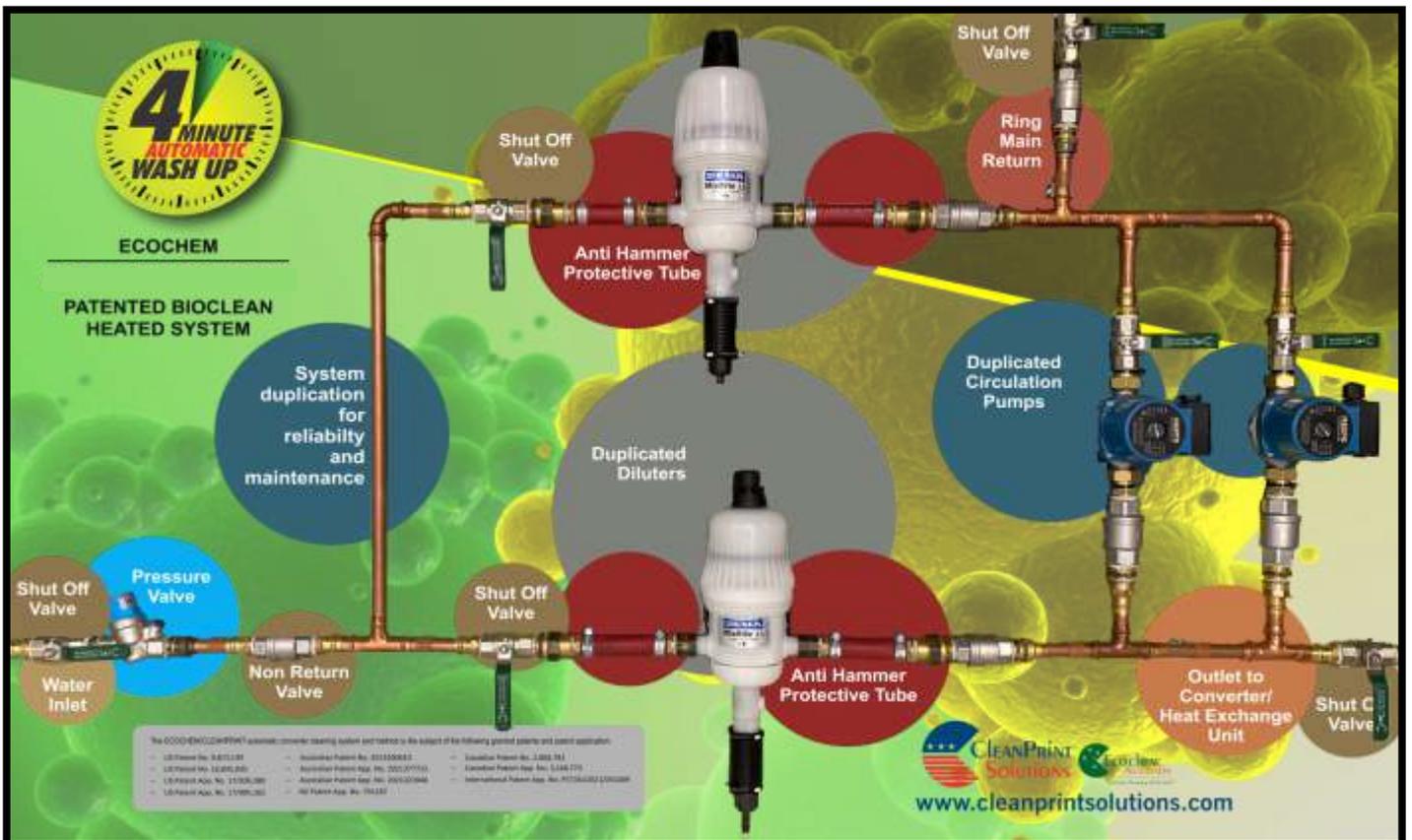


# Evolution BioClean®

# Heated Dilution Wall

## Parts and Assembly



The Ecochem Heated Dilution Wall - Size 1900 x 1190mm

**BioClean gives you an extra 30+ minutes of production a day**

**The next step forward - our New Heated Dilution Wall**

Used exclusively with Ecochem's patented automatic cleaning system, EVOLUTION BIOCLEAN's new Heated and optimized Dilution Wall delivery technology improves installation, maintenance and reliability.

