

**VARICHILL** | 15  
ECO-REFRIGERATION TECHNOLOGIES

TURN  
ME OVER  
FOR A GRAPHICAL  
VIEW OF AN INSTALLATION

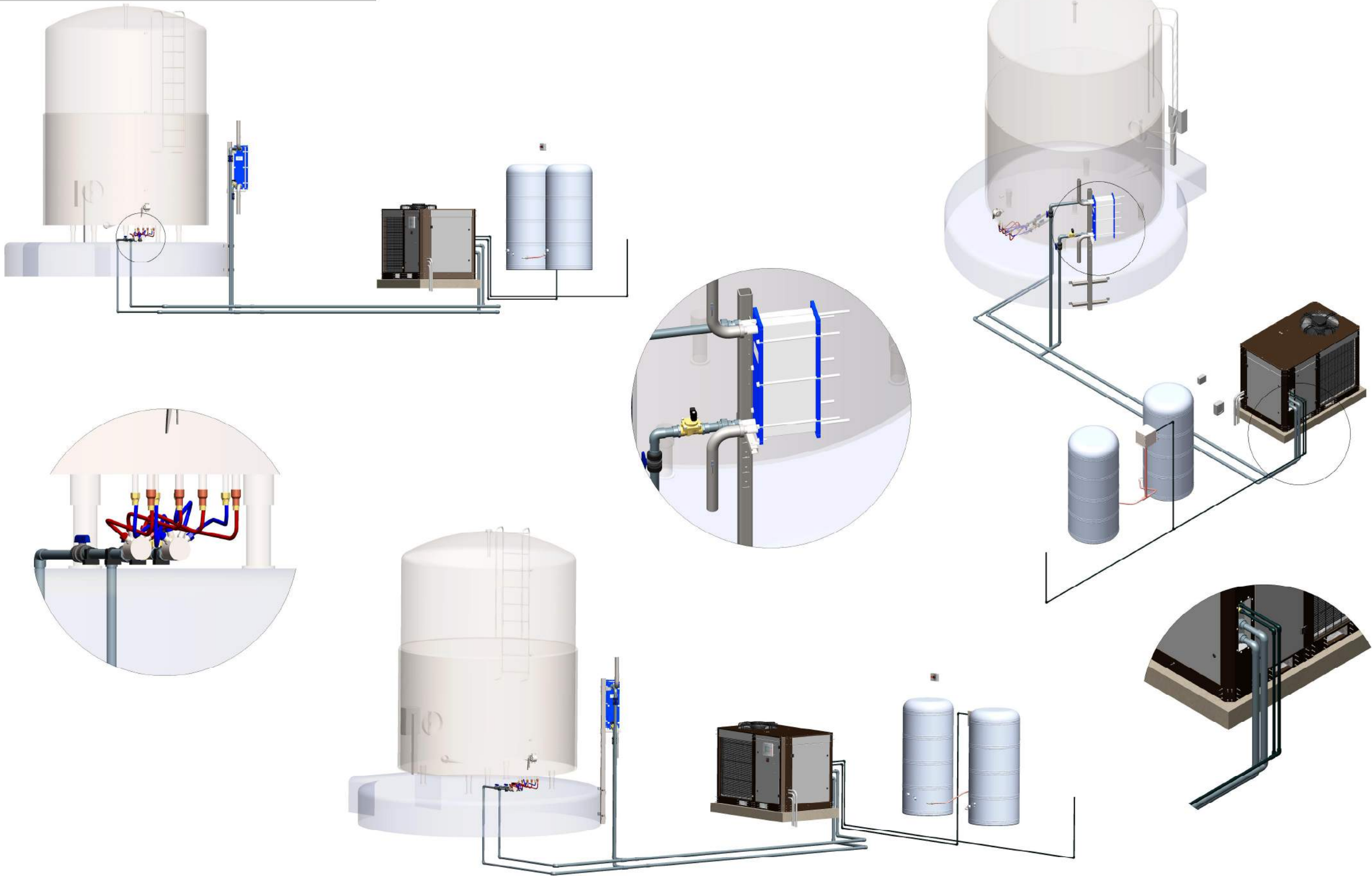
**COPYRIGHT:**  
THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
COOLSENSE NZ LTD.  
TEL: +64 (0)7 849 0006  
Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
Website: www.coolsense.co.nz  
E-mail: info@coolsense.co.nz

# SINGLE VAT INDUSTRIAL DOUBLE BANK INSTALLATION ILLUSTRATION



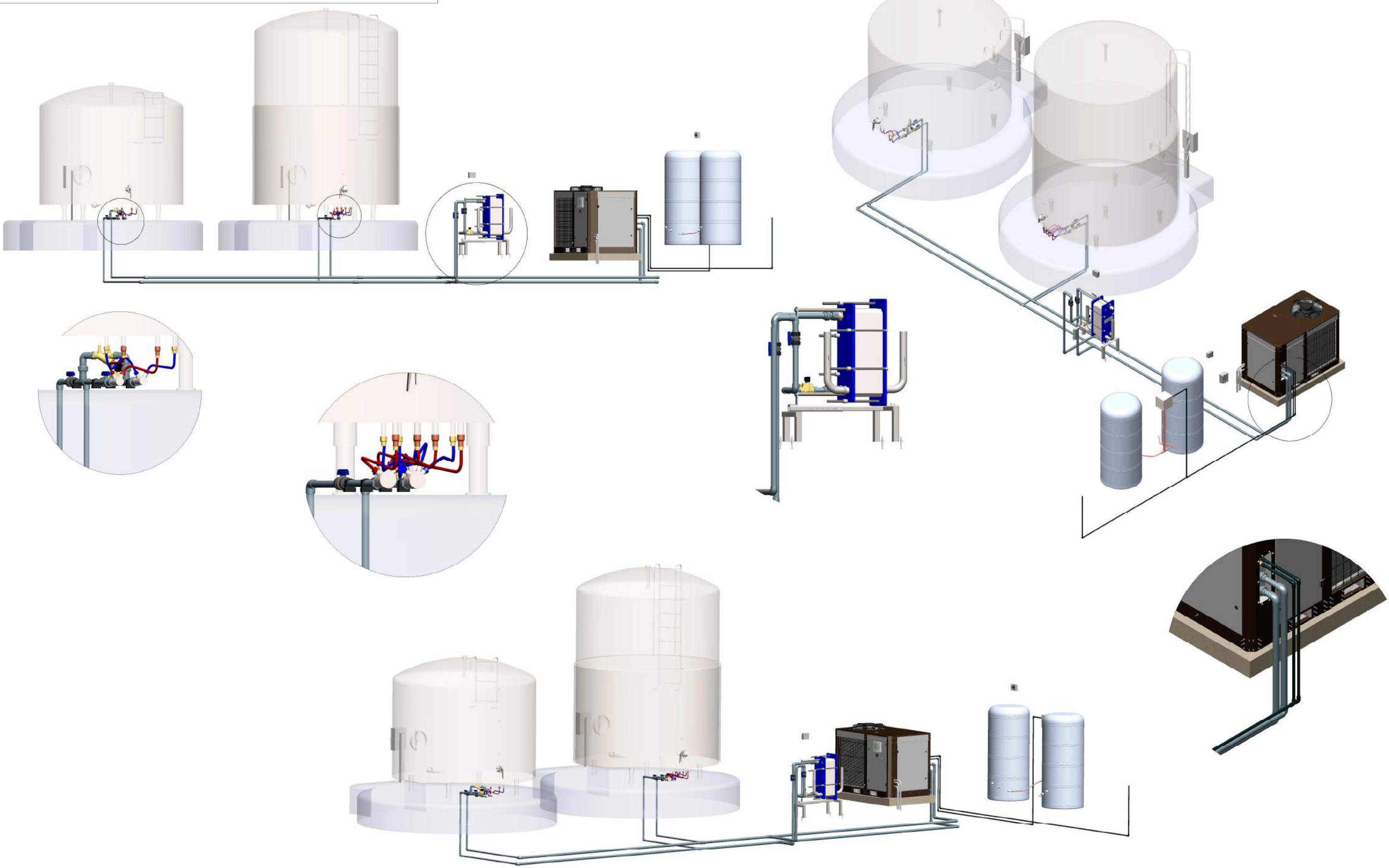
**COPYRIGHT:**  
THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
COOLSENSE NZ LTD.  
TEL: +64 (0)7 849 0006  
Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
Website: www.coolsense.co.nz  
E-mail: info@coolsense.co.nz

