OZmist®

TOTAL CLIMATE SOLUTIONS

DUST SUPPRESSION INSTALLATION GUIDE

AUSTRALIAS LEADING MIST SYSTEM MANUFACTURER

CONTENTS

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INDUSTRIAL PUMP LAYOUT

IMPORTANT; PLANNING THE INSTALLATION WILL SAVE YOU TIME IN THE LONG RUN

·IN MOST CASES, THERE WILL BE A DESIGN FOR THE SYSTEM SHOWING THE LOCATION OF MIST AND SUPPLY LINES.

·MISTING LINES ARE TYPICALLY SPACED AT 6 METERS +/-.

·MISTING LINES CAN BE FITTED TO THE UNDERSIDE OF ROOF PURLINS OR TO A 3MM STAINLESS STEEL CABLE THAT IS STRUNG BETWEEN TWO SOLID POINTS.

·DETERMINE THE LOCATION OF MISTING LINES AND SUPPORT CABLES (IF REQUIRED)

·IF USING AN S/S CABLE, MAKE SURE THE TWO FIXED POINTS ARE STRONG ENOUGH TO HOLD THE WEIGHT OF THE TUBE AND CABLE AS WELL AS THE TENSION THAT IS APPLIED.

·FIND A SUITABLE LOCATION FOR THE PUMP MODULE KEEPING IN MIND THE NEED FOR WATER, POWER AND CONTROL SYSTEMS.

·CHOOSE A PATH FOR THE HIGH-PRESSURE NYLON TUBE TO RUN BETWEEN THE PUMP AND MISTING LINES. TRY TO KEEP THE RUNS AS DIRECT AS POSSIBLE.

·HAVE SUITABLE SCREWS AVAILABLE TO FIX THE TUBE SADDLES AND STAINLESS STEEL CABLE.

·WHEN ASSEMBLING MIST AND SUPPLY LINES ENSURE DEBRIS CAN'T ENTER THE TUBES AS IT COULD CAUSE A NOZZLE BLOCKAGE WHEN THE SYSTEM IS STARTED.

MISTING NOZZLE LINES

THERE ARE TWO MISTING LINES MATERIALS AVAILABLE FOR INSTALLATION. THE MOST POPULAR FOR DUST SUPPRESSIONS SYSTEMS IN HIGH-PRESSURE NYLON TUBES AND PUSH LOCK FITTINGS. THE OTHER OPTION IS THE QUICK FIT RANGE WHICH COMPRISES OF PRE-CUT AND MACHINED LENGTHS OF STAINLESS STEEL TUBE AND QUICK-FIT FITTINGS. BOTH SYSTEMS ARE EXTREMELY EASY TO USE WITH SIMILAR INSTALLATION TIMES.

MISTING LINE SET OUT

MISTING LINES ARE TYPICALLY SPACED AT 6 METERS APART GIVE OR TAKE. YOU WILL NEED AROUND 3 METERS FROM A SIDEWALL AND 2 METERS FROM THE END OF THE LINE TO A WALL TO ALLOW FOR EVAPORATION.

YOU SHOULD AIM TO FIT THE LINES AT THE LOWEST LEVEL POSSIBLE (ABOVE 6 METERS) BUT NEED TO ALLOW FOR TIP TRUCKS AND LOADERS MOVING UNDERNEATH AT FULL EXTENSION.

LINES CAN BE FITTED TO THE UNDERSIDE OF ROOF PURLINS OR FASTENED TO A SUSPENDED STAINLESS-STEEL CABLE.

