABG	I1 & I2	J1 & J2			•

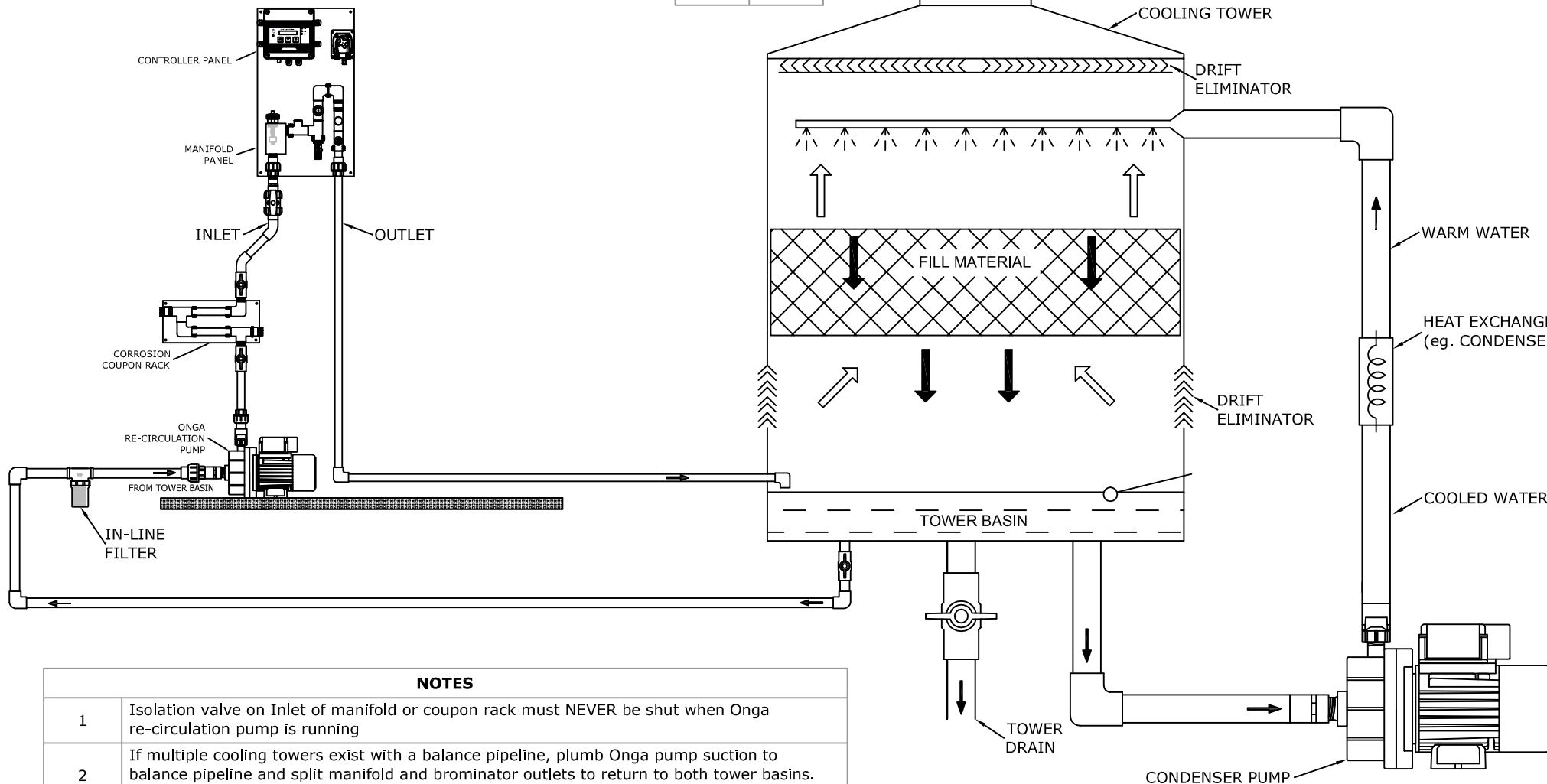
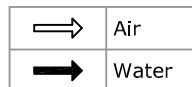
← 1750mm Recommended mounting height from ground →