# SINGLE VAT SECONDARY HEAT EXCHANGER INSTALLATION ILLUSTRATION



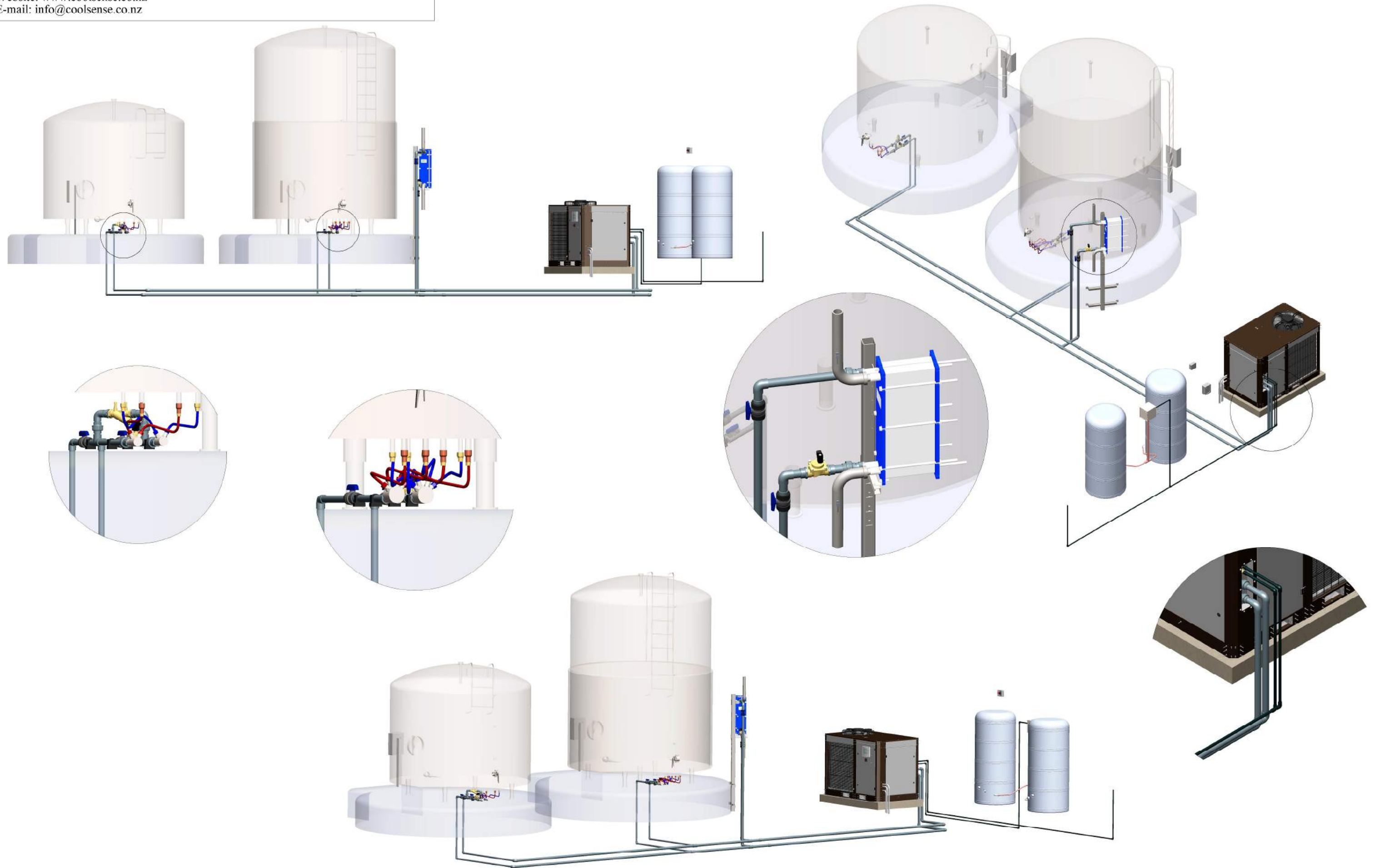
**COPYRIGHT:**  
THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
COOLSENSE NZ LTD.  
TEL: +64 (0)7 849 0006  
Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
Website: www.coolsense.co.nz  
E-mail: info@coolsense.co.nz

# TWIN VAT INDUSTRIAL DOUBLE BANK INSTALLATION ILLUSTRATION



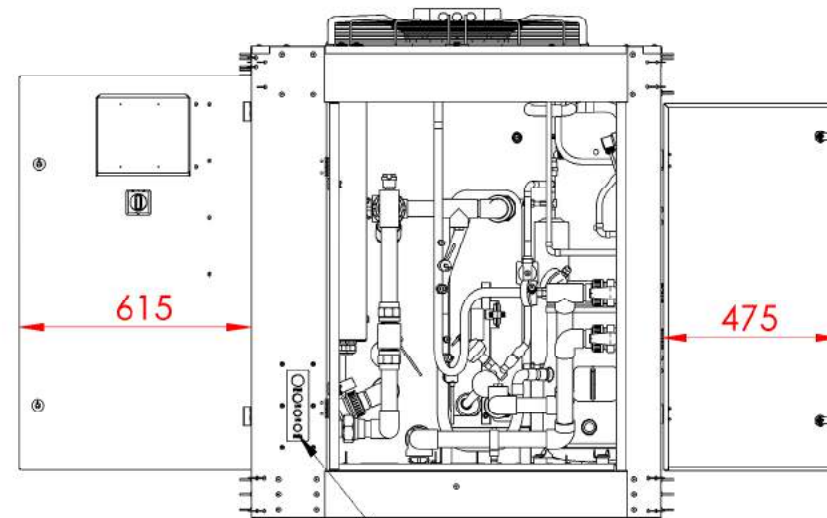
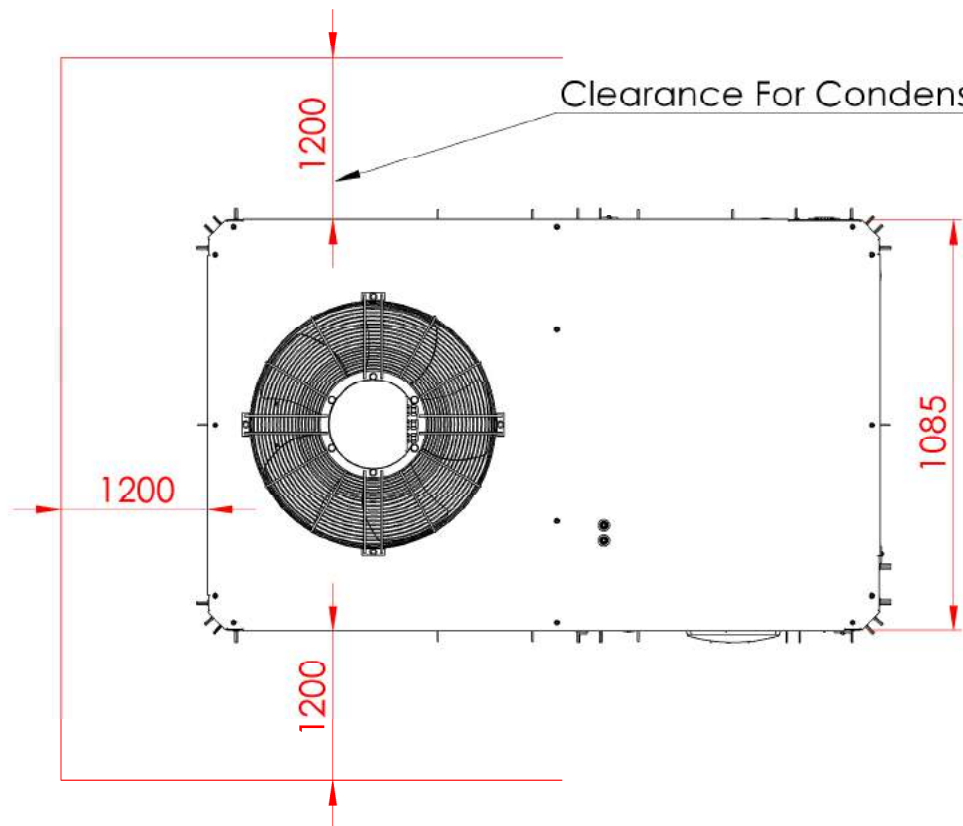
**COPYRIGHT:**  
THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
COOLSENSE NZ LTD.  
TEL: +64 (0)7 849 0006  
Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
Website: www.coolsense.co.nz  
E-mail: info@coolsense.co.nz