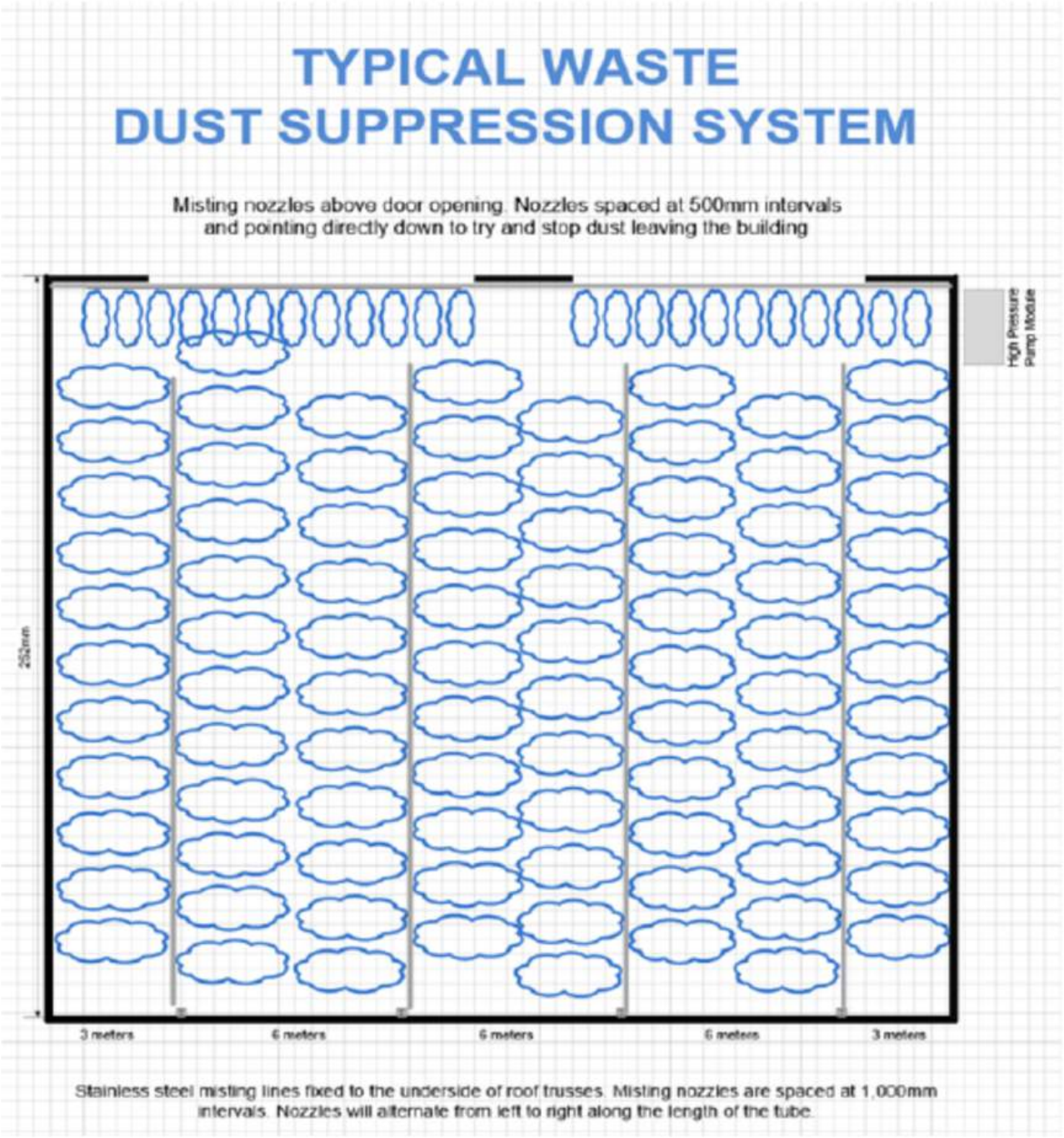
KEEP IN MIND THAT THE HIGHER OFF THE FLOOR THE MIST NOZZLES ARE, THE CLOSER TOGETHER THE NOZZLES WILL BE INSTALLED. AT SAY 12 METERS HIGH YOU WILL HAVE A SPACING OF 1 METER. AT 8 METERS IT WILL BE 1,500MM.

IMPORTANT; PLANNING THE INSTALLATION WILL SAVE YOU TIME IN THE LONG RUN

KEEP THE SUPPLY LINE RUN AS SHORT AS POSSIBLE BETWEEN THE PUMP MODULE AND FURTHEST MIST LINE. WITH A HIGH FLOW SYSTEM, FRICTION LOSS WILL NEED TO BE CONSIDERED WHEN SUPPLYING/INSTALLING THE NYLON SUPPLY LINES.

CONSIDER ACCESS TO THE MIST LINES SHOULD THERE BE A BLOCKED NOZZLE, LEAKING OR BROKEN PIPE. IT IS GOOD PRACTICE TO INSTALL A BALL VALVE AT THE START OF EACH MIST LINE THAT CAN BE CONTROLLED FROM AN ACCESSIBLE LEVEL.

CONSIDER RUNNING SUPPLY LINES AT A LOWER LEVEL THAT CAN BE ACCESSED WITHOUT A SCISSOR LIFT.



THE PUMP MODULE MUST BE INSTALLED UNDERCOVER IN A POSITION THAT OFFERS ADEQUATE VENTALATION

PUMP MODULES SHOULD NOT BE INSTALLED IN EXCESSIVELY DUSTY AREAS. THE INTERNAL ELECTRICAL COMPONENTS INSIDE THE CABINET WILL BE AFFECTED BY DUST BUILD-UP.

WATER SUPPLY

THE PUMP MODULE NEEDS AN ADEQUATE WATER SUPPLY TO RUN EFFICIENTLY
WITH THE PUMP MODULE RUNNING ALL NOZZLES CONNECTED, THERE MUST BE A MINIMUM OF 20PSI (OR135KPA) INLET WATER PRESSURE ON THE PUMP CABINET GAUGE WITH A MAXIMUM OF 50PSI O(OR345KPA).

INSUFFICIENT WATER PRESSURE WILL CAUSE THE INTERNAL LOW-PRESSURE SWITCH TO STOP THE PUMP ERRATICALLLY UNTIL THE WATER DLOW IS RESTORED. IF THIS 'CHATTERING' CONTINUES IT WILL TRIP THE POWER SUPPLY TO THE PUMP AND CAN CAUSE DAMAGE TO THE ELECTRICAL CONTACTOR.
TAKE INTO ACCOUNT OTHER APPLIANCES USING WATER. OFTEN TOWN WATER SUPPLY PRESSURE DROPS OFF AT PERIODS OF HIGH USE IN THE AFTERNOONS.

MOUNTING SURFACE

THE MODULE SHOULD BE INSTALLED ONTO A FLAT, LEVEL AND SEALED SURFACE. VEGETATION SHOULD BE KEPT CLEAR OF THE MODULE.

ACCESS

THE PUMP MODULE SHOULD BE SITUATED IN AN ACCESSIBLE LOCATION WHERE THE MONITORING INLET AND OUTLET PRESSURE GAUGES, HANGING OF THE FILTER CARTRIDGES AND OIL READING THE HOUR METER ARE EASILY ACHIEVED.