NOTES	
1	Isolation valve on Inlet of manifold or coupon rack must NEVER be shut when Onga re-circulation pump is running
2	It is recommended that the Controller display is mounted at eye level
3	Installation shown with plumbing in 20mm PVC pipe. Alternatively 12mm ID hose can be used
4	Plumbing between tower basin and Onga pump suction must not be smaller than 25mm PVC (In-line filter, if fitted must be 1" or larger and requires regular cleaning to prevent blockage)
5	Dosing system also available with controller and pump in weatherproof cabinet with hinged door
6	Use sufficient thread sealing tape on all threaded connections to prevent leaks
7	System depicted in drawing is DCON-RX2-P.

 Convergent Water Controls							Filename S:\Data Files\Service & Installation\Installation Diagrams\DCON-RX2-P	Drawn By LF	Date 13/07/12	Title INSTALLATION DIAGRAM FOR DCON-RX2-P, DCON-RX2-P-CABG, DCON-PH2-P, DCON-PH2-P-CABG WITH OPTIONAL ONGA RE-CIRCULATION PUMP AND COUPON RACK		
								Checked By LN	Date 13/07/12	Project / Part Number DCON-RX2-P		Ver 1.0
	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF CONVERGENT WATER CONTROLS PTY LTD ABN 98 082 819 734. IT IS SUBJECT TO THEIR RECALL AND MAY NOT BE REPRODUCED OR ITS CONTENTS DIVULGED WITHOUT WRITTEN AUTHORITY.							Scale N/A		Client CONVERGENT WATER CONTROLS		Drawing No DRAWING NO
	1.0	13/07/12	ORIGINAL					DIMENSIONS ARE IN MM DO NOT SCALE				
	Ver	Date	Notes			By	Check					

I2



NOTES

- 1 Isolation valve on Inlet of manifold or coupon rack must NEVER be shut when Onga re-circulation pump is running
- 2 If multiple cooling towers exist with a balance pipeline, plumb Onga pump suction to balance pipeline and split manifold and brominator outlets to return to both tower basins. To achieve good chemical mixing, return manifold flow to multiple points per tower basin
- 3 Refer to detailed installation diagram for full installation instructions for DCON-RX2-P, DCON-RX2-P-CAB, DCON-PH2-P, DCON-PH2-P-CAB



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1.0	12/07/12	ORIGINAL		LF	LN
Ver	Date	Notes	By	Check	

Filename
S:\Data Files\Service & Installation\Installation
Diagrams\DCON-RX2-P

Drawn By
LF
Date
12/07/12

Checked By
LN
Date
12/07/12

Scale
N/A

DIMENSIONS ARE IN MM
DO NOT SCALE

Title
GENERIC DIAGRAM OF pH OR LIQUID CHLORINE (BROMINE) ORP DOSING SYSTEM PLUMBED TO COOLING TOWER WITH ONGA RE-CIRCULATION PUMP