# TWIN VAT SECONDARY HEAT EXCHANGER INSTALLATION ILLUSTRATION

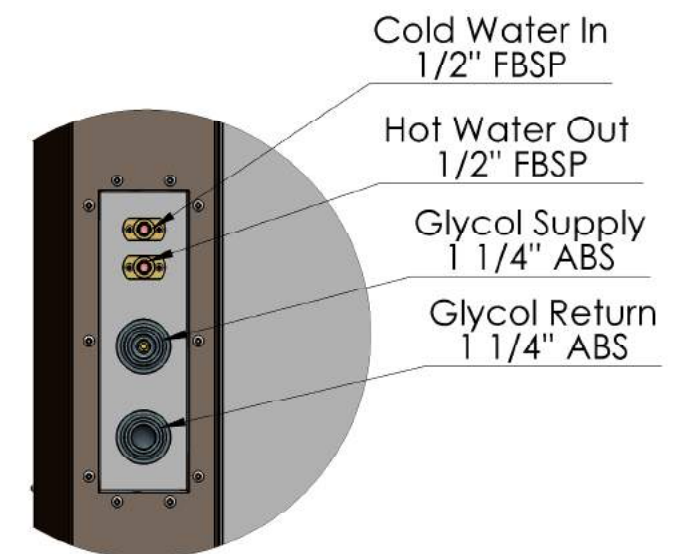
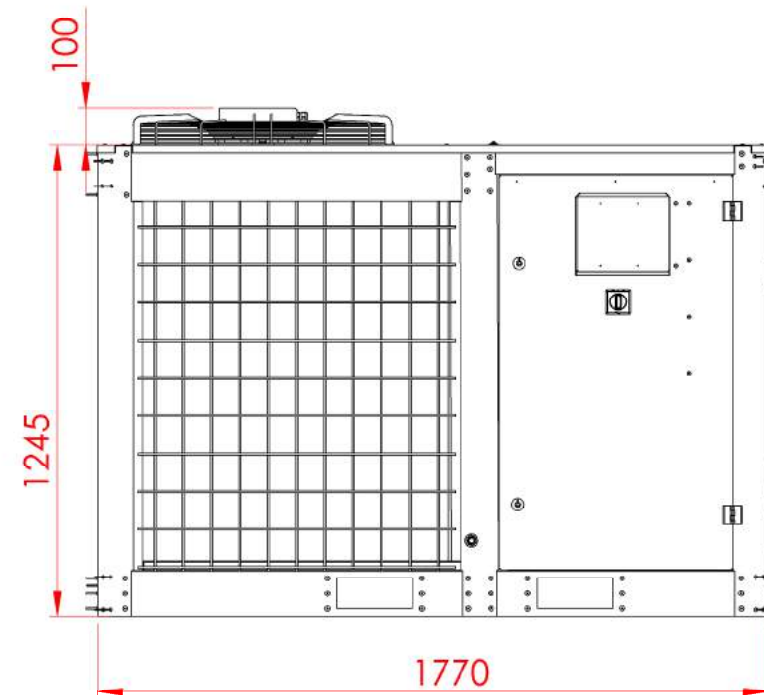
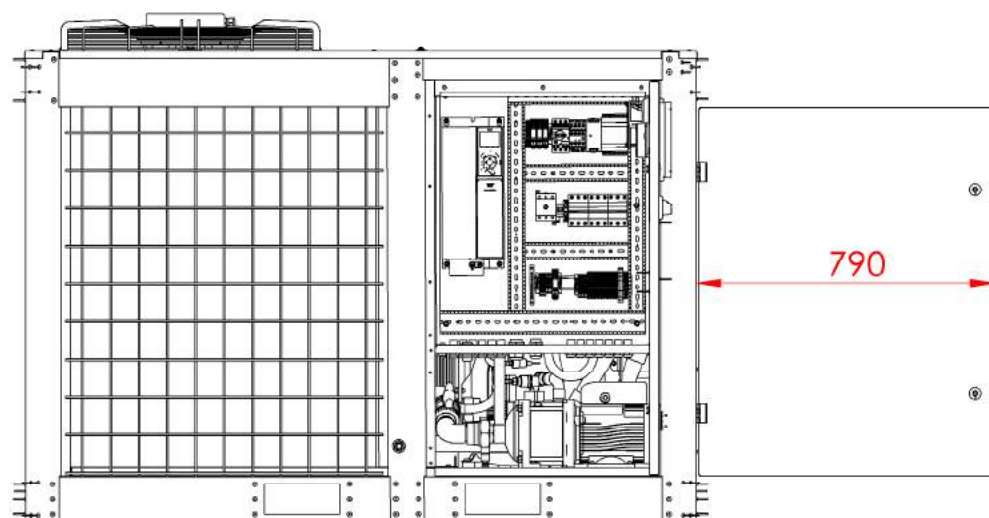
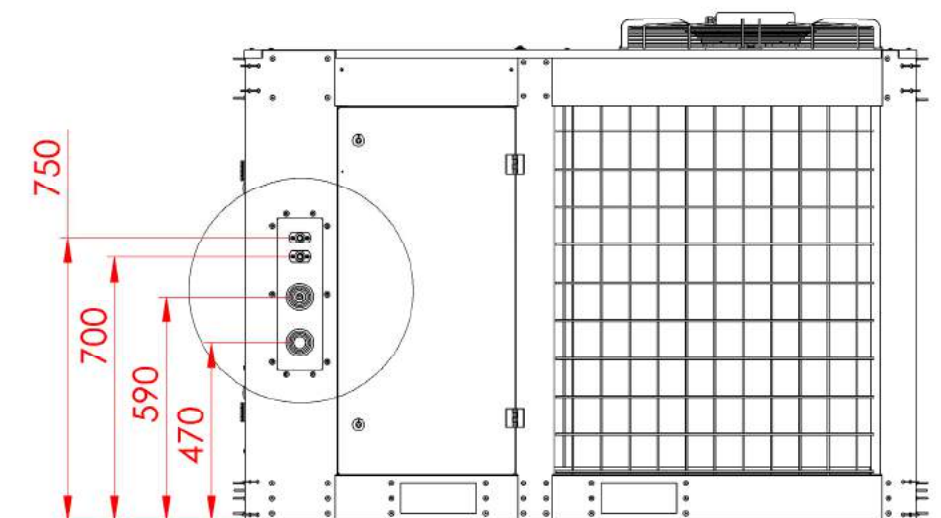


**COPYRIGHT:**  
 THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
 RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
 COOLSENSE NZ LTD.  
 TEL: +64 (0)7 849 0006  
 Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
 Website: www.coolsense.co.nz  
 E-mail: info@coolsense.co.nz