DRAINAGE

INDUSTRIAL PUMP MODULES HAVE A HIGH-PRESSURE SOLENOID VALVE THAT RELIEVES PUMP HEAD PRESSURE UPON SHUT DOWN. ENSURE THE BLUE HOSE COMING FROM THE INSIDE OF THE CABINET IS CONNECTED TO A SUITABLE DISCHARGE POINT TO AVOID WATER DAMAGE IN THE IMMEDIATE AREA.

WATER QUALITY

ULTRA FINE MIST NOZZLES EMPLOYED IN THE OZMIST SYSTEM DEPENDENT OF CLEAN WATER FOR THEIR CONTINUED, TROUBLE-FREE OPERATION.
PUMP MODULES HAVE TWO FILTER CARTRIDGES FITTED TO THE REAR OF THE CABINET. THE CARTRIDGE CLOSEST TO THE WATER CONNECTION IS A 10 UM FILTER AND THE FOLLOWING CARTRIDGE IS A 5UM FILTER. REPLACEMENT FILTERS CAN BE ORDERED FROM OZMIST OR SOME PLUMBING SUPPLY OUTLETS.
FILTER LIFE WILL ULTIMATELY DEPEND OF THE QUALITY OF THE WATER SUPPLIED.

·THERE IS A COMPREHENSIVE RANGE OF QUICK FIT FITTINGS AVAILABLE.

·CHOOSE THE REQUIRED FITTING AND UNDO THE 3MM ALLEN KEY GRUB SCREW MAKING SURE IT IS FULLY UNDONE. IF IT'S NOT UNDONE COMPLETELY IT MAY STOP THE TUBE FROM INSERTING FULLY.

·TWIST THE FITTING ONTO THE END OF THE STAINLESS STEEL TUBE. OCCASIONALLY LUBRICATION OF THE END OF THE TUBE MAY BE NECESSARY.

·NEVER HIT THE FITTING ONTO THE TUBE AS YOU WILL TEAR THE INTERNAL O RING AND THE FITTING WILL LEAK.

·ONCE THE TUBE IS FULLY INSERTED, TWIST THE FITTING/NOZZLE TO LINE UP WITH OTHER FITTINGS IN THE LINE. TIGHTEN THE GRUB SCREW FULLY.

·WHEN THE TUBE IS INSERTED TO THE CORRECT DEPTH THE GRUB SCREW WILL LOCK INTO THE GROOVE ON THE TUBE.

·PRE ASSEMBLING SECTIONS OF TUBES AND FITTINGS ON THE GROUND CAN MAKE INSTALLATION QUICKER.

·NYLON INSERT WRAP AROUND TUBE SADDLES ARE SUPPLIED TO SECURE THE TUBE TO THE BUILDING STRUCTURE. IF INSTALLING THE MIST LINE TO PURLINS ETC., WRAP THE SADDLE AROUND THE TUBE AND SCREW TO THE STRUCTURE MAKING SURE THE TUBE DOES NOT COME INTO CONTACT WITH THE BUILDING.

·HAND SCREW NOZZLES INTO THE NOZZLE UNIONS.

Quick Fit Static Line Components for Stainless.

·PUSH LOCK FITTINGS ARE EXTREMELY EASY TO USE.

·ONLY USE NYLON TUBE CUTTERS TO CUT THE TUBE. NEVER USE A HACKSAW.

·CUT THE NYLON TUBE TO LENGTH. PUSH THE FITTING OVER THE END OF THE TUBE AND PUSH UNTIL THE TUBE IS FULLY INSERTED. KEEP IN MIND THAT THERE IS AN INTERNAL O RING THAT IS 5MM SHORT OF THE END OF THE FITTING AND THIS IS SOMETIMES MISTAKEN FOR THE END OF THE FITTING. YOU MUST PUSH THE TUBE PAST THE O RING OR THE FITTING WILL BLOW OFF UNDER PRESSURE.

·NEVER HIT THE FITTING ONTO THE TUBE AS YOU WILL TEAR THE INTERNAL O RING AND THE FITTING WILL LEAK.

·ONCE THE TUBE IS FULLY INSERTED, HOLD THE END COLLAR AND TWIST THE FITTING AROUND THE TUBE. FINALLY, PULL BACK ON THE FITTING. THIS HELPS TO LOCK THE JAWS ONTO THE TUBE.

·PRE ASSEMBLING SECTIONS OF TUBES AND FITTINGS ON THE GROUND CAN MAKE INSTALLATION QUICKER.

·NYLON INSERT WRAP AROUND TUBE SADDLES ARE SUPPLIED TO SECURE THE TUBE TO THE BUILDING STRUCTURE. IF INSTALLING THE MIST LINE TO PURLINS ETC., WRAP THE SADDLE AROUND THE TUBE AND SCREW TO THE STRUCTURE MAKING SURE THE TUBE DOES NOT COME INTO CONTACT WITH THE BUILDING.

·HAND SCREW NOZZLES INTO THE NOZZLE UNIONS.

Push Lock Static Line Components for Nylon.

SPECIAL TOOLS REQUIRED: STAINLESS STEEL WIRE CUTTERS

·SELECT THE TWO STRAINING POINTS FROM WHICH YOU REQUIRE YOUR DISTRIBUTION LINE OR MISTING LINE TO SPAN.

·ROLL OUT THE STAINLESS STEEL CABLE AND CUT 1 METER LONGER USING THE CABLE CUTTER.