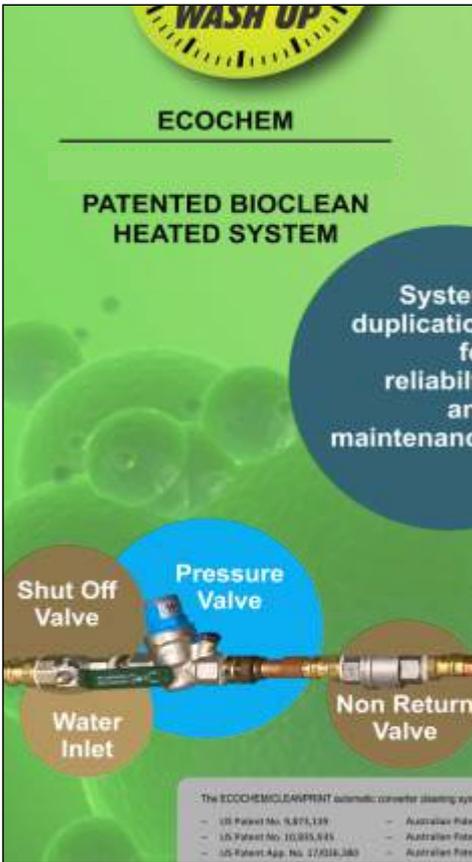
Our duplicated and redundant design features two dilution devices and two circulation pumps. One is redundant and regularly our service manager will service the wall, turning off the device in use and turning on the redundant device, service the device by stripping it down, replacing O rings and checking valves to deliver improved reliability and maximise your production output.

**Follow the illustrations to assemble the Heated Dilution Wall in your plant.**



EVOLUTION BIOCLEAN - YOUR ANILOX'S ARE ALWAYS CLEAN. A COMPLETE TOTALLY AUTOMATED SOLUTION FOR YOUR PLANT

Trademark owned by Ecochem P/L ©\*Reg. US Pat. & Tm. Off.



# Inlet Section

The Ecochem Heated Dilution Wall from Ecochem uses the same wall background as the Cold Dilution Wall, it allows the easy installation of our patented dilution system.

For assembly of dilution wall parts.

1. For brass threads use Teflon or Loctite pipe sealing cord.
2. For copper crimp tube, use a crimping tool.
3. Copper flare tool used for compression fittings.
4. This was assembled using Australian parts, lengths of copper may change due to the size of parts used.



Adjustable stand off bracket (64mm set out)



Clip head to suit 20mm copper



20mm male-bpress copper crimp (gas o-ring)

20mm female isolation ball valve

20mm Brass hex nipple

20mm 72.5 psi pressure limiting valve

20mm male-female brass barrel union

76 x 20mm copper pipe

20mm male-bpress copper crimp (gas o-ring)

20mm female stainless steel spring check valve

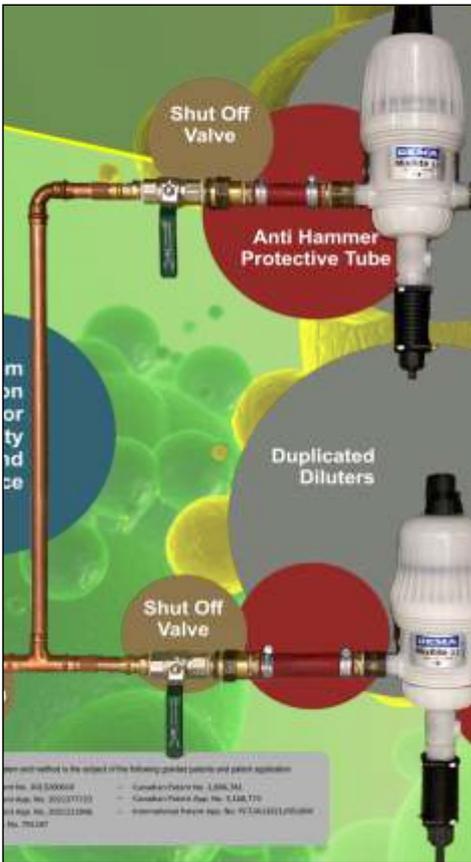
20mm male-bpress copper crimp (gas o-ring)

This was assembled using Australian parts, lengths of copper may change due to the size of parts used, we suggest you check your lengths needed when using different fittings from different manufacturers.