# VARI-CHILL 15 SPECIFICATION



Electrical Connection Panel



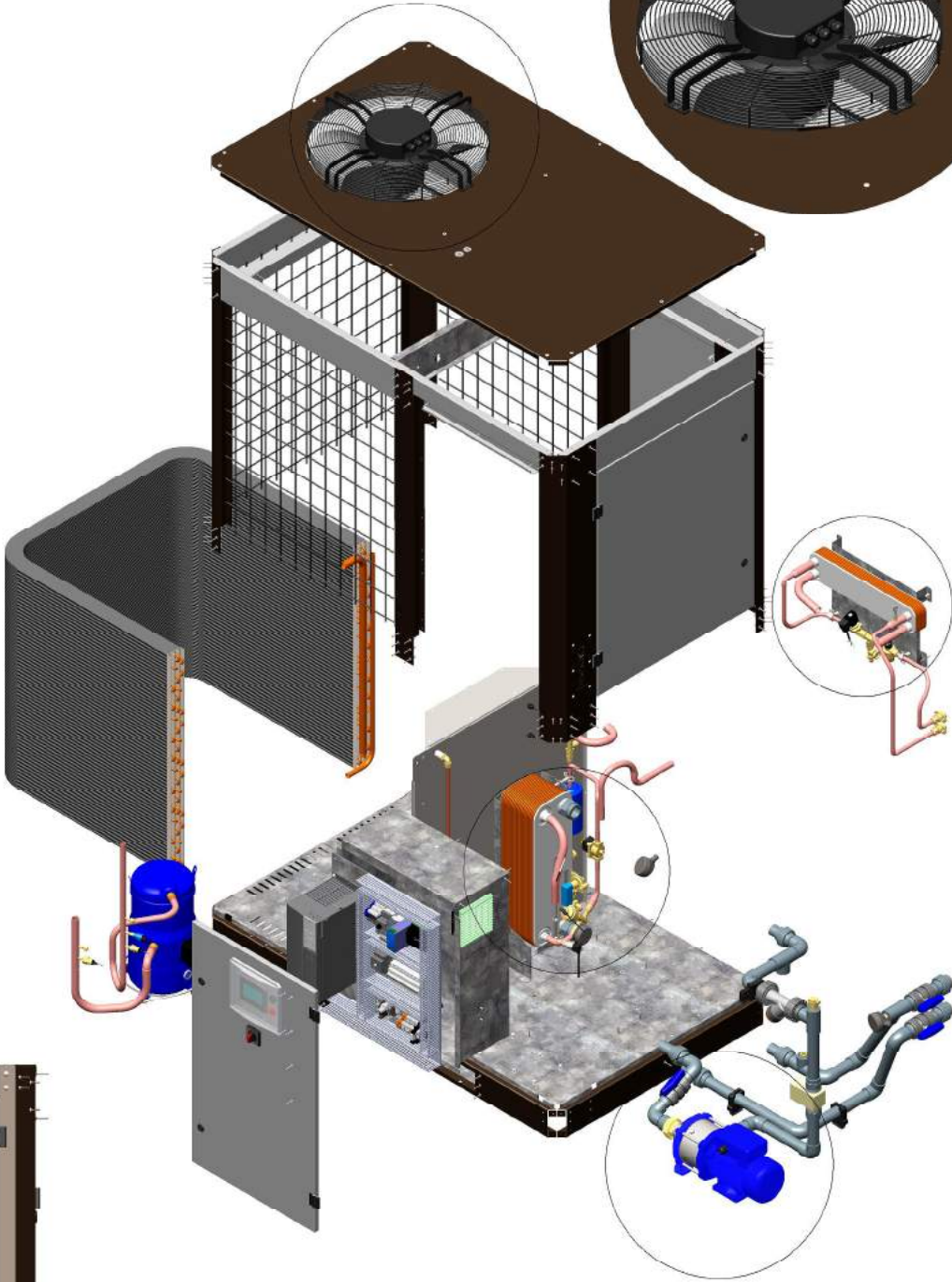
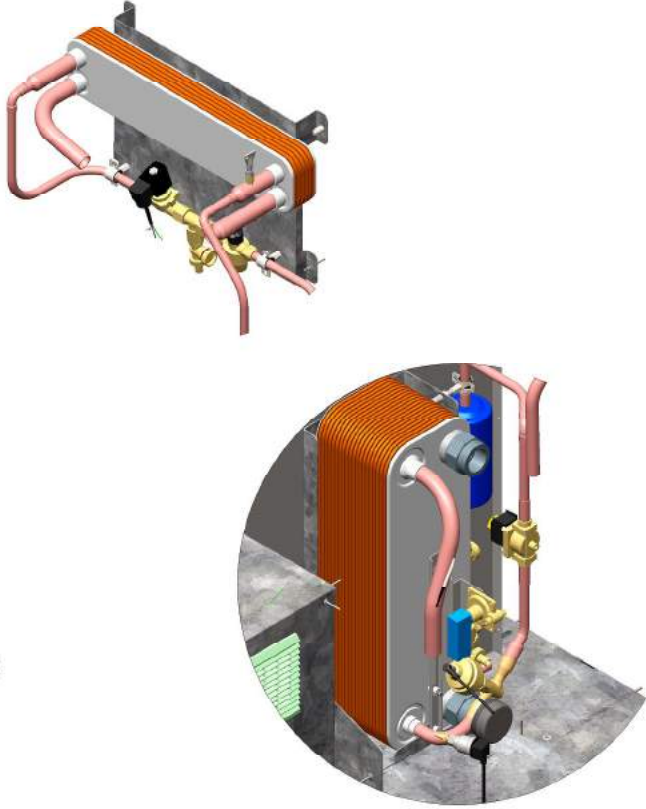
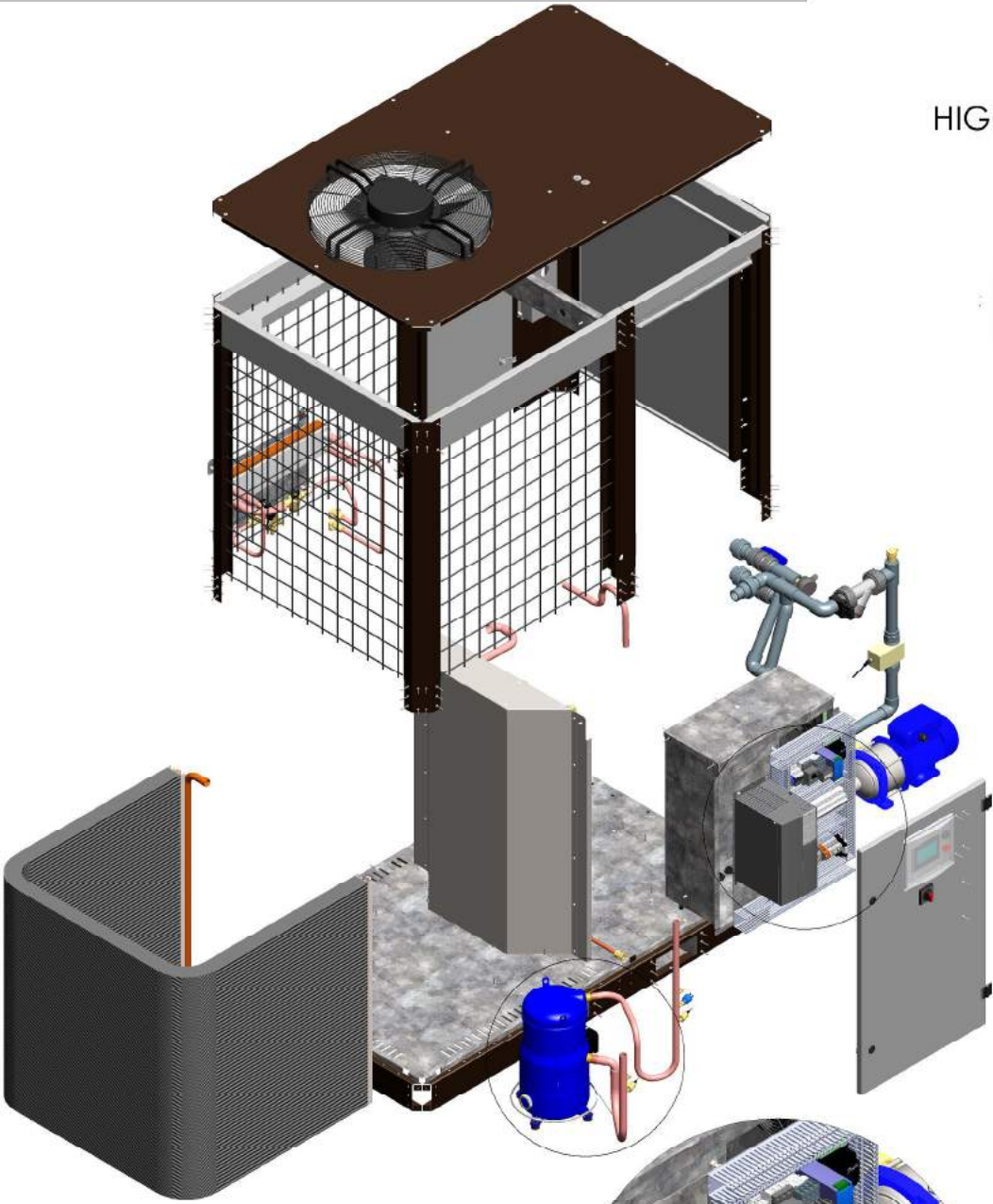
Model Number	VCHILL-15-INT-3.5-HR-INSUL
Phase	3
Volts	415
Hz	50
Refrigerant	R410A
Charge(kg)	10.8
Refrigerant Oil	Polyester 160SZ
Weight(kg)	586
kW Input	19.3
Unit	mm

**COPYRIGHT:**  
THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
COOLSENSE NZ LTD.  
TEL: +64 (0)7 849 0006  
Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
Website: www.coolsense.co.nz  
E-mail: info@coolsense.co.nz