·THE OTHER END OF THE STAINLESS STEEL CABLE IS NOW READY TO BE FIXED. A RATCHET STRAINER MUST B E INSTALLED AT THIS END SO THAT THE CABLE CAN BE TENSIONED.

·AT THE OTHER END PULL A SHORT PIECE OF CABLE AROUND THE STRAINING POINT. FEED ONE END THROUGH THE RATCHET STRAINER AND THEN BOTH ENDS THROUGH CABLE U- BOLTS. AGAIN, TIGHTEN THE CABLE U-BOLTS

·THE END OF THE STAINLESS STEEL CABLE THAT RUNS BETWEEN THE STRAINING POINTS CAN NOW FEED THROUGH THE HOLE IN THE DRUM IN THE CENTRE OF THE RATCHET STRAINER.

·FEED THE CABLE THROUGH THE DRUM AND PULL THE CABLE TAUGHT. LEAVE A SUFFICIENT AMOUNT OF CABLE THROUGH THE DRUM OF THE RATCHET STRAINER TO ALLOW THE STRAINED CABLE TO WIND OVER IT ON THE DRUM A FEW TIMES. CUT OFF ANY EXCESS.

·USING A SHIFTER TURN THE SQUARE EDGE OF THE DRUM CENTRE IN A CLOCKWISE DIRECTION, TIGHTENING THE CABLE. THE DESIGN OF THE RATCHET STRAINER WILL NOT ALLOW THE DRUM TO SPIN BACKWARDS.

·THE WEIGHT OF THE MISTING LINES MAY CAUSE THE STAINLESS STEEL CABLE TO SAG. TO OVERCOME SAGGING IT IS NECESSARY TO SUPPORT THE MISTING LINE ALONG ITS LENGTH.

·NOW THAT THE STAINLESS STEEL CABLE HAS BEEN FITTED THE ATOMIZATION LINES OR DISTRIBUTION LINES CAN BE INSTALLED.

·IT IS ADVISABLE TO FIT STAINLESS STEEL BALL VALVES AT THE START OF EACH MISTING LINE TO ALLOW FOR THE ISOLATION OF A SINGLE LINE SHOULD THE NEED ARISE.

NEVER CUT NYLON TUBE USING A HACKSAW

DISTRIBUTION LINES BETWEEN THE PUMP MODULE AND STAINLESS STEEL MISTING LINES (ATOMIZATION LINES) ARE NORMALLY SEMI-RIGID HIGH-PRESSURE NYLON TUBE WHICH IS SUPPLIED IN 25-METER OR 100-METER ROLLS. NYLON TUBE IS SPECIALLY MANUFACTURED FOR OZMIST TO WITHSTAND PRESSURES OF OVER 17,000KPA. NORMAL PLUMBING PIPE SUCH AS AUSPEX IS RATED AT JUST 1,378 KPA.

WHEN RUNNING THE NYLON TUBE DISTRIBUTION LINE IT IS IMPORTANT TO CHOOSE THE SHORTEST, NEATEST PATH BETWEEN MISTING LINES AND THE PUMP MODULE TO LIMIT PRESSURE LOSS DUE TO PIPE FRICTION.

IF IN DOUBT AS TO THE PRESSURE DROP IN LONG PIPE RUNS YOU ARE BETTER TO UPSIZE THE TUBING FROM 3/8" TO 1/2" TO HELP AVOID POOR QUALITY MIST AT THE NOZZLE. IT IS IMPORTANT NOT TO ALLOW THE TUBE TO COME INTO CONTACT WITH SHARP EDGES WHERE A CHAFING OF THE TUBING CAN OCCUR.

THE DISTRIBUTION LINE IS NORMALLY SADDLED TO THE BUILDING FRAME USING THE SUPPLIED NYLON INSERT TUBE SADDLES. CABLE TIES CAN ALSO BE USED WHEN FOLLOWING AIRLINES OR STAINLESS STEEL CABLES.

IT IS IMPORTANT TO USE SUFFICIENT TUBE SADDLES SO THAT THE TUBE WILL NOT VIBRATE OR SAG.

DO NOT ATTACH THE TUBING TO STEAM PIPES OR CLOSE PROXIMITY AS THE HEAT TRANSMITTED WILL DAMAGE THE NYLON TUBING.

WHEN CHANGING THE DIRECTION OF THE TUBE DO NOT BEND THE TUBE TOO SHARPLY. THIS COULD CAUSE THE TUBE TO KINK AND BREAK. IF IT IS NOT POSSIBLE TO LEAVE A RADIUS BEND IN THE TUBE USE A PUSH LOCK ELBOW.

WHEN CUTTING THE TUBE IT IS IMPORTANT TO USE TUBE CUTTERS. NEVER CUT NYLON TUBE USING A HACKSAW AS THE FILINGS WILL END UP IN THE TUBE AND WORK THEIR WAY INTO THE NOZZLES CAUSING BLOCKAGES.

BE SURE TO KEEP THE INSIDE OF THE TUBING CLEAN FROM EXCESS DIRT. IF DIRT ENTERS THE TUBING IT WILL NEED TO BE FLUSHED OUT PRIOR TO ALL OF THE NOZZLES ARE INSTALLED.

STARTING AND FLUSHING THE SYSTEM

FLUSHING THE SYSTEM

·THE PUMP SHOULD BE CONNECTED TO BOTH THE INLET WATER SUPPLY AND THE DISTRIBUTION LINES. DISTRIBU□ON LINES SHOULD BE CONNECTED TO THE MISTING LINES.