# Pre-Dilution Section

The Ecochem Heated Dilution Wall benefits from a duplicated design that begins in this stage.

20mm chemical resistant anti hammer hose cut to suit positioning of diluters.



Adjustable stand off bracket (64mm set out)



Clip head to suit 20mm copper



20mm brass crimp elbow (gas o-ring)

20mm male-brass copper crimp (gas o-ring)

20mm female isolation ball valve

20mm male-female brass barrel union

20mm brass male-barb union

20mm chemical resistant anti hammer hose and 25-35mm hose clamps



20mm brass crimp tee (gas o-ring)

Upper horizontal copper pipe 89 x 20mm



Lower horizontal copper pipe 50 x 20mm & 76 x 20mm

560 x 20mm copper pipe



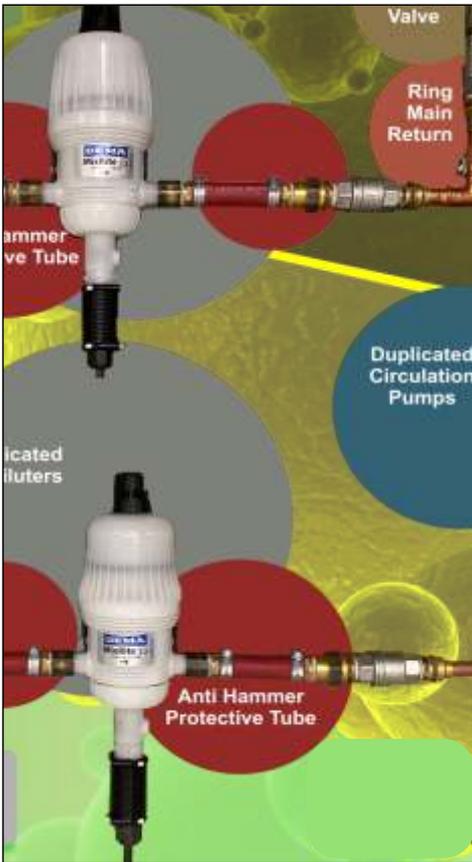
Diluter and 20mm brass sockets

This was assembled using Australian parts, lengths of copper may change due to the size of parts used.

# Post-Dilution Section

The Ecochem Heated Dilution Wall benefits from a duplicated design featuring anti-hammer hose for smooth operation.

20mm chemical resistant anti hammer hose cut to suit positioning of diluters.



Adjustable stand off bracket (64mm set out)



Clip head to suit 20mm copper

20mm chemical resistant anti hammer hose and 25-35mm hose clamps



20mm brass male-barb union

20mm male-female brass barrel union

20mm female Stainless steel spring check valve

20mm male-female brass barrel union



Diluter and 20mm brass sockets

# Outlet Section 1

The Ecochem Heated Dilution Wall requires the Duplicated Circulation Pumps and Ring Main Return mentioned here on the background graphics.