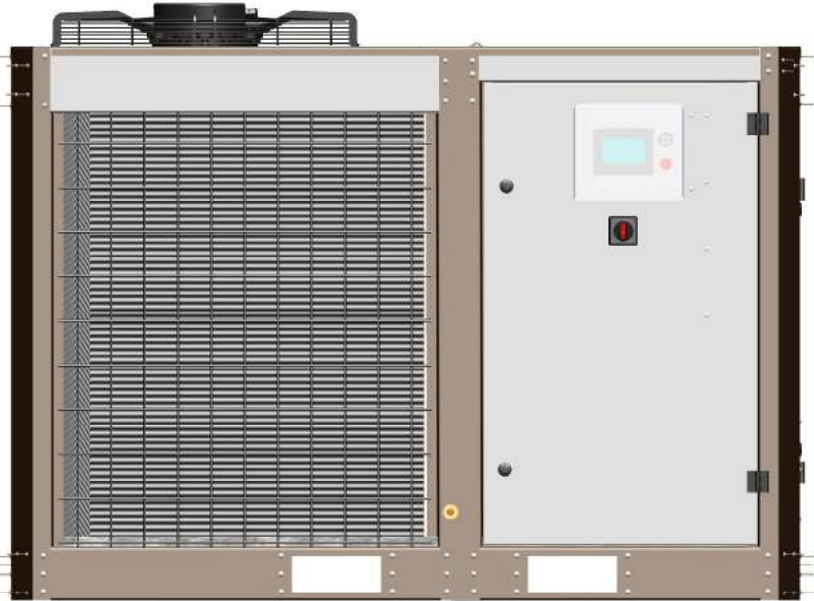
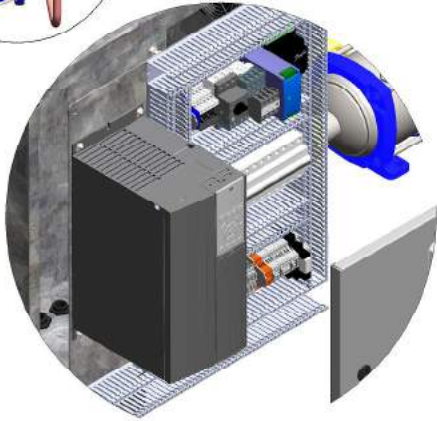
# VARI-CHILL 15 EXPLODED VIEW

VARIABLE SPEED EC FAN  
(LOW KW CONSUMPTION)

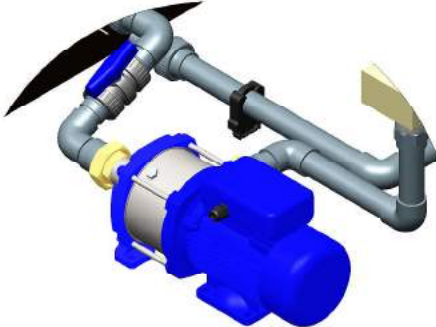
HIGH GRADE HEAT RECOVERY



VARIABLE SPEED COMPRESSOR  
WITH PERMANENT MAGNET MOTOR



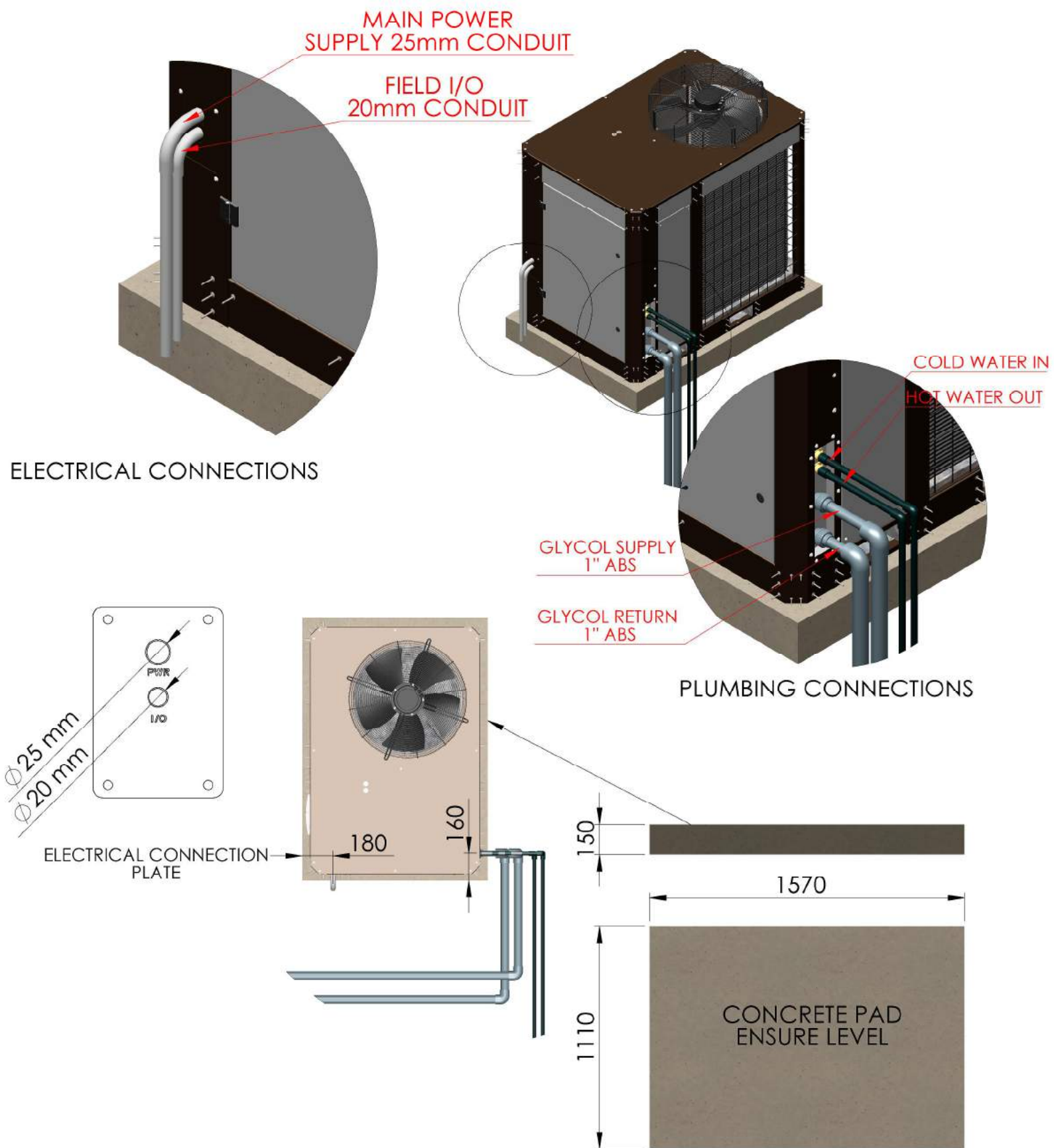
HIGH EFFICIENCY MULTI-STAGE  
CENTRIFUGAL PUMP



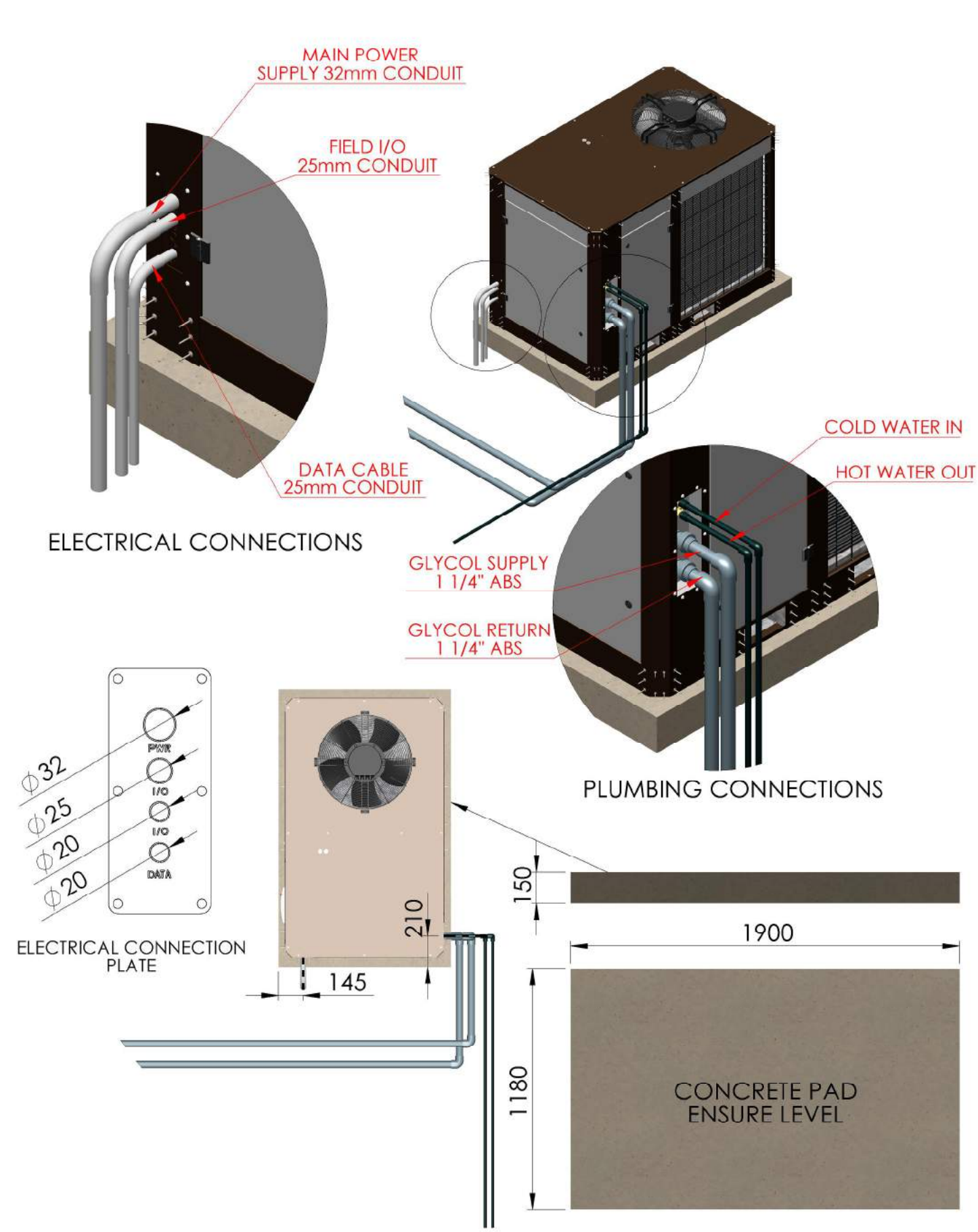
**COPYRIGHT:**  
 THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
 RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
 COOLSENSE NZ LTD.  
 TEL: +64 (0)7 849 0006  
 Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
 Website: www.coolsense.co.nz  
 E-mail: info@coolsense.co.nz