Project / Part Number
DCON-RX2-P

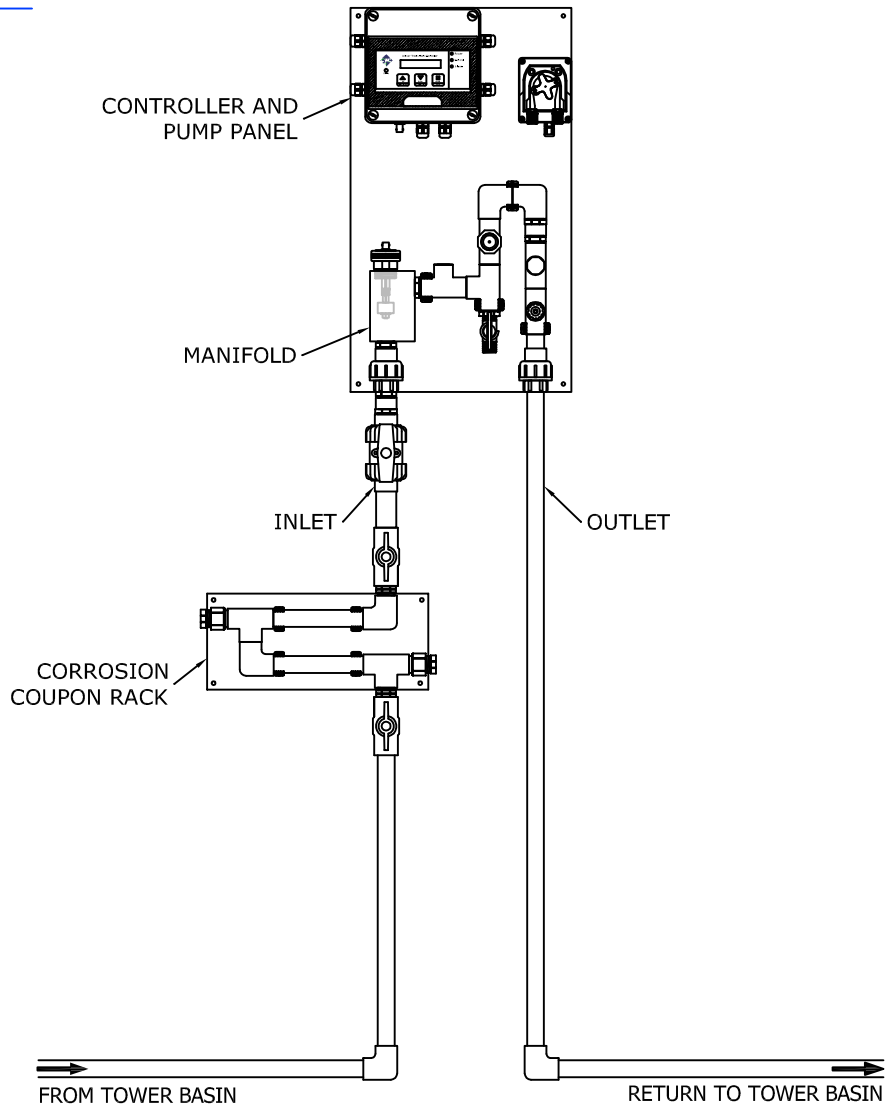
Client
CONVERGENT WATER CONTROLS

Drawing No
DRAWING NO

Ver
1.0

J1

1750mm Recommended mounting height from ground



NOTES

NOTES	
1	It is recommended that the Controller display is mounted at eye level
2	Installation shown with plumbing in 20mm PVC pipe. Alternatively 12mm ID hose can be used
3	Plumbing between tower basin and Onga pump suction must not be smaller than 25mm PVC (In-line filter, if fitted must be 1" or larger and requires regular cleaning to prevent blockage)
4	Dosing system also available with controller and pump in weatherproof cabinet with hinged door
5	Use sufficient thread sealing tape on all threaded connections to prevent leaks
6	System depicted in drawing is DCON-RX2-P.



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1.0	13/07/12	ORIGINAL		LF	LN
Ver	Date	Notes	By	Check	

Filename
S:\Data Files\Service & Installation\Installation
Diagrams\DCON-RX2-P

Drawn By
LF

Date
13/07/12

Checked By
LN

Date
13/07/12

Scale
N/A

DIMENSIONS ARE IN MM
DO NOT SCALE

Title
INSTALLATION DIAGRAM FOR DCON-RX2-P, DCON-RX2-P-CABG, DCON-PH2-P, DCON-PH2-P-CABG WITH COUPON RACK (CONDENSER PUMP)