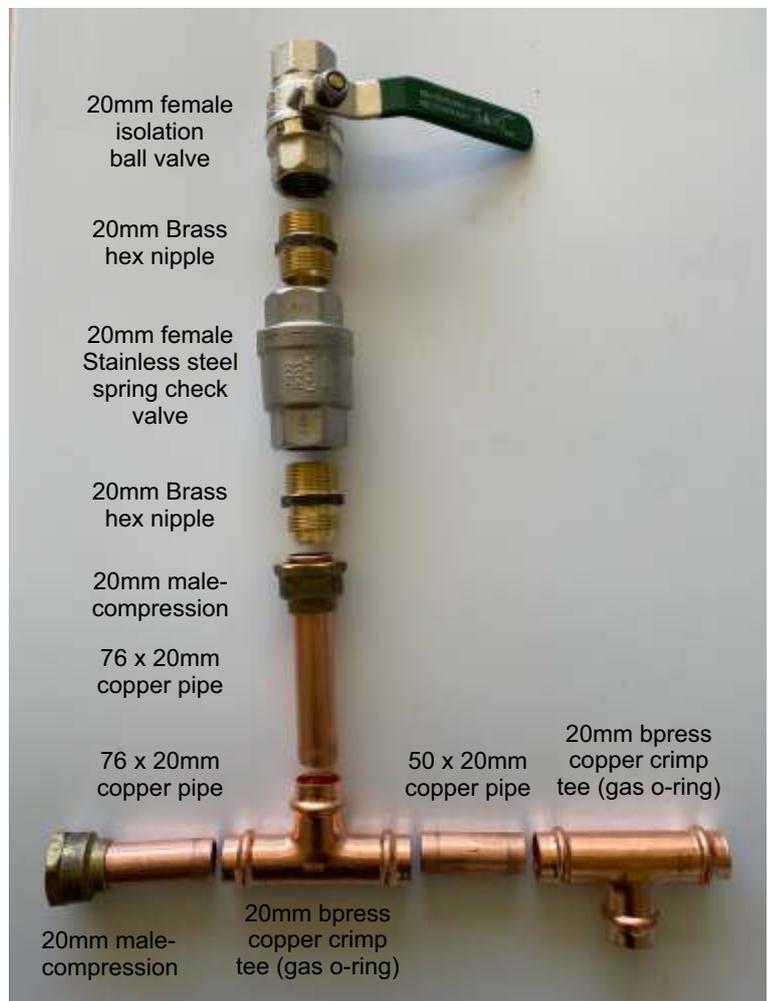


Adjustable stand off bracket (64mm set out)



Clip head to suit 20mm copper

Exploded view of ring main return section



# Outlet Section 2

The Ecochem Heated Dilution Wall requires the Duplicated Circulation Pumps and Ring Main Return mentioned here on the background graphics.



Adjustable stand off bracket (64mm set out)



Clip head to suit 20mm copper



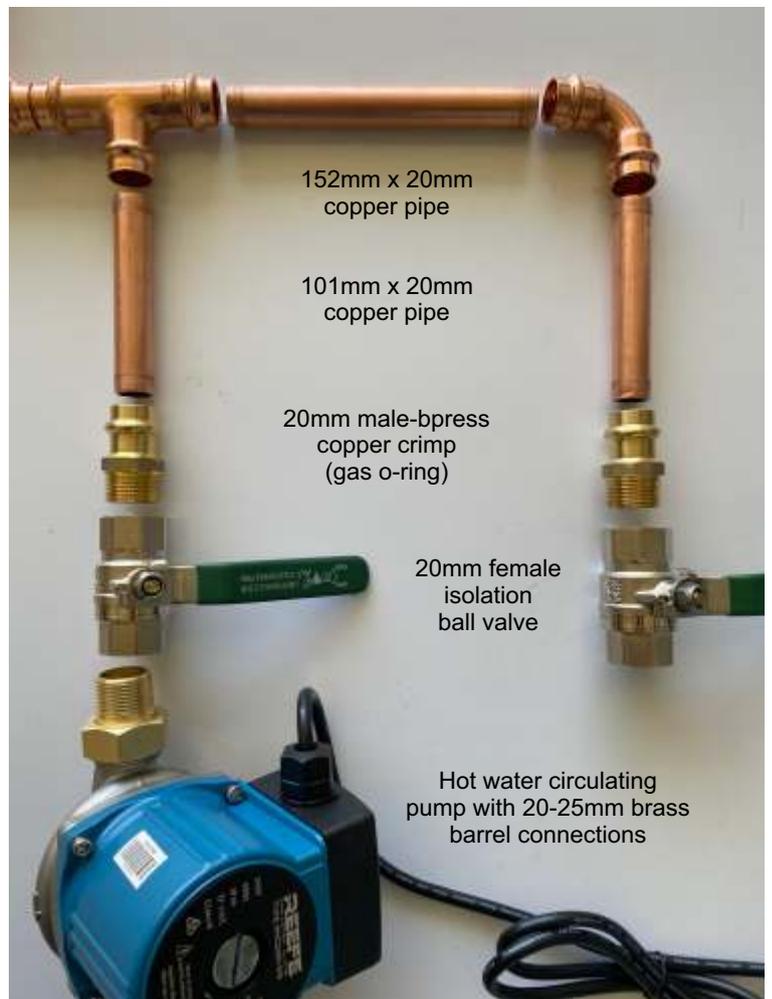
20mm brass copper crimp elbow (gas o-ring)

Exploded view of inlet to recirculating pumps with 2 x 100mm pieces of copper and 152mm piece.