·IN LARGE SYSTEMS WITH MULTIPLE LINES OR LONG LENGTHS, WATER MAY NOT RUN OUT OF EACH LINE WHEN THE PUMP IS TURNED ON. GENERALLY, THE LINES CLOSEST TO THE PUMP WILL PROVIDE THE MOST WATER WHILE THE LINE FURTHEST AWAY WILL PROVIDE THE LEAST OR NONE AT ALL.

·REMOVE THE LAST NOZZLE IN EACH OF THE MISTING LINES AND TURN THE PUMP ON. RUN AT LEAST ONE BUCKET FULL OF WATER FROM EACH MIST LINE, STARTING AT THE CLOSEST LINE TO THE PUMP.

·IN LARGE SYSTEMS YOU MAY NEED TO FLUSH THE LINE THEN STOP THE PUMP, CLOSE THE BALL VALVE TO THAT LINE THEN FIT THE NOZZLE INTO THE END FITTING BEFORE MOVING ON TO THE NEXT MISTING LINE.

·CONTINUE THIS PROCESS, WORKING AWAY FROM THE PUMP MODULE. BY DOING THIS THE WATER WILL BE FORCED THROUGH THE COMPLETE SYSTEM, EVENTUALLY RUNNING WATER THROUGH ALL OF THE LINES AND FLUSHING THE SYSTEM COMPLETELY.

·MAKE SURE TO CHECK THE LINES THOROUGHLY FOR LEAKS AS YOU MOVE ALONG.

·WHEN ALL OF THE LINES HAVE BEEN FLUSHED AND NOZLES FITTED THE BALL VALVES CAN BE OPENED. SWITCH THE PUMP ON AND MIST WILL BE PRODUCED BY THE NOZZLES AND THE PRESSURE IN THE LINES INCREASES. THE PUMP MODULE CAN NOW BE LEFT TURNED ON.

COMMISSIONING THE SYSTEM

·WITH ALL OF THE BALL VALVES OPEN AND THE PUMP ON THE OPERATING PRESSURE NEEDS TO BE SET AT 1,000PSI.

·IF THE PRESSURE IS ABOVE OR BELOW 1,000PSI THE UNLOADER VALVE WILL NEED TO BE ADJUSTED.

·TURN THE PUMP OFF. UNDO THE SIDE LATCHES AND OPEN THE LID. THE UNLOADER VALVE IS THE BLACK SPRING LOCATED ON THE BRASS PUMP HEAD AT THE RIGHT END OF THE MODULE.

·IF THE PRESSURE IS BELOW 1,000PSI TURN THE KNURLED NUT/SPRING IN A CLOCKWISE DIRECTION X 1/4 TURN.

·IF THE PRESSURE IS ABOVE 1,000PSI TURN THE KNURLED NUT/SPRING IN AN ANTI-CLOCKWISE DIRECTION X 1/4 TURN.

·RESTART THE PUMP AND CHECK THE PRESSURE AT THE GAUGE.

OIL CHANGE AFTER FIRST 50 HOURS THEN 250 HOUR INTERVALS

FILTER CARTRIDGES

FILTER CARTRIDGE LIFE WILL DEPEND ON THE QUALITY OF THE WATER RUNNING THROUGH THEM.
REGARDLESS OF THE CONDITION OF THE CARTRIDGE, THEY SHOULD BE CHANGED AT LEAST AT THE START OF EVERY SUMMER. DIRTY FILTERS WILL RESTRICT WATER FLOW TO THE PUMP. CHECKING THE PRESSURE ON THE LOW-PRESSURE GAUGE PERIODICALLY WILL HELP DETERMINE THE FILTERS CONDITION.
BLOCKED FILTER CARTRIDGES ARE A MAJOR CAUSE OF PUMP SHUT DOWN. SHOULD YOUR PUMP MODULE SHUT DOWN FOR NO APPARENT REASON THE FIRST THING TO LOOK AT IS THE LOW PRES-SURE WATER GAUGE ON THE END OF THE PUMP MODULE. IF THE READING IS BELOW 20PSI YOU SHOULD REPLACE THE CARTRIDGES.
TO REPLACE THE CARTRIDGE PLACE THE SUPPLIED PLASTIC SPANNER OVER THE FILTER HOUSING AND UNDO. YOU WILL NEED A 5 MICRON AND 10 MICRON 250MM SEDIMENT CARTRIDGE.
LOOKING AT THE BACK OF THE PUMP MODULE THE FILTER HOUSING ON THE LE□ HAND SIDE HOUSES THE 10-MICRON CARTRIDGE. THE 5-MICRON CARTRIDGE GOES INTO THE REAR RIGHT-HAND HOUSING.
AFTER REMOVING THE PACKAGING CENTRE THE CARTRIDGES INSIDE THE HOUSINGS AND RE-TIGHTEN.

OIL CHANGES

·BEFORE STARTING MAKE SURE YOU HAVE AT LEAST 300ML OF FULLY SYNTHETIC 10W-40 OIL.

·LIFT THE PUMP, THE DRAIN PORT IS ON THE UNDERSIDE OF THE BLUE SECTION OF THE PUMP. FIT A CONTAINER UNDER THE PUMP HEAD AND REMOVE THE PLUG. DON'T FORGET TO REMOVE THE FILL CAP FROM THE TOP OF THE PUMP.