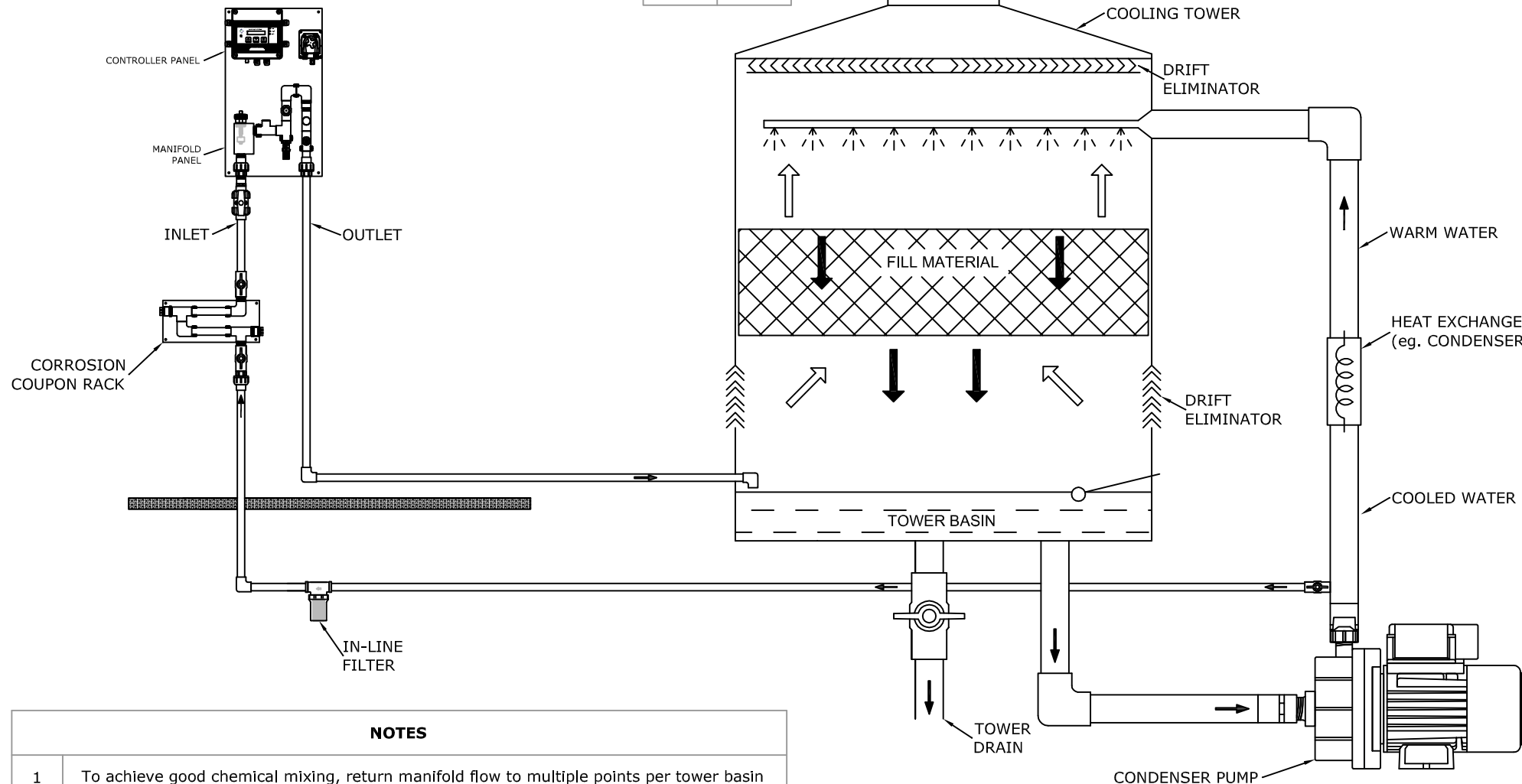
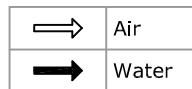
Project / Part Number
DCON-RX2-P