### VARI-CHILL 7.5 ELECTRICAL AND HYDRONIC INSTALLATION WITH PLINTH



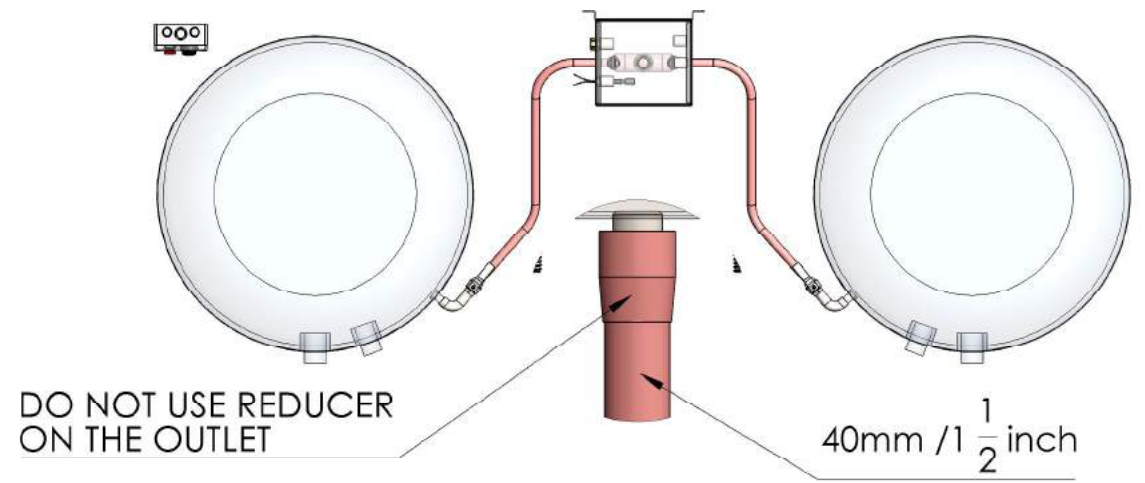
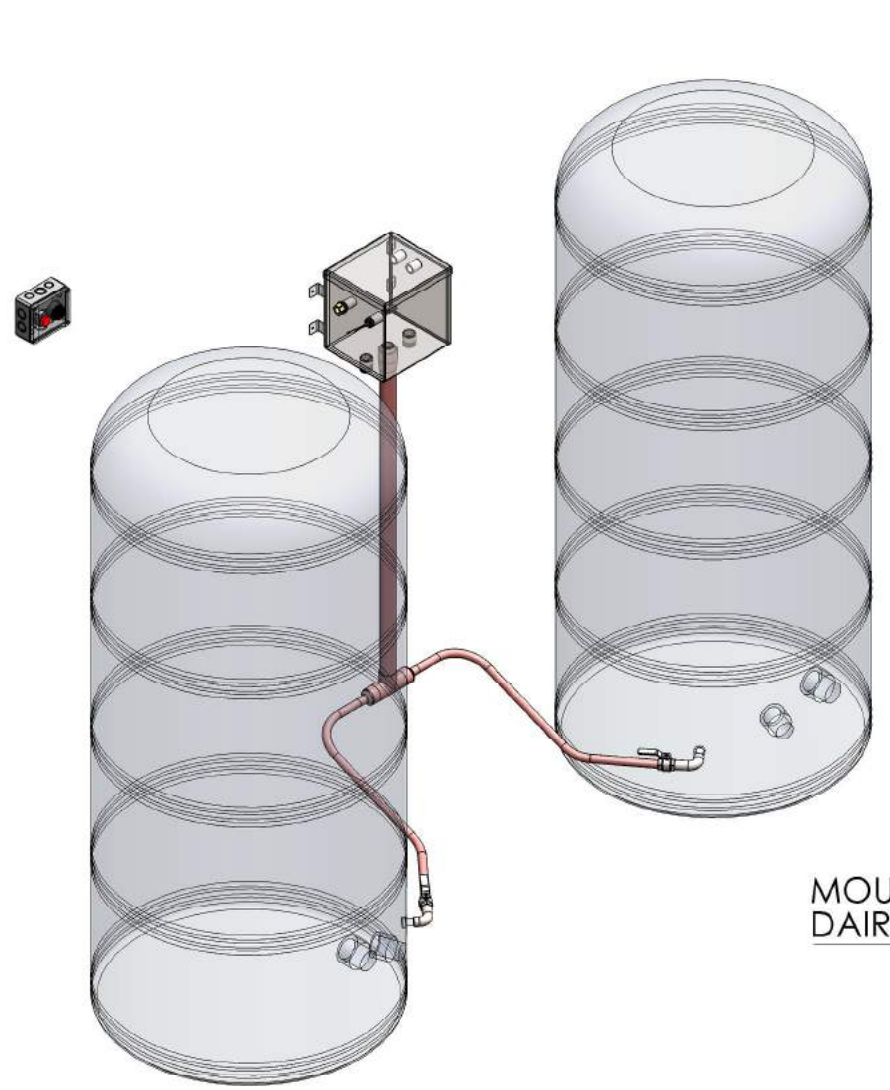
### VARI-COOL JNR & VARI-CHILL 15 ELECTRICAL AND HYDRONIC INSTALLATION WITH PLINTH



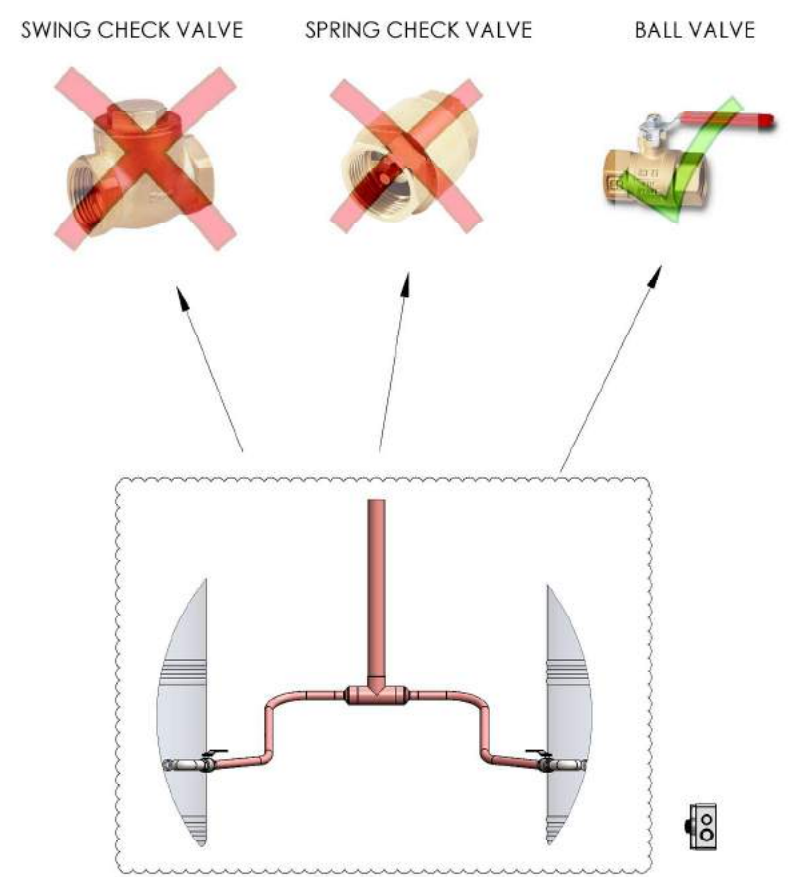


**COPYRIGHT:**  
 THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
 RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
 COOLSENSE LTD.  
 TEL: +64 (0)7 849 0006  
 Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
 Website: www.coolsense.co.nz  
 E-mail: info@coolsense.co.nz