20mm brass copper crimp tee (gas o-ring)



This was assembled using Australian parts, lengths of copper may change due to the size of parts used, we suggest you check your lengths needed when using different fittings from different manufacturers.



# Outlet Section 3

The Ecochem Heated Dilution Wall requires the Duplicated Circulation Pumps and Ring Main Return mentioned here on the background graphics.



Adjustable stand off bracket (64mm set out)

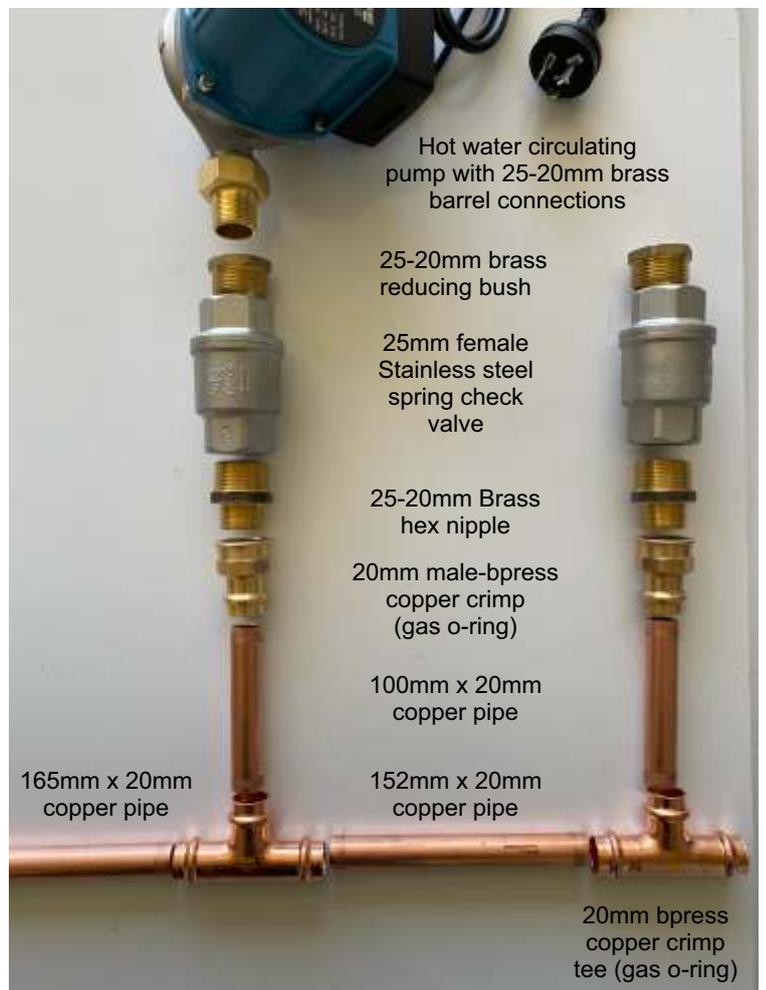


Clip head to suit 20mm copper

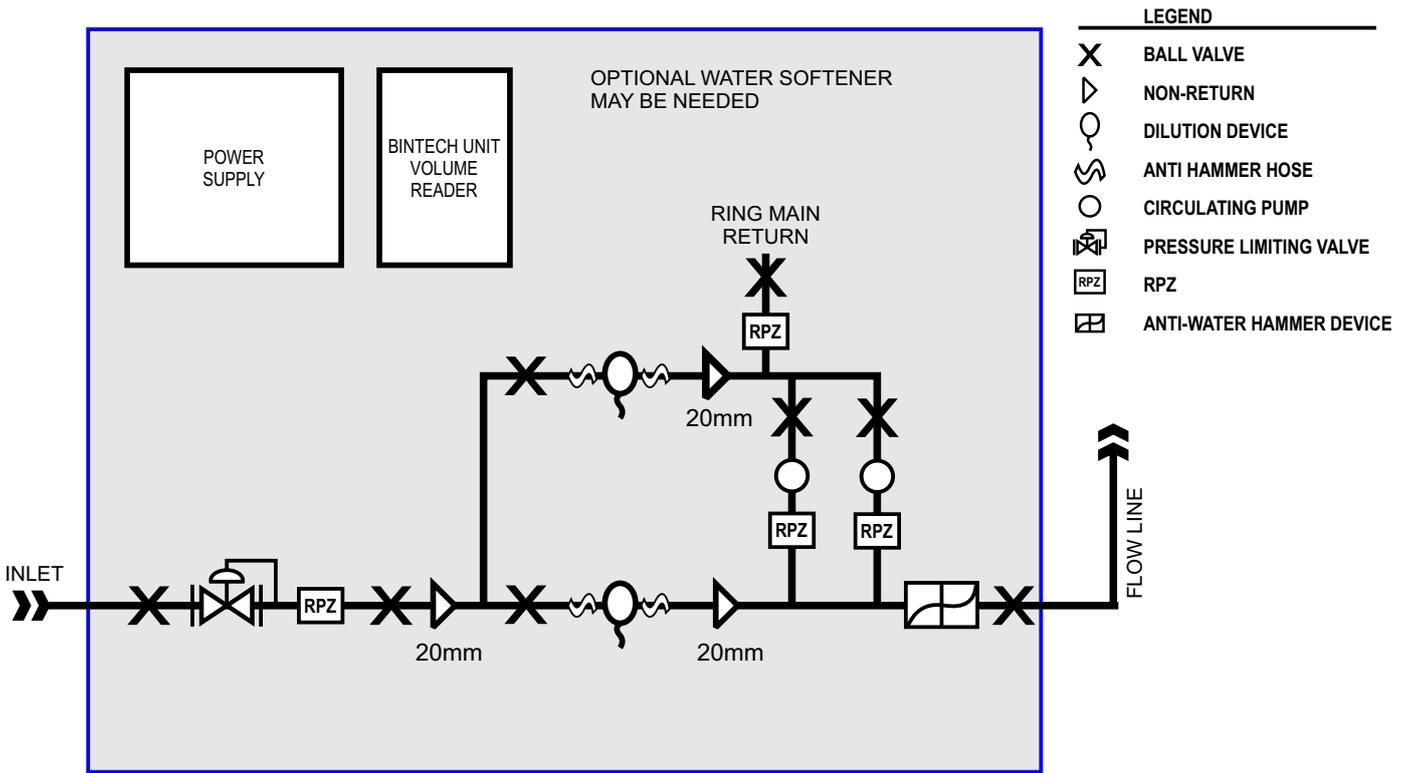
Exploded view of outlet from recirculating pumps with 2 x 100mm, 1 x 152mm and 1 x 165mm pieces of copper

This was assembled using Australian parts, lengths of copper may change due to the size of parts used, we suggest you check your lengths needed when using different fittings from different manufacturers.