Client
CONVERGENT WATER CONTROLS

Drawing No
DRAWING NO

Ver
1.0

J2



NOTES

- 1 To achieve good chemical mixing, return manifold flow to multiple points per tower basin
- 2 Refer to detailed installation diagram for full installation instructions for DCON-RX2-P, DCON-RX2-P-CAB, DCON-PH2-P, DCON-PH2-P-CAB



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Ver	Date	Notes	By	Check
1.0	12/07/12	ORIGINAL	LF	LN

Filename
S:\Data Files\Service & Installation\Installation
Diagrams\DCON-RX2-P

Drawn By
LF

Date
12/07/12

Checked By
LN

Date
12/07/12

Scale
N/A

DIMENSIONS ARE IN MM
DO NOT SCALE

Title
GENERIC DIAGRAM OF pH OR LIQUID CHLORINE (BROMINE) ORP DOSING SYSTEM PLUMBED TO COOLING TOWER FROM CONDENSER PUMP DISCHARGE

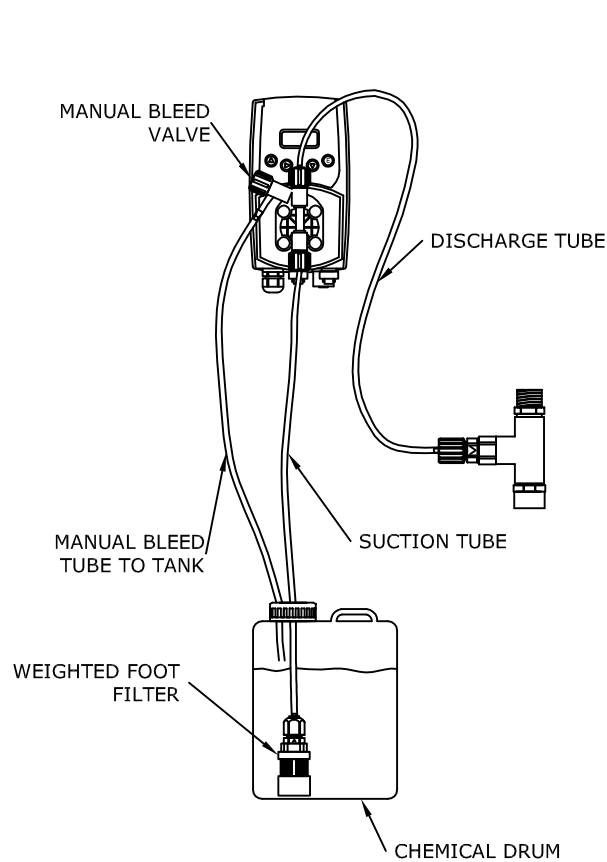
Project / Part Number
DCON-RX2-P

Ver
1.0

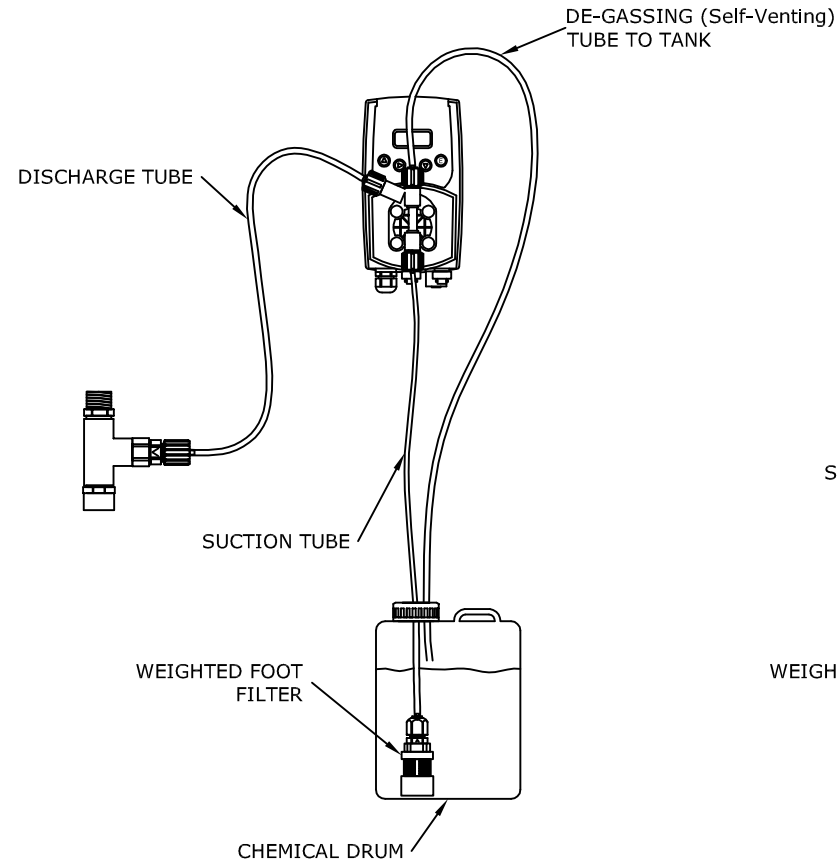
Client