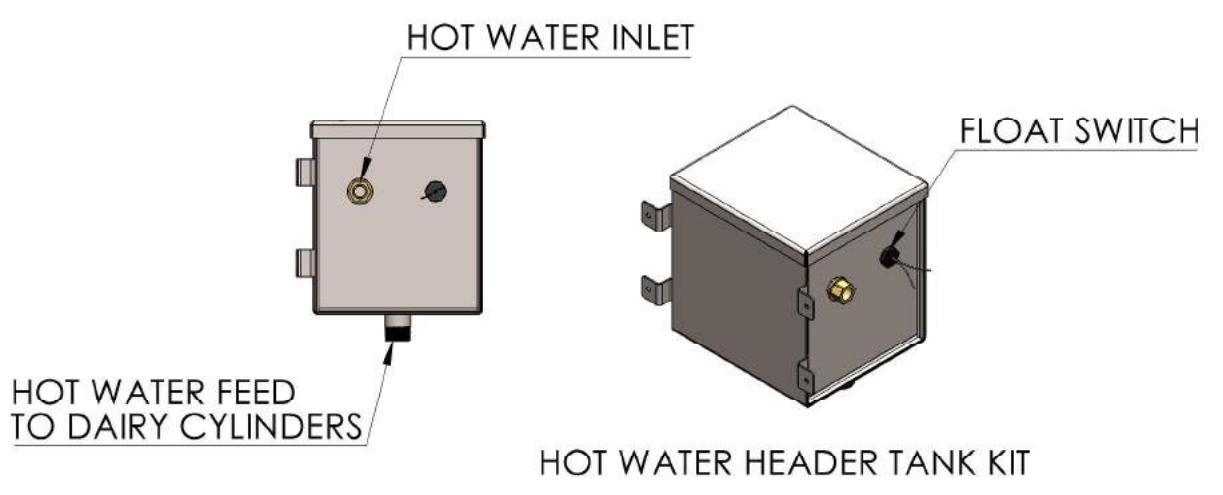
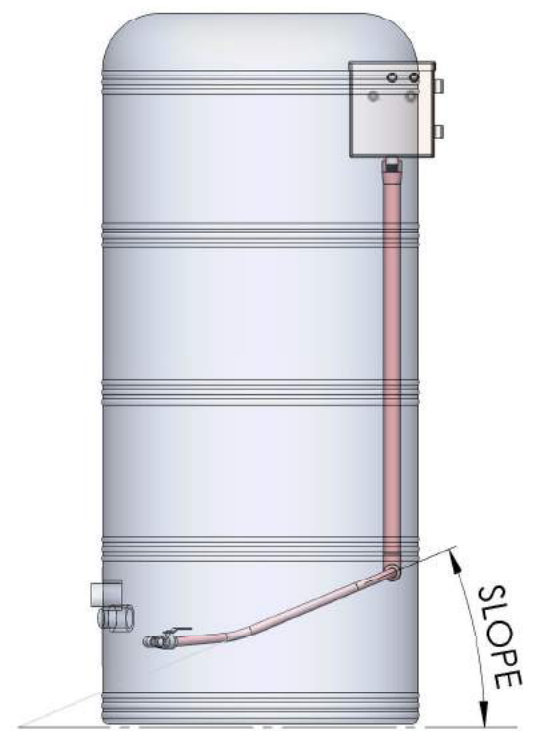
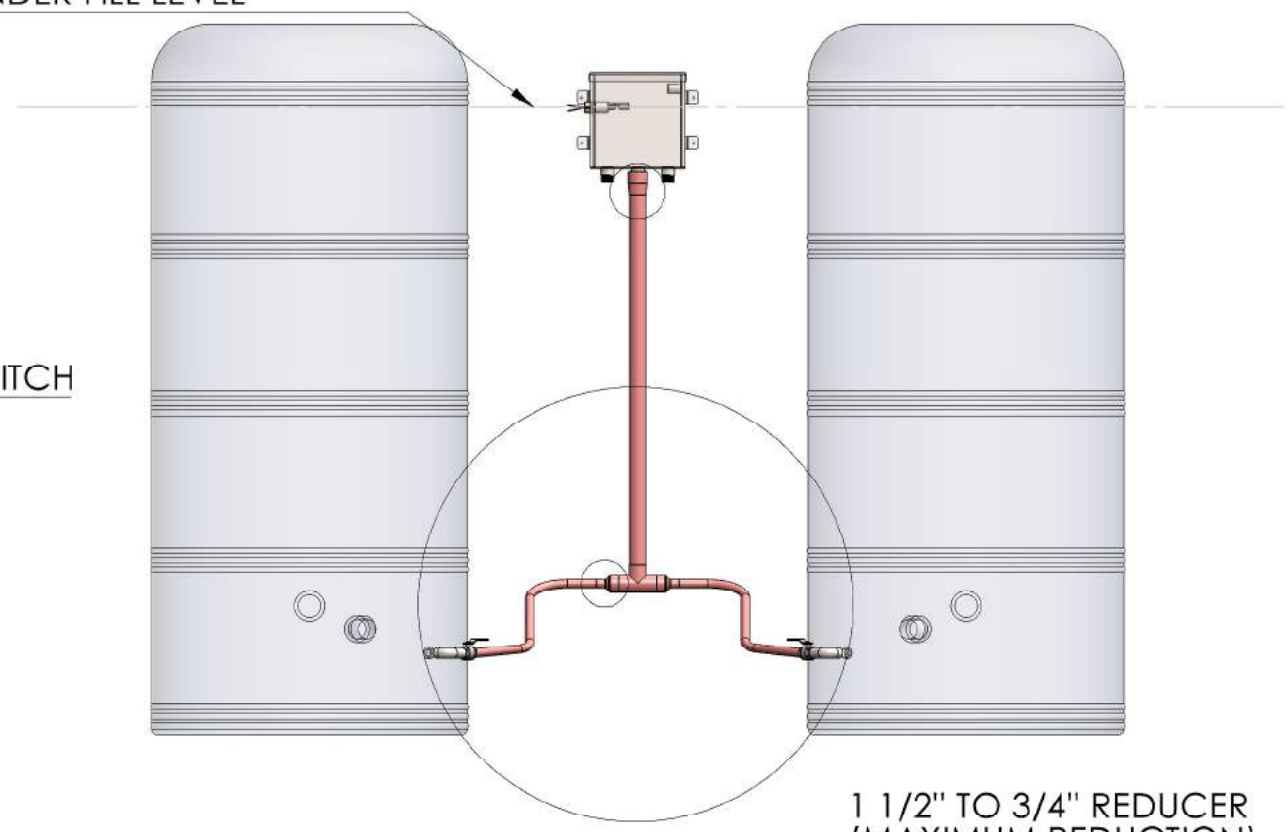
# HEAT RECOVERY HEADER TANK TO DAIRY CYLINDERS FOR ALL MODELS