20mm female isolation ball valve

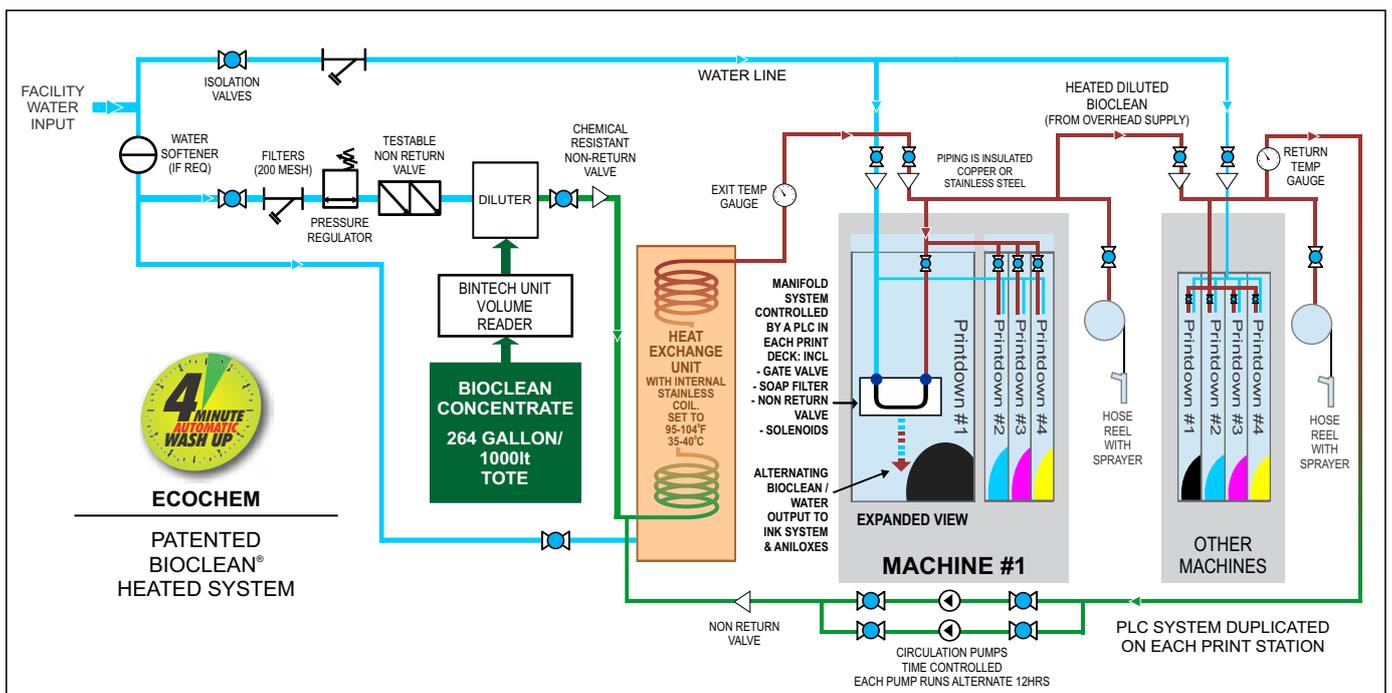


# Detail of the Evolution BioClean *HEATED* Dilution Wall



Heated Dilution Wall - Size 1900 X 1190mm

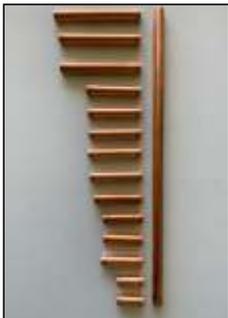
## System Diagram



# Parts List

	<u>ITEM NAME</u>	<u>QTY</u>		<u>ITEM NAME</u>	<u>QTY</u>
	Adjustable stand off bracket (64mm set out)	7		20mm female isolation ball valve	7
	Clip head to suit 20mm copper	7		20mm female Stainless steel spring check valve	4
	20mm bpress copper crimp elbow (gas o-ring)	2		20mm brass male-barb union	8
	20mm 72.5 psi pressure limiting valve	1		20mm brass socket	4
	25-35mm hose clamp	8		20mm male-compression	4
	20mm bpress copper crimp tee (gas o-ring)	5		20mm male-female brass barrel union	4
				20mm Brass hex nipple	2

# Parts List

ITEM NAME	QTY	ITEM NAME	QTY		
	20mm male-brass copper crimp (gas o-ring)	9		Hot water circulating pump with 25-35mm brass barrel connections	2
	20mm female-brass copper crimp (gas o-ring)	2		20mm chemical resistant anti hammer hose cut to suit positioning of diluters	4
	Diluter	2		25-35mm brass hex nipple	2
	25mm female Stainless steel spring check valve	2		25-35mm brass reducing bush	2
	20mm Copper cuts (mm)				
	560	1			
	50	2			
	76	3			
	89	1			
	101	5			
	152	2			
	165	1			

This was assembled using Australian parts, lengths of copper may change due to the size of parts used, we suggest you check your lengths needed when using different fittings from different manufacturers.

Contact us now for more information and a convincing on-site demonstration



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