·WHEN THE OLD OIL HAS ALL DRAINED, REPLACE THE DRAIN PLUG.

·VERY SLOWLY, POUR IN THE NEW OIL INTO THE OIL CYLINDER STOPPING FREQUENTLY TO LET THE OIL RUN THROUGH THE CRANKCASE. FILL UNTIL THE OIL REACHES HALFWAY UP THE CYLINDER. REFIT THE CAP AND SCREW ON TIGHTLY.

NOZZLE BLOCKAGES

OCCASIONALLY MISTING NOZZLES WILL BLOCK. NOZZLES CAN BE EASILY REMOVED AND IN MOST CASES CLEANED OR REPLACED. TO CLEAN SUBMERGE NOZZLES IN CLR CLEAR, WASH AND REPLACE.
THE CORRECT SPRAY PATTERN OF OUR NOZZLES IS A SPHERICAL SHAPE THAT IS 50MM ACROSS AT 50MM BELOW THE NOZZLE FACE. AN INCORRECT PATTERN CAN MEAN THAT DRIPPING WILL OCCUR AND THE NOZZLE SHOULD BE CLEANED OR REPLACED.

PUMP WILL NOT START	-THE SWITCH IS NOT TURNED ON. THE SWITCH WILL GLOW RED WHEN THE PUMP HAS POWER -CHECK THE POWER SUPPLY AT THE CIRCUIT BOARD -CHECK THAT THERE IS SUFFICIENT WATER SUPPLY TO THE PUMP -POWER SUPPLY CIRCUIT COULD BE OVERLOADED
WATER SUPPLY HAS DROPPED OUTSIDE THE RANGE REQUIRED BY THE LOW-PRESSURE SWITCH	-WATER SUPPLY TO THE PUMP MAY BE INADEQUATE. CHECK SUPPLY LINE INLET WATER PRESSURE -CHECK THE CONDITION OF WATER FILTERS. FILTER CARTRIDGES MAY BE BLOCKED AND NEED REPLACING. -A FLUCTUATING WATER SUPPLY WILL CAUSE THE PUMP TO 'CHATTER' AS THE LOW-PRESSURE INLET VALVE STOPS AND STARTS. THIS CAN CAUSE THE OVERLOAD TO TRIP.
WATER FILTER CARTRIDGE IS LEAKING WATER	-O-RING BETWEEN THE HOUSING AND THE BASE IS NOT SEALED. REMOVE THE HOUSING AND ASSESS FOR CRACKS AND CHECK THE O-RING FOR DAMAGE. RESET O-RING AND RE-INSTALL CAREFULLY.
PUMP CANNOT REACH OPERATING PRESSURE	-ADJUST THE UN-LOADER VALVE SPRING ON THE SIDE OF THE PUMP HEAD, AS PER PREVIOUS INSTRUCTIONS. -CHECK THE INCOMING WATER PRESSURE ON THE LOW-PRESSURE GAUGE. -INTERNAL SEALS ARE DAMAGED AND NEED TO BE REPLACED AND PUMP NEEDS SERVICING. -INTERNAL CHECK VALVE IS STUCK OPEN AND NEEDS TO BE CLEANED OR REPLACED. -TOO MANY NOZZLES IN THE SYSTEM. -CHECK THAT THERE ARE NOT LEAKS IN THE PIPEWORK BETWEEN THE PUMP AND END OF THE SYSTEM.

CONTACT DETAILS
ENQUIRIES@OZMIST.COM.AU - 1300 306 478

OZMIST

LIMITED WARRANTY AGAINST DEFECTS POLICY

THIS DOCUMENT SETS THE LIMITED WARRANTY AGAINST DEFECTS FOR CERTAIN PRODUCTS MANUFACTURED BY OZ MIST PTY LTD ACN 096 811 488 (REFERRED TO IN THESE TERMS AND CONDITIONS AS 'OZMIST', 'WE', 'US', OR 'OUR'). A PERSON OR ORGANISATION WHO HAS PURCHASED AN OZMIST PRODUCT WILL BE REFERRED TO IN THIS DOCUMENT AS 'YOU' OR 'YOUR'.

OZMIST WARRANTS THAT THE PRODUCTS THAT IT SELLS DIRECTLY TO YOU ARE FREE FROM DEFECTS IN WORKMANSHIP. OUR PRODUCTS ARE PUT THROUGH TESTS AND INSPECTIONS BEFORE THEY ARE SOLD TO YOU. IF WITHIN THE WARRANTY PERIOD DEFINED BELOW, YOU BELIEVE A PRODUCT YOU HAVE PURCHASED FROM US DOES NOT COMPLY WITH THIS WARRANTY, THEN YOU MUST FOLLOW THE PROCESS SET OUT IN THIS WARRANTY DOCUMENT.

1. AUSTRALIAN CONSUMER LAW DISCLAIMER

OUR GOODS AND SERVICES COME WITH GUARANTEES THAT CANNOT BE EXCLUDED UNDER THE AUSTRALIAN CONSUMER LAW. YOU ARE ENTITLED TO A REPLACEMENT OR REFUND FOR A MAJOR FAILURE AND COMPENSATION FOR ANY OTHER REASONABLY FORESEEABLE LOSS OR DAMAGE. YOU ARE ALSO ENTITLED TO HAVE THE GOODS REPAIRED OR REPLACED IF THE GOODS FAIL TO BE OF ACCEPTABLE QUALITY AND THE FAILURE DOES NOT AMOUNT TO A MAJOR FAILURE.
THIS WARRANTY IS IN ADDITION TO YOUR RIGHTS UNDER THE AUSTRALIAN CONSUMER LAW.

2. WHAT THE WARRANTY COVERS

THIS WARRANTY APPLIES:
1. TO ANY OZMIST PRODUCTS, INCLUDING PARTS OF A PRODUCT, EXCEPT AS EXCLUDED IN CLAUSE 3 (PRODUCT);
AND
2. FOR 1 YEAR FROM THE DATE YOU PURCHASED THE PRODUCT FROM US (WARRANTY PERIOD).

3. EXCLUSIONS

THIS WARRANTY DOES NOT COVER ANY LABOUR TAKEN TO ASSESS OR CONSUMABLES, INCLUDING BUT NOT LIMITED TO NOZZLES, PUMPS, INTERNAL SEALS, WATER FILTERS, NYLON TUBES AND SIMILAR COMPONENTS OF A PRODUCT.
THIS WARRANTY ALSO DOES NOT COVER ANY DEFECT WHICH IS A RESULT OF YOUR OR ANOTHER PARTY'S FAULT, INCLUDING BUT NOT LIMITED TO:
-FAILURE TO PROPERLY INSTALL THE PRODUCT IN ACCORDANCE WITH OUR INSTRUCTION MANUALS;

-FAILURE TO USE THE PRODUCTS IN ACCORDANCE WITH OUR INSTRUCTION MANUALS;

-EXPOSURE TO CONDITIONS DUE TO THE MANNER IN WHICH THE PRODUCT IS INSTALLED, USED OR STORED;

-POWER SUPPLY ISSUES THAT AFFECT THE INSTALLATION OR USE OF THE PRODUCT;

-FAILURE TO STORE THE PRODUCT IN A SECURE FACILITY;

-MODIFICATION OR MISUSE OF THE PRODUCT;

-REGULAR WEAR AND TEAR;

CONTACT DETAILS

ENQUIRIES@OZMIST.COM.AU - 1300 306 478

4. HOW TO MAKE A CLAIM UNDER THIS WARRANTY

1. MAKING A CLAIM

IF WITHIN THE WARRANTY PERIOD, YOU BELIEVE THAT A PRODUCT YOU PURCHASED IS FAULTY, YOU MUST IMMEDIATELY STOP USING THE PRODUCT AND PLEASE CONTACT US BY USING THE EMAIL ADDRESS PROVIDED IN THE HEADER OF THIS WARRANTY DOCUMENT WITH FULL DETAILS OF THE FAULT (INCLUDING IMAGES).

2. FURTHER INSPECTION

IF WE DETERMINE THAT YOUR PRODUCT MAY BE DEFECTIVE, WE WILL EITHER;

1. REQUEST THAT YOU SEND YOUR PRODUCT (OR A PART OF A PRODUCT, SUCH AS THE MOTOR) BACK TO US, AT YOUR COST, FOR FURTHER INSPECTION USING OUR OWN TESTING METHODS, INCLUDING ANY REQUESTED ACCESSORIES, DOCUMENTATION OR REGISTRATION SHIPPED WITH THE PRODUCT. OR;
2. IF YOUR PRODUCT IS LOCATED WITHIN A REASONABLE DISTANCE OF OUR BUSINESS ADDRESS PROVIDED IN THE HEADER OF THIS WARRANTY DOCUMENT (PRODUCT LOCATION), WE MAY, AT OUR ABSOLUTE DISCRETION, VISIT THE PRODUCT LOCATION FOR FURTHER INSPECTION OR TO PICK UP THE PRODUCT FOR REPAIRS, WITHIN A REASONABLE TIME NOTIFIED BY US TO YOU. IF WE CHOOSE TO DO THIS, WE WILL COMMUNICATE TO YOU THE DATE/S AND TIME/S WE WILL TRAVEL TO THE PRODUCT LOCATION AND YOU MUST ENSURE THAT YOU OR A REPRESENTATIVE IS AVAILABLE AT THOSE DATES AND TIMES.

3. AFTER INSPECTION

IF WE DETERMINE, IN OUR ABSOLUTE DISCRETION;

1. THAT THE RELEVANT PRODUCT IS FAULTY AND COVERED BY THIS WARRANTY, WE WILL PROVIDE YOU WITH A REPAIR, REPLACEMENT OR REFUND OF THE PRODUCT AT OUR COST. OR;
2. THAT THE RELEVANT PRODUCT IS NOT FAULTY OR IS FAULTY DUE TO YOUR FAULT OR ANY EXCLUSIONS SET OUT IN CLAUSE 3, WE WILL REFUSE YOUR WARRANTY CLAIM.

4. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL EXPRESS OR IMPLIED REPRESENTATIONS AND WARRANTIES NOT EXPRESSLY STATED IN THIS WARRANTY DOCUMENT, OR IN ANY WRITTEN TERMS AND CONDITIONS ISSUED BY US, ARE EXCLUDED.

5. LIABILITY

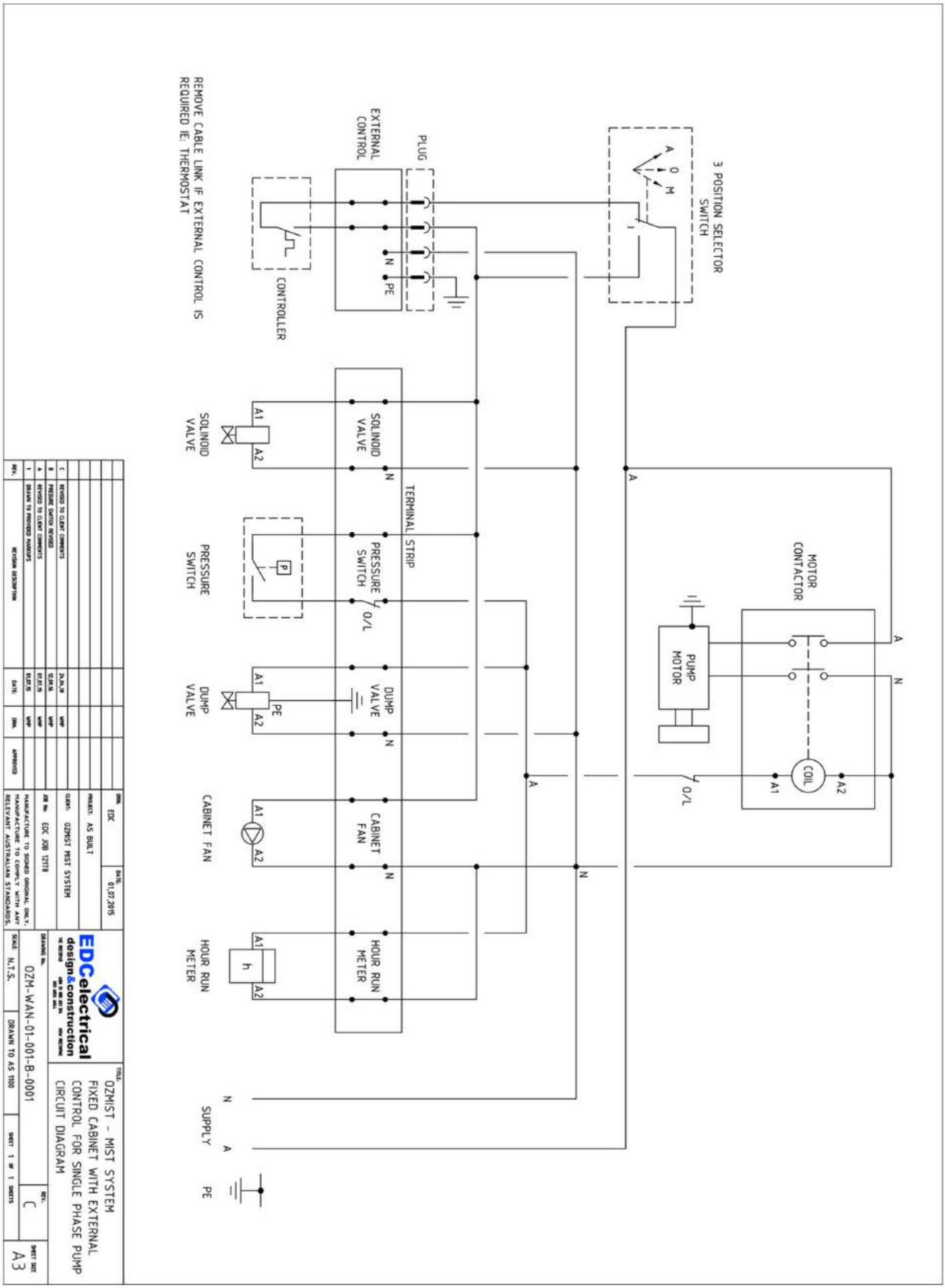
TO THE MAXIMUM EXTENT PERMITTED BY LAW, WE EXCLUDE ANY LIABILITY THAT MAY ARISE AS A RESULT OF YOU PURSUING A WARRANTY CLAIM IN ACCORDANCE WITH THIS WARRANTY DOCUMENT.

6. JURISDICTION

THIS WARRANTY DOCUMENT IS GOVERNED BY THE LAWS OF VICTORIA, AUSTRALIA.

OZmist®
TOTAL CLIMATE SOLUTIONS

WIRING DIAGRAM
OZ SINGLE PHASE PUMP MODUL



REV.	REVISION DESCRIPTION	DATE:	DRN.	APPROVED
C	REVISED TO CLIENT COMMENTS	24.04.18	WHP	
B	PRESSURE SWITCH REVISED	12.09.16	WHP	
A	REVISED TO CLIENT COMMENTS	07.07.15	WHP	
1	DRAWN TO PROVIDED HARDUPS	01.07.15	WHP	

MANUFACTURE TO SIGNED ORIGINAL ONLY
MANUFACTURE TO COMPLY WITH ANY RELEVANT AUSTRALIAN STANDARDS

DRN. EDC
DATE: 01.07.2015
PROJECT: AS BUILT
CLIENT: OZMIST MIST SYSTEM
JOB No. EDC JOB 12118

EDC electrical design & construction
ABN 21 140 651 114
NSW 183760C

DRAWING No. OZM-WAN-01-001-B-0001
SCALE N.T.S.
DRAWN TO AS 1100
SHEET 1 OF 1 SHEETS
REV. C
SHEET SIZE A3

TITLE: OZMIST - MIST SYSTEM
FIXED CABINET WITH EXTERNAL CONTROL FOR SINGLE PHASE PUMP CIRCUIT DIAGRAM

WIRING DIAGRAM
OZ THREE PHASE PUMP MODULE