Installations Guide for MT Series

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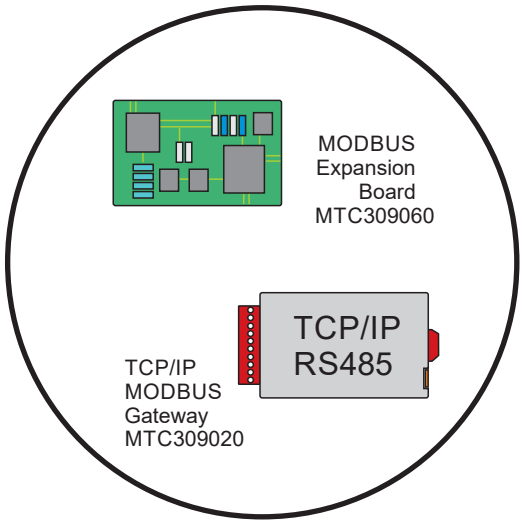
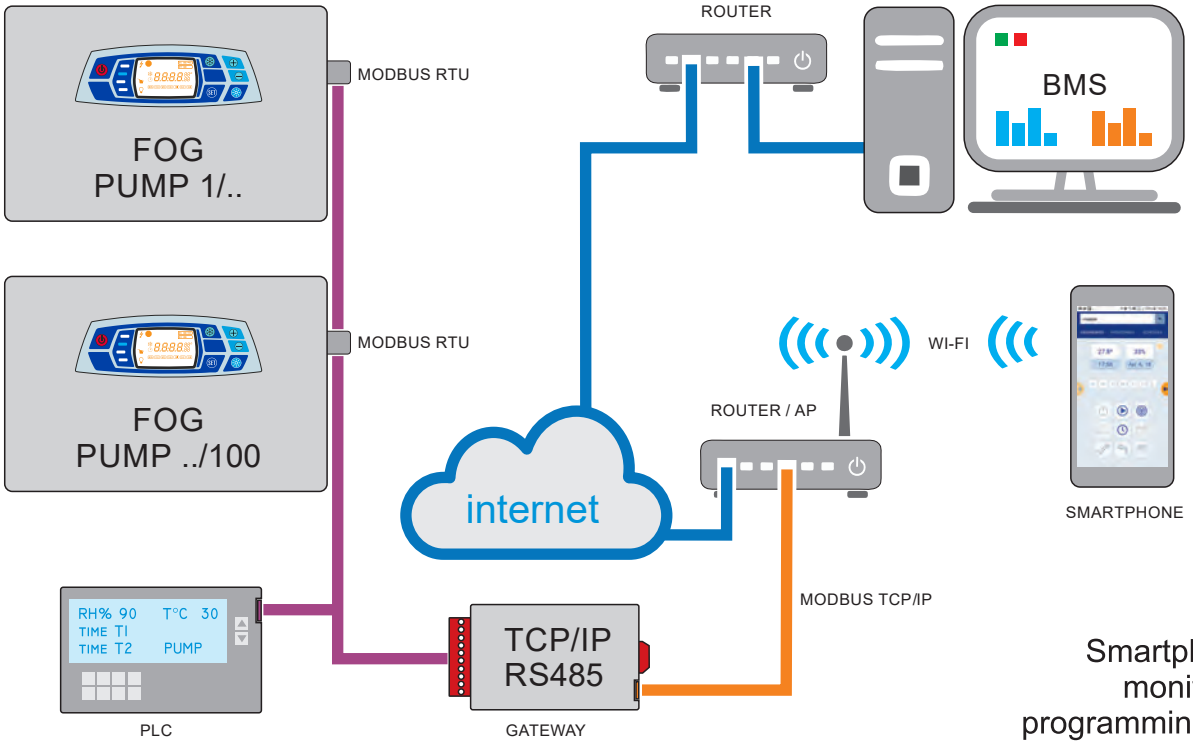
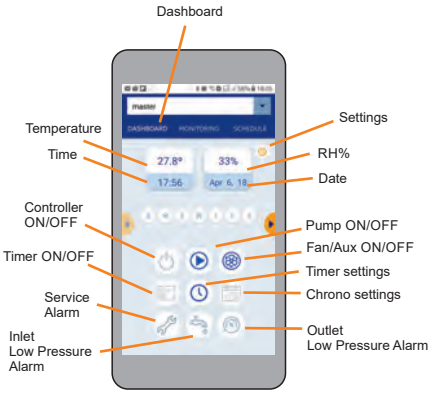
RTU and TCP/IP MODBUS protocol connectivity and interfaces layout example