CONVERGENT WATER CONTROLS

Drawing No
DRAWING NO

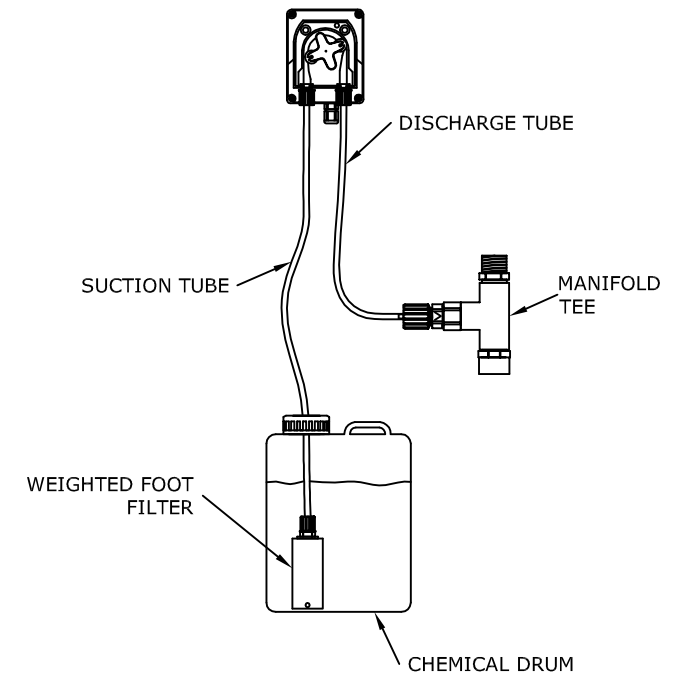
EMEC V SERIES PUMP



EMEC VA SERIES PUMP



SEKO PERISTALTIC PUMP



Notes

- 1 All tubing supplied with pumps has 4mm inside diameter, 6mm outside diameter. Suction tubing is clear PVC, Discharge tubing is black PE
- 2 It is recommended that pumps are mounted less than 2m from base of chemical drum



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1.0	17/02/12	ORIGINAL		LF	LN
Ver	Date	Notes	By	Check	

Filename
S:\Data Files\Service & Installation\Installation Diagrams\EMEC & SEKO Dosing Pump Installation

Drawn By
LF

Date
17/02/12

Checked By
LN

Date
17/02/12

Scale
N/A

DIMENSIONS ARE IN MM
DO NOT SCALE

Title
Pump Installation Diagram

Project / Part Number
EMEC V SERIES & SEKO PUMPS

Client
CONVERGENT WATER CONTROLS

Drawing No
DRAWING NO

Ver
1.0