**NOTE:**  
 THIS CONFIGURATION WILL DRAIN BOTH CYLINDERS EQUALLY.

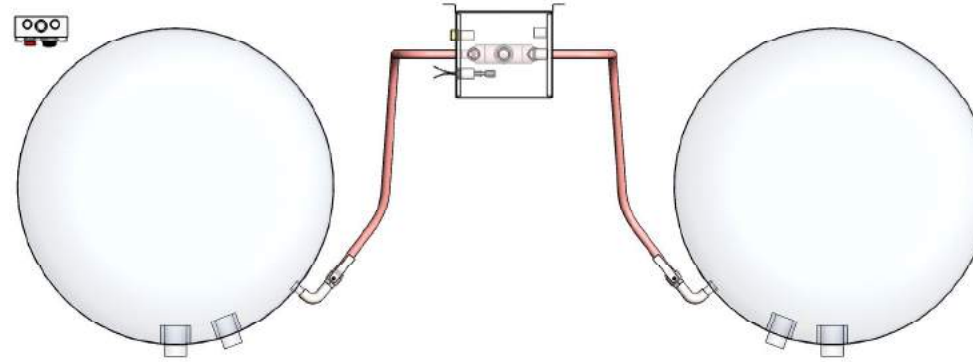
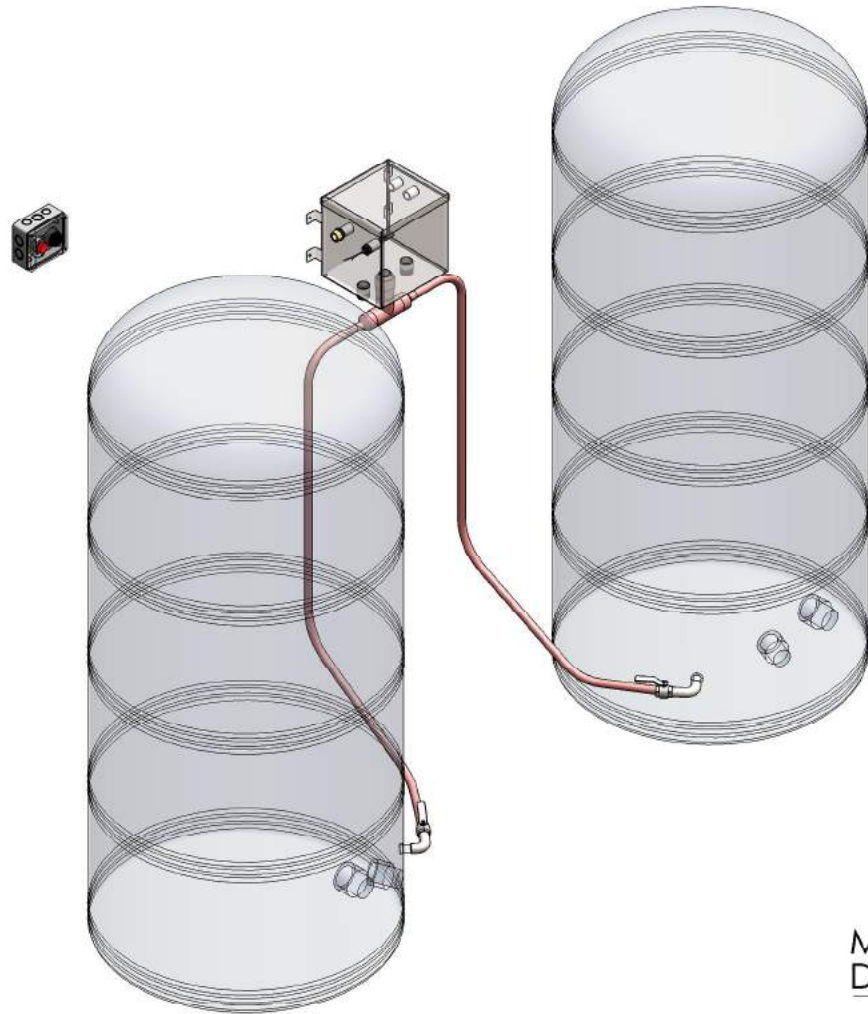


**MOUNT HEADER TANK TO CORRECT DAIRY CYLINDER FILL LEVEL**

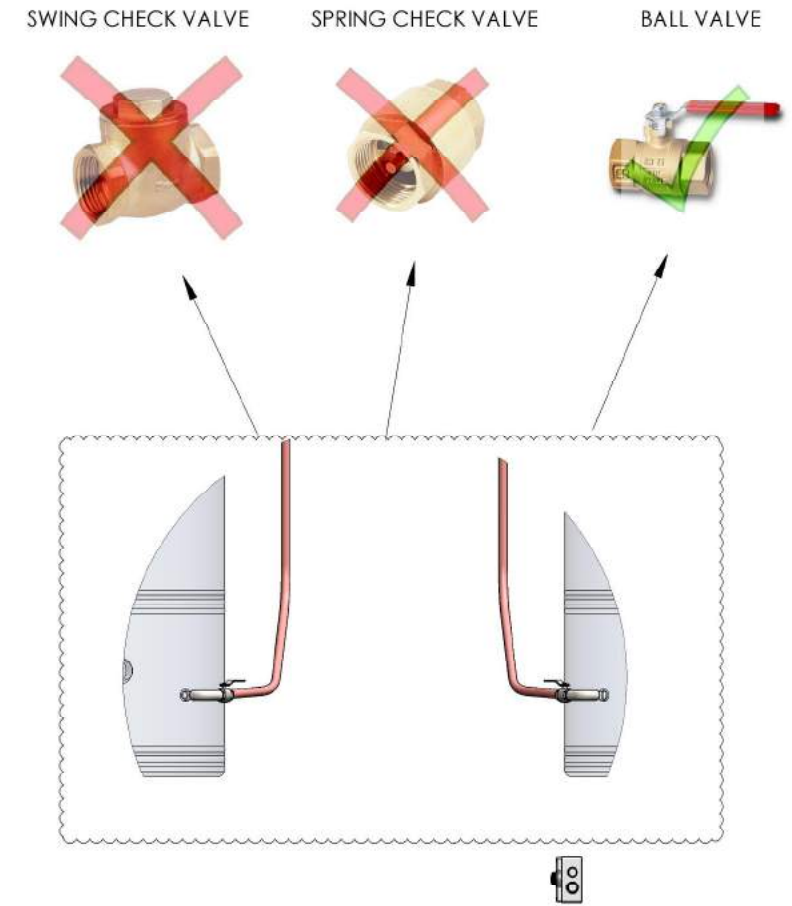


**COPYRIGHT:**  
 THIS DRAWING IS COPYRIGHT AND MUST NOT BE  
 RE-PRODUCED WITHOUT WRITTEN CONSENT OF  
 COOLSENSE LTD.  
 TEL: +64 (0)7 849 0006  
 Address: 618D Te Rapa Road, Te Rapa, PO BOX 10186, Hamilton 3200, New Zealand.  
 Website: www.coolsense.co.nz  
 E-mail: info@coolsense.co.nz

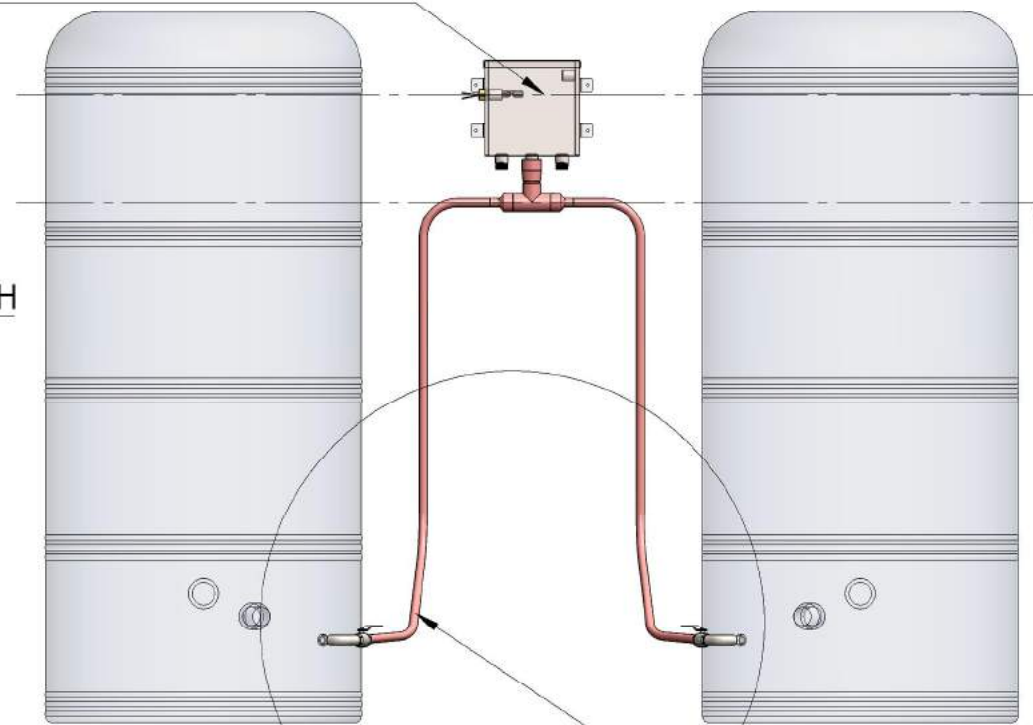
# HEAT RECOVERY HEADER TANK TO DAIRY CYLINDERS FOR ALL MODELS (EMPTY FIRST FILL-NON EQUALISING)



**NOTE:**  
 THIS CONFIGURATION WILL ALLOW THE DAIRY  
 CYLINDERS TO BE EMPTIED INDEPENDENTLY FROM  
 EACH OTHER



**MOUNT HEADER TANK TO CORRECT  
 DAIRY CYLINDER FILL LEVEL**



REMAINING  
 FILL LEVEL

SLOPE

3/4" MINIMUM PIPE BORE

HOT WATER INLET

FLOAT SWITCH

HOT WATER FEED  
 TO DAIRY CYLINDERS

HOT WATER HEADER TANK KIT