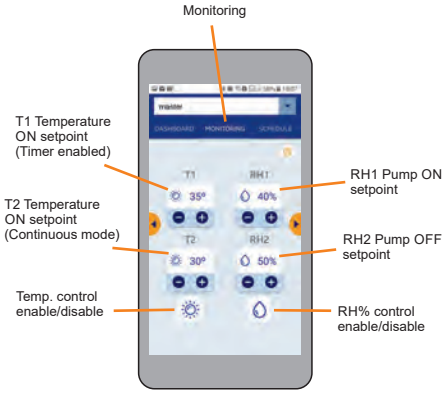
PARTS REQUIRED FOR MODBUS INTERFACE

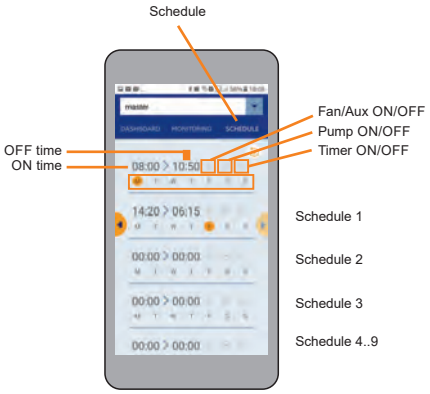




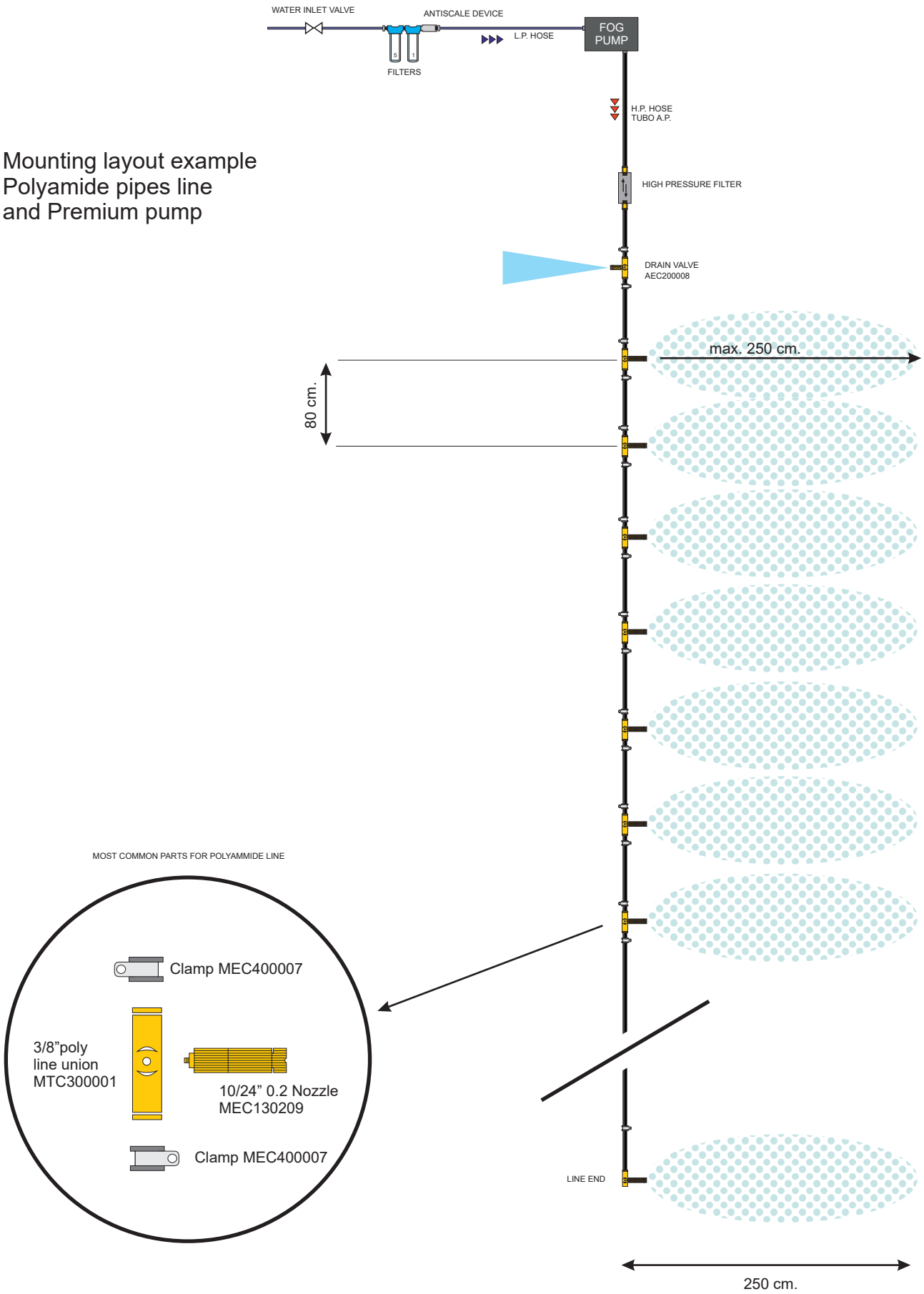
Smartphone APP monitoring and programming features







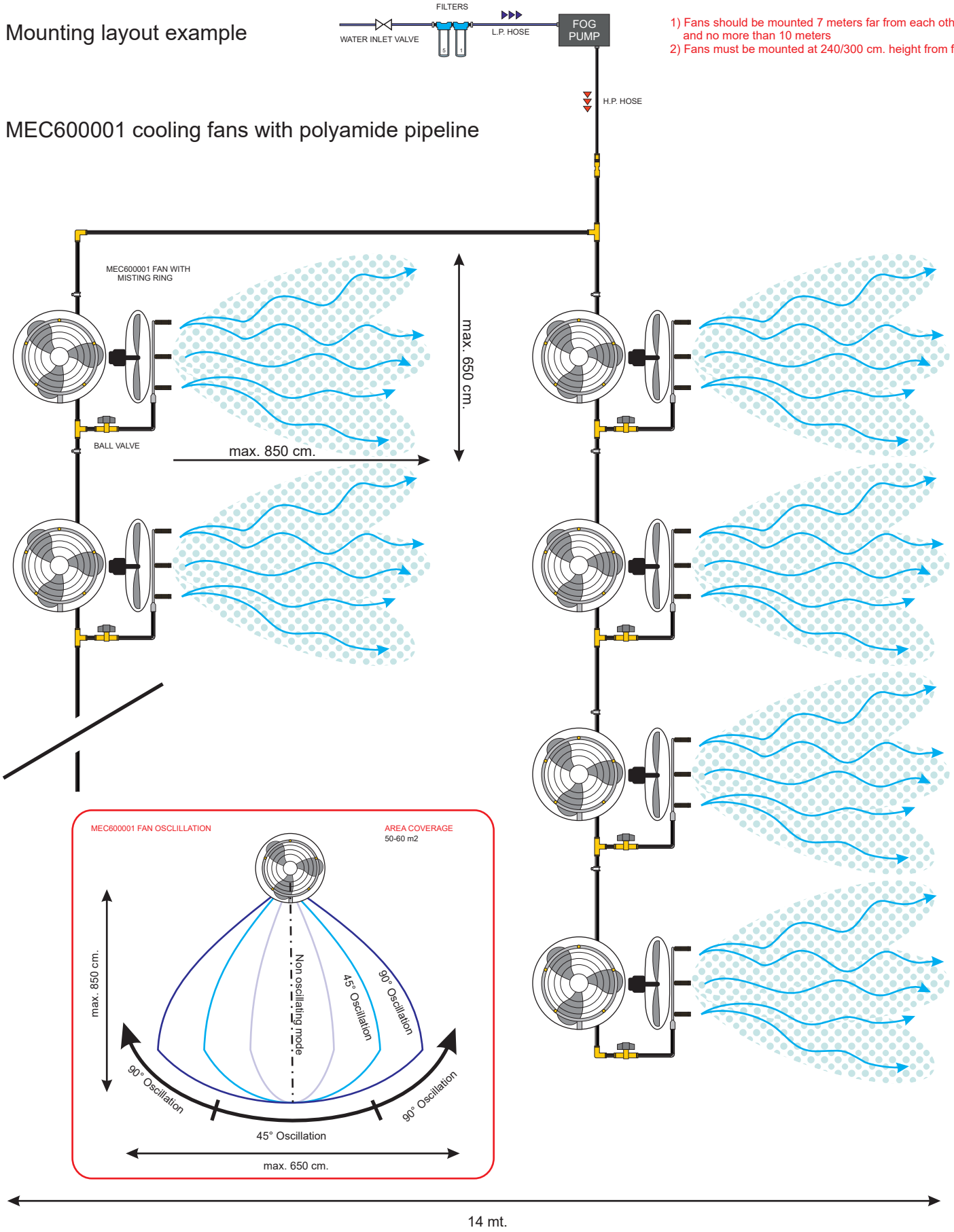
Mounting layout example
Polyamide pipes line
and Premium pump



Mounting layout example

1) Fans should be mounted 7 meters far from each other and no more than 10 meters
2) Fans must be mounted at 240/300 cm. height from floor

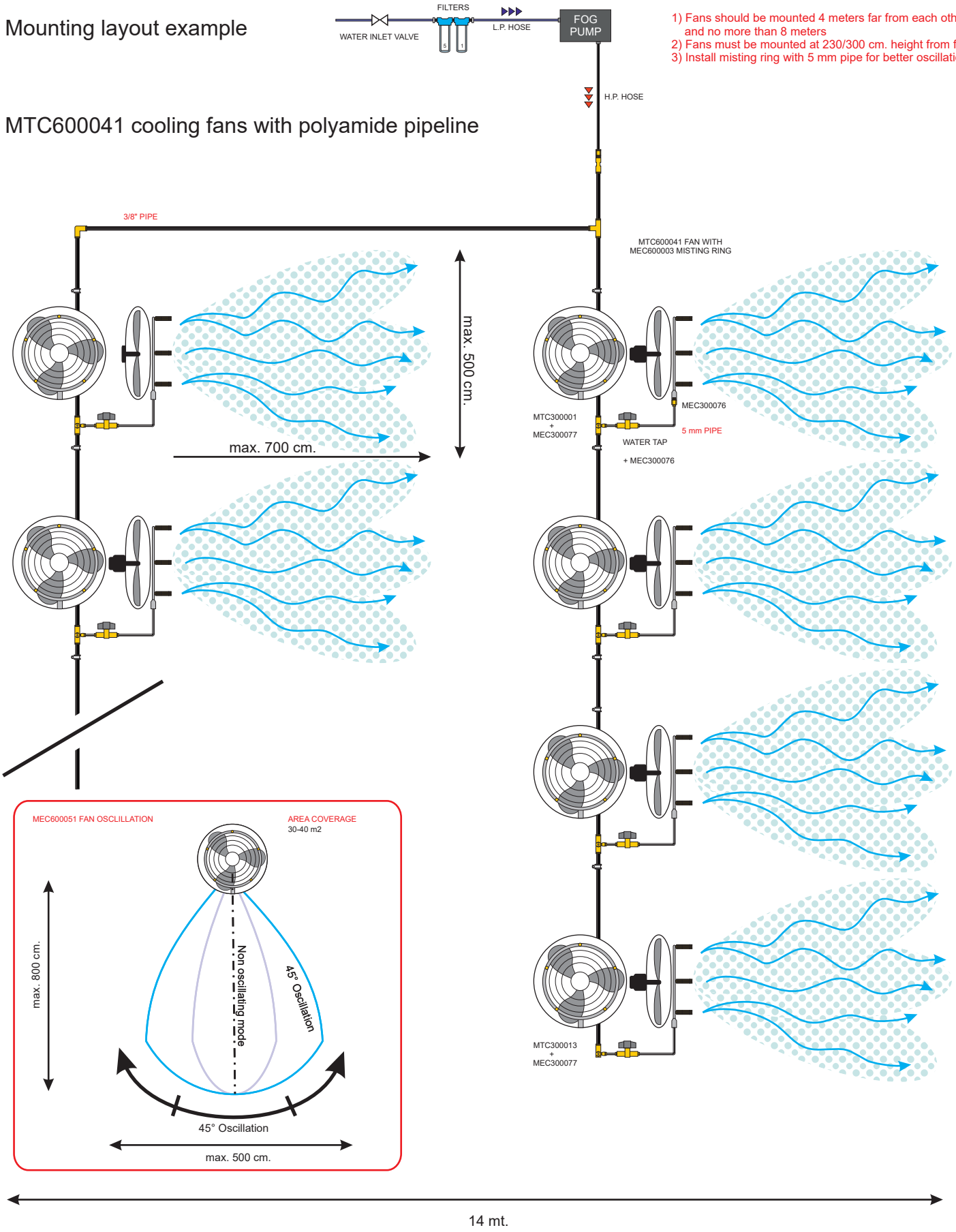
MEC600001 cooling fans with polyamide pipeline



Mounting layout example

MTC600041 cooling fans with polyamide pipeline

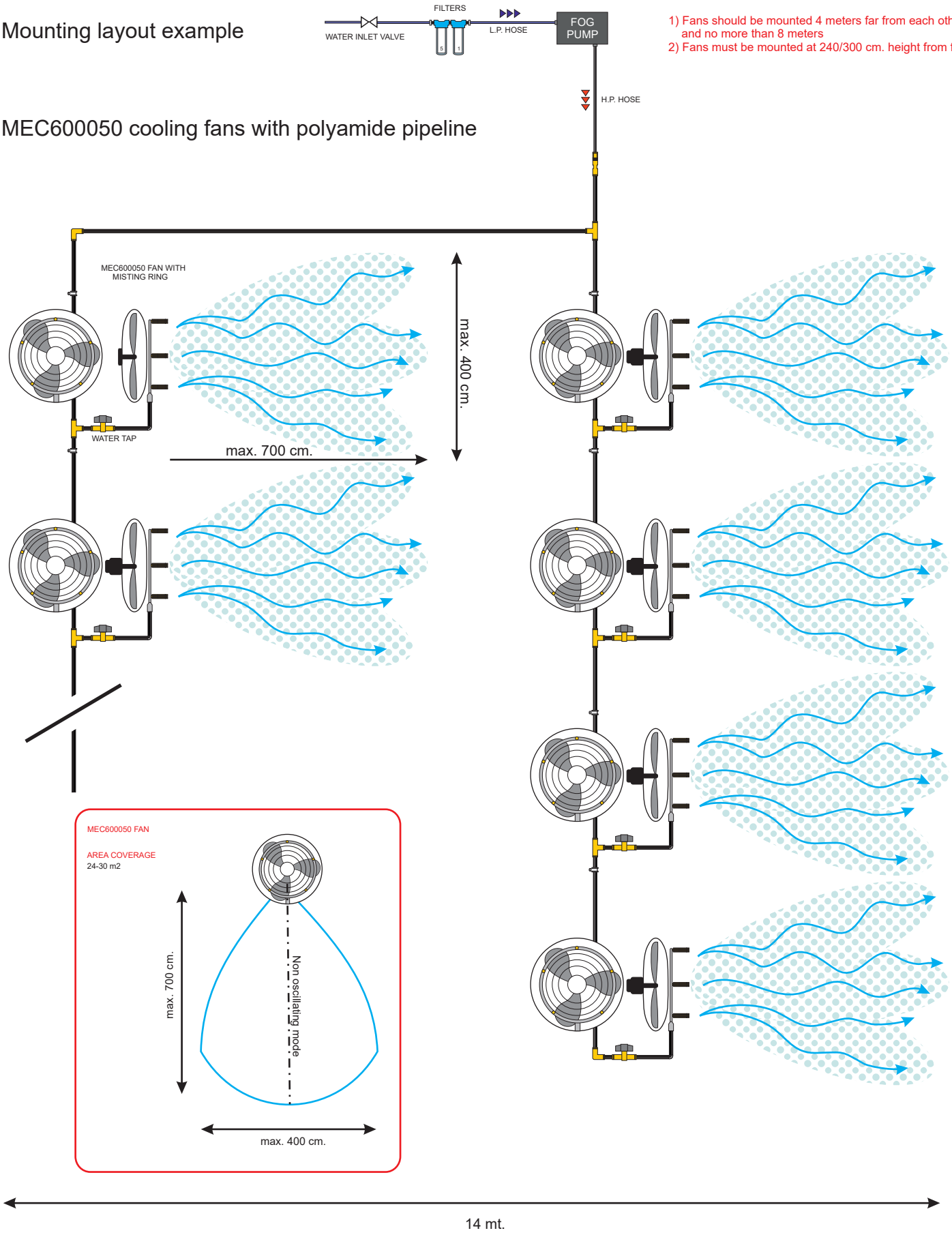
1) Fans should be mounted 4 meters far from each other and no more than 8 meters
2) Fans must be mounted at 230/300 cm. height from floor
3) Install misting ring with 5 mm pipe for better oscillation



Mounting layout example

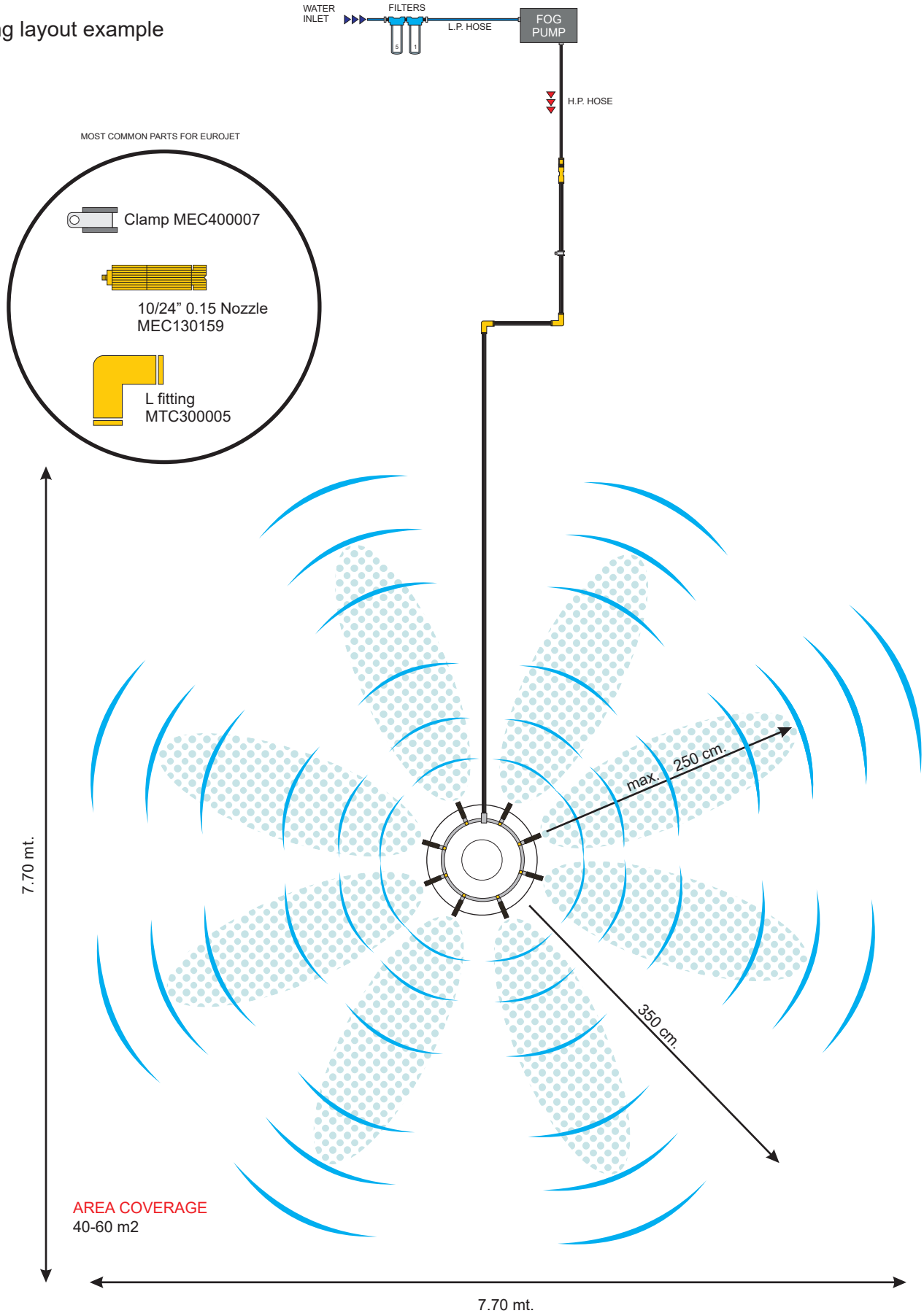
1) Fans should be mounted 4 meters far from each other and no more than 8 meters
2) Fans must be mounted at 240/300 cm. height from floor

MEC600050 cooling fans with polyamide pipeline



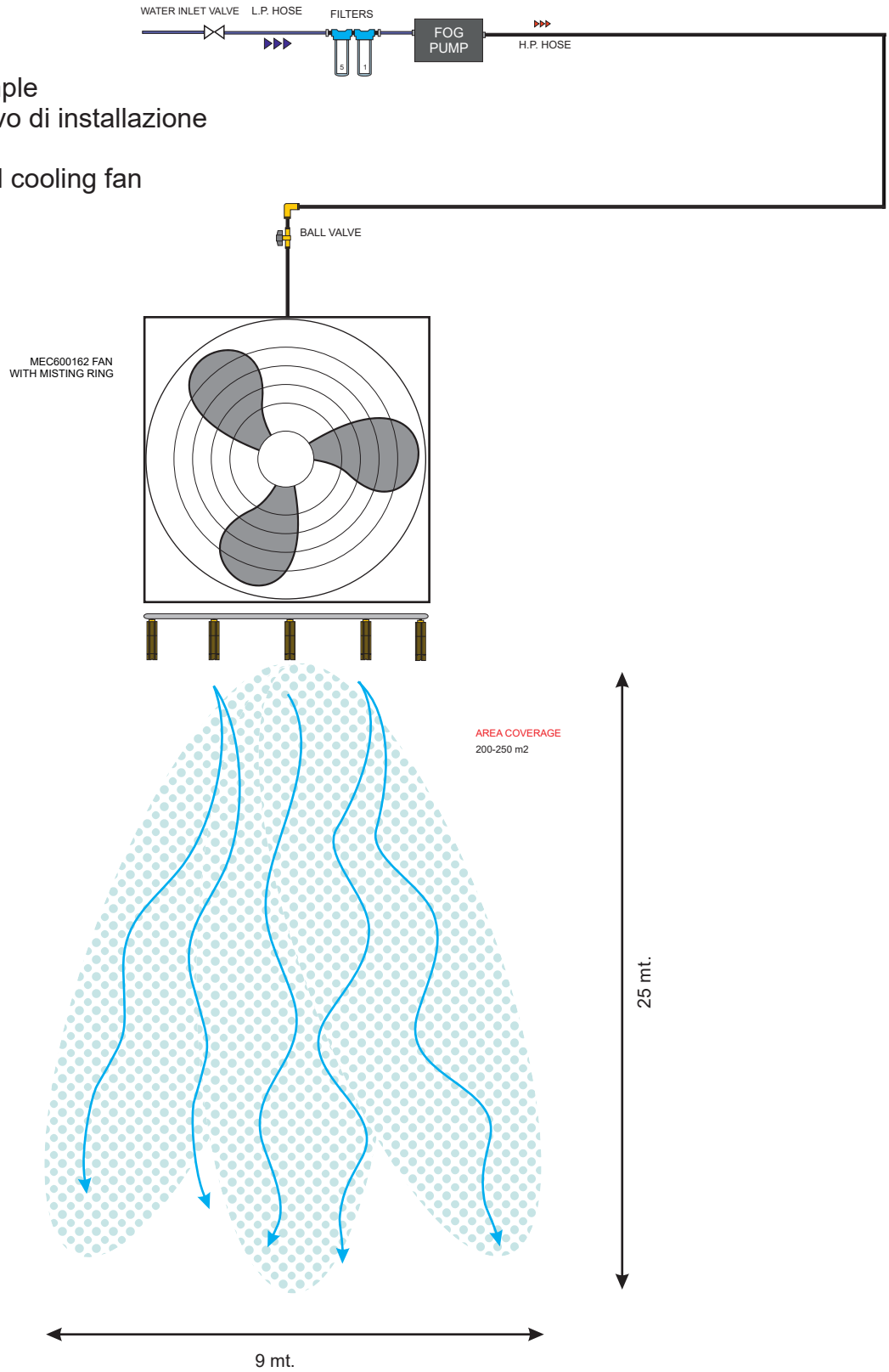
Mounting layout example

EuroJet



Mounting layout example
Schema esemplificativo di installazione

MEC600162 industrial cooling fan

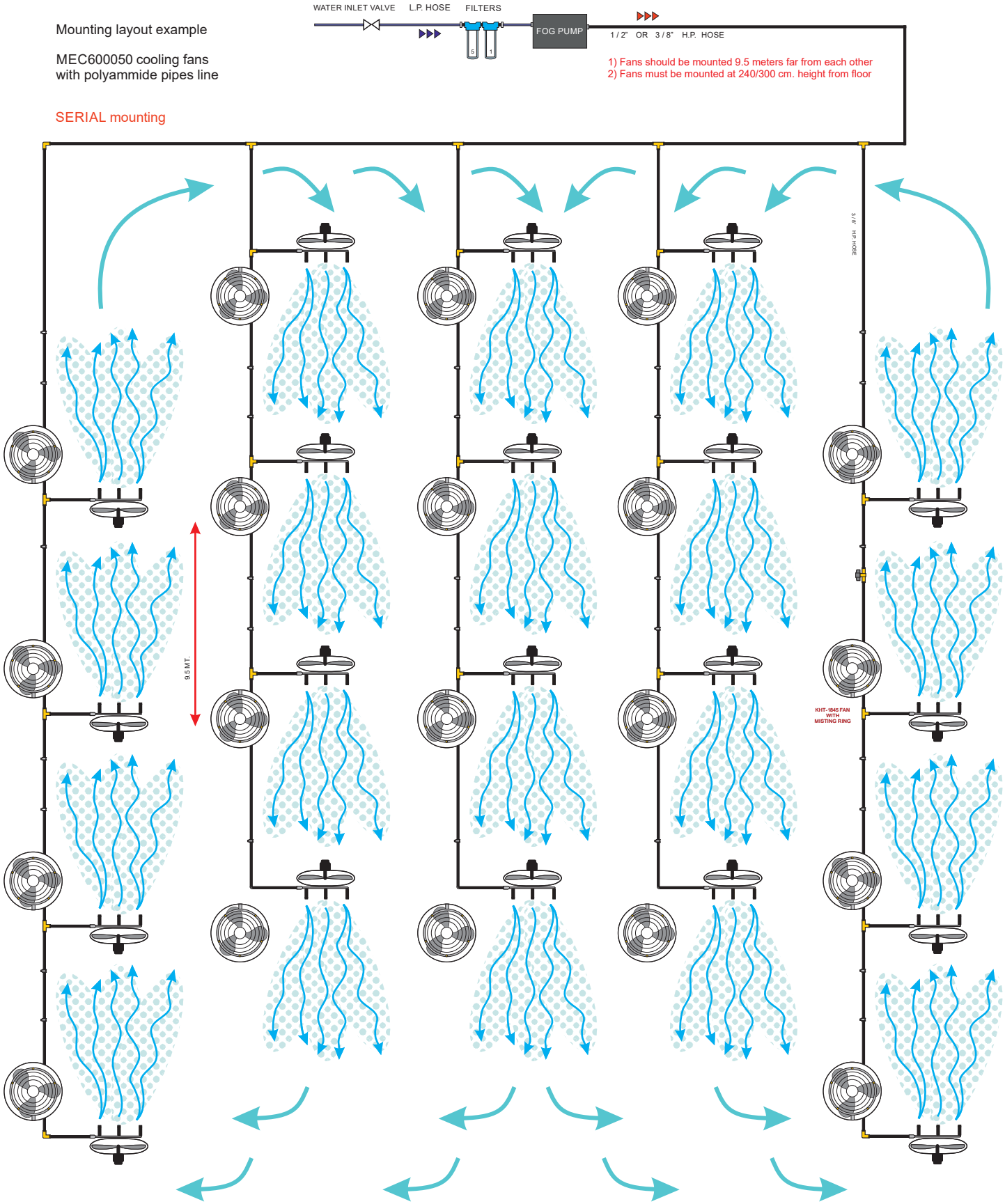


1) Fans should be mounted 25 meters far from each other
2) Fans must be mounted at 450 or more cm. height from floor

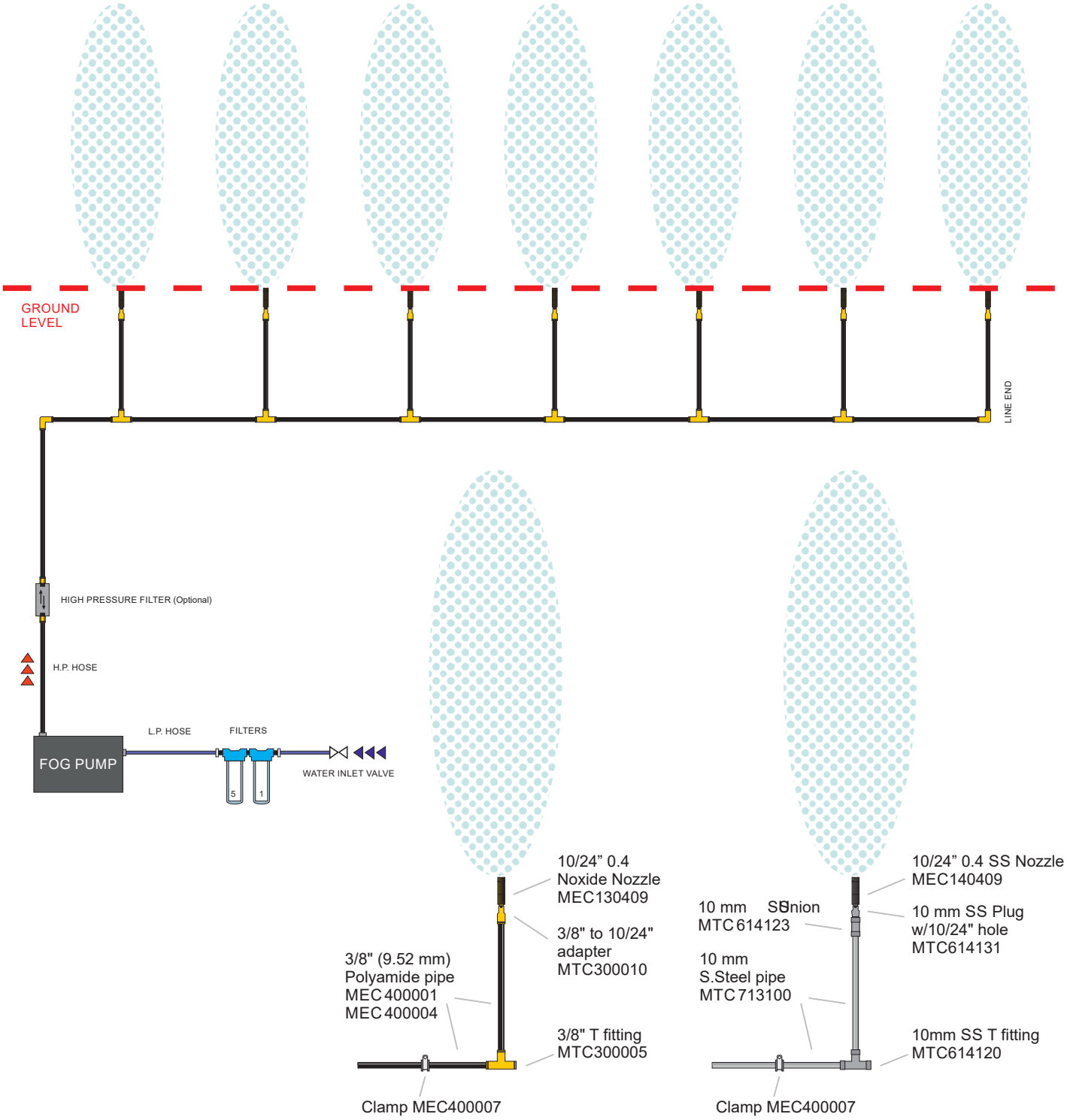
Mounting layout example

MEC600050 cooling fans
with polyammide pipes line

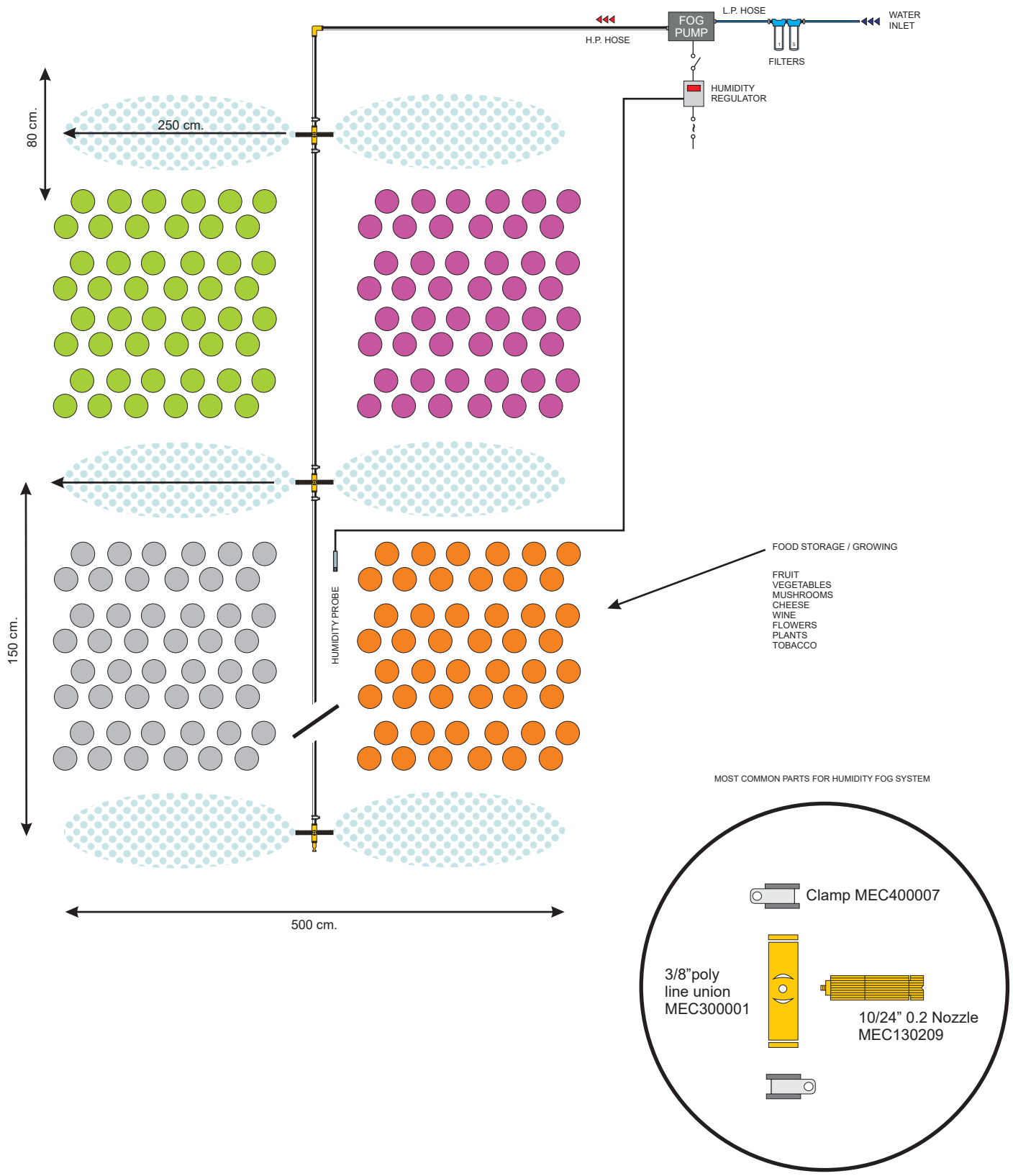
SERIAL mounting



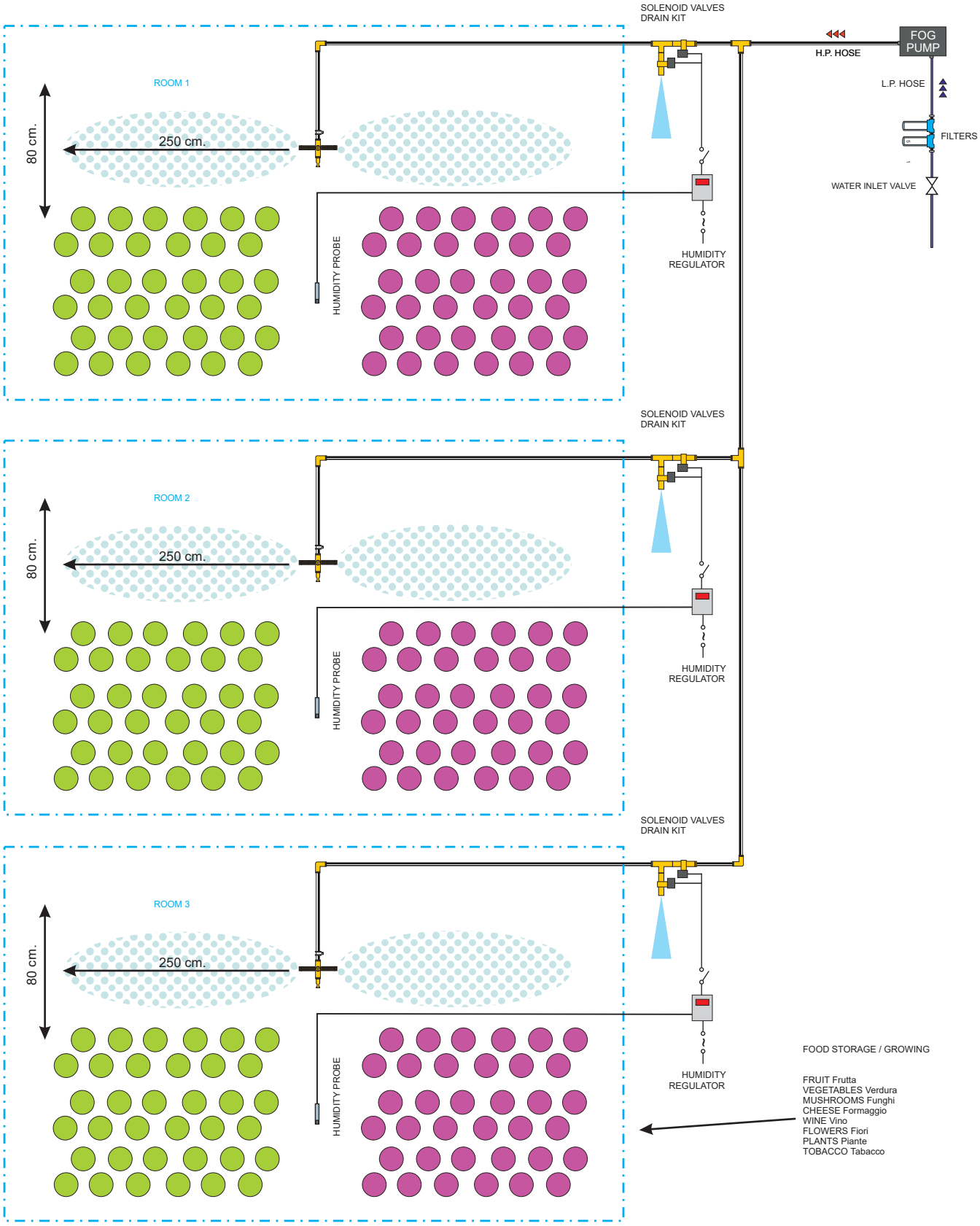
Mounting layout example
Fountain with single nozzles



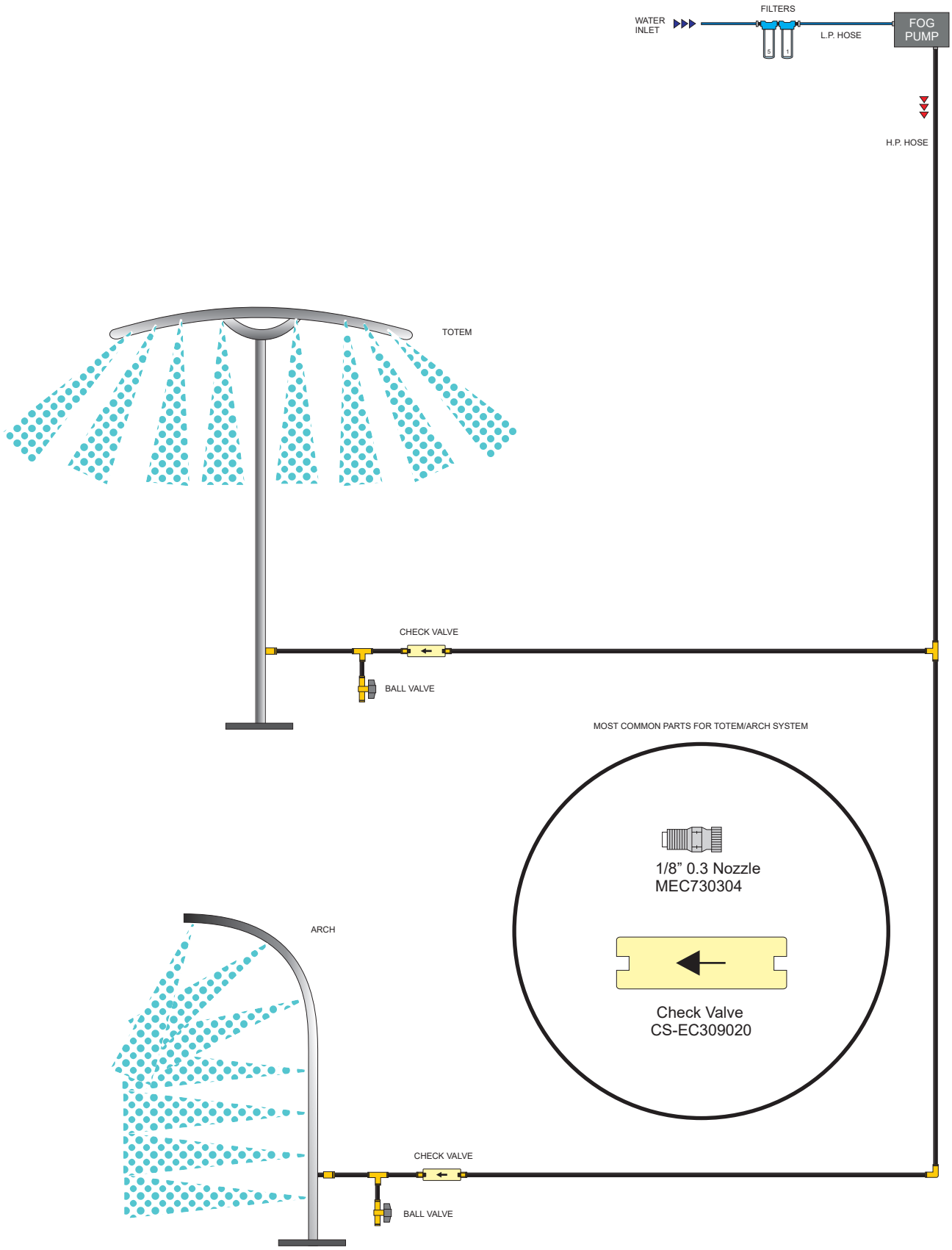
Mounting layout example
Humidification polyammide pipes line
Requires: TIME + Humidity Controller or HT pump



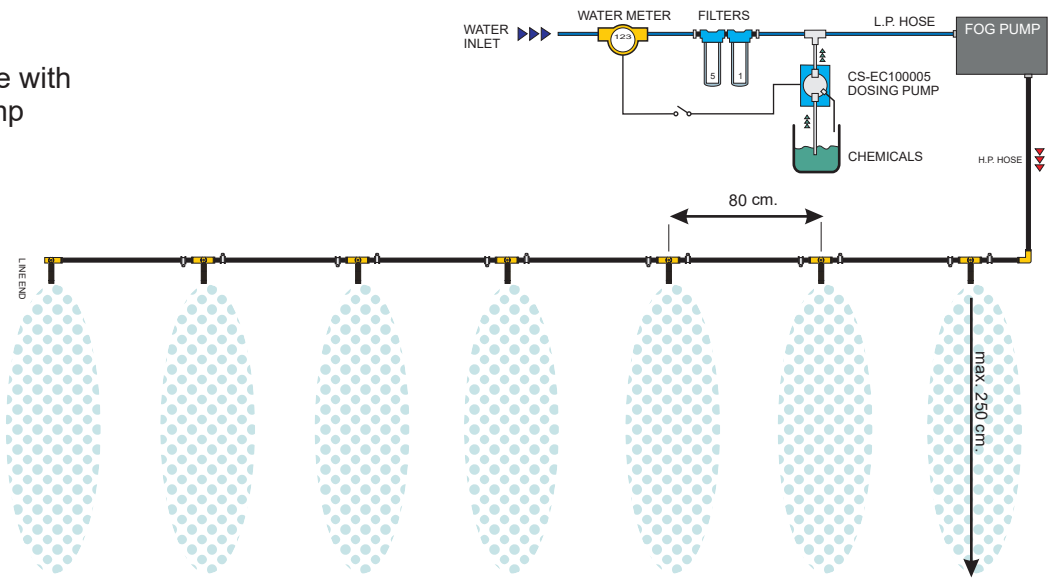
Mounting layout example with multiple humidification polyamide pipelines
Requires: VAR pump + Humidity Controllers



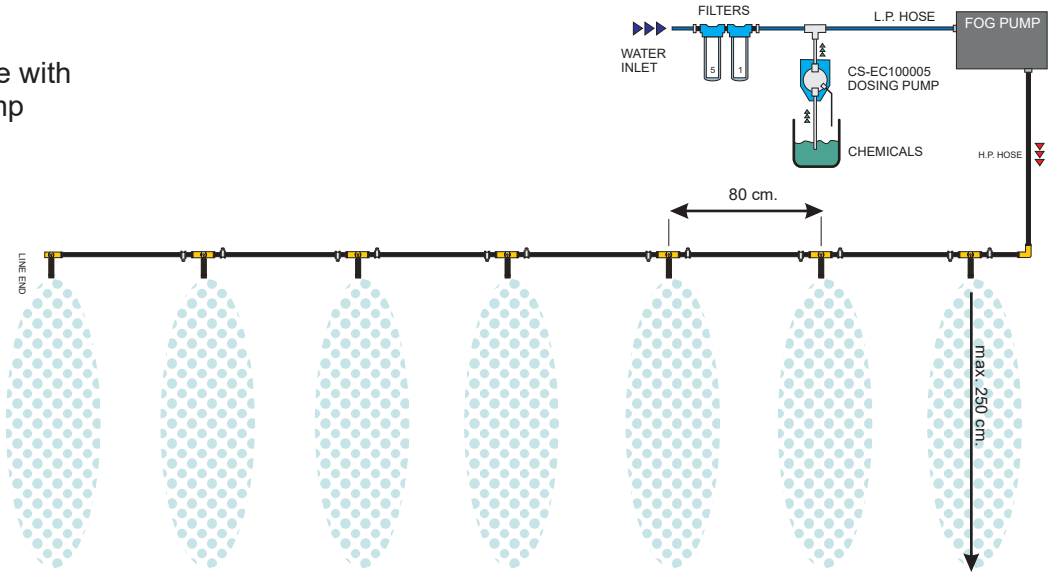
Mounting layout example
Totem and Arch



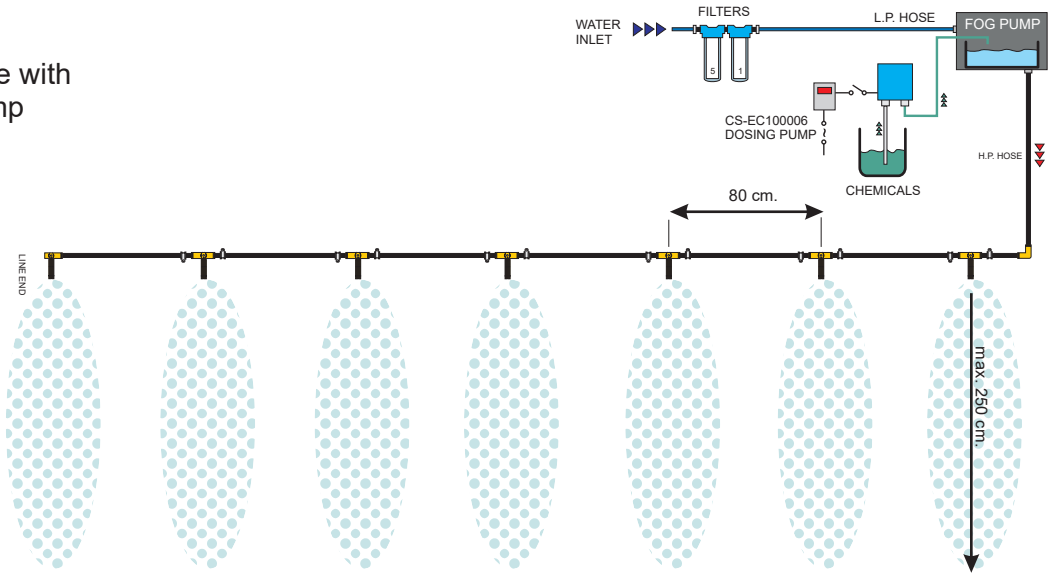
Mounting layout example with MEC100004 dosing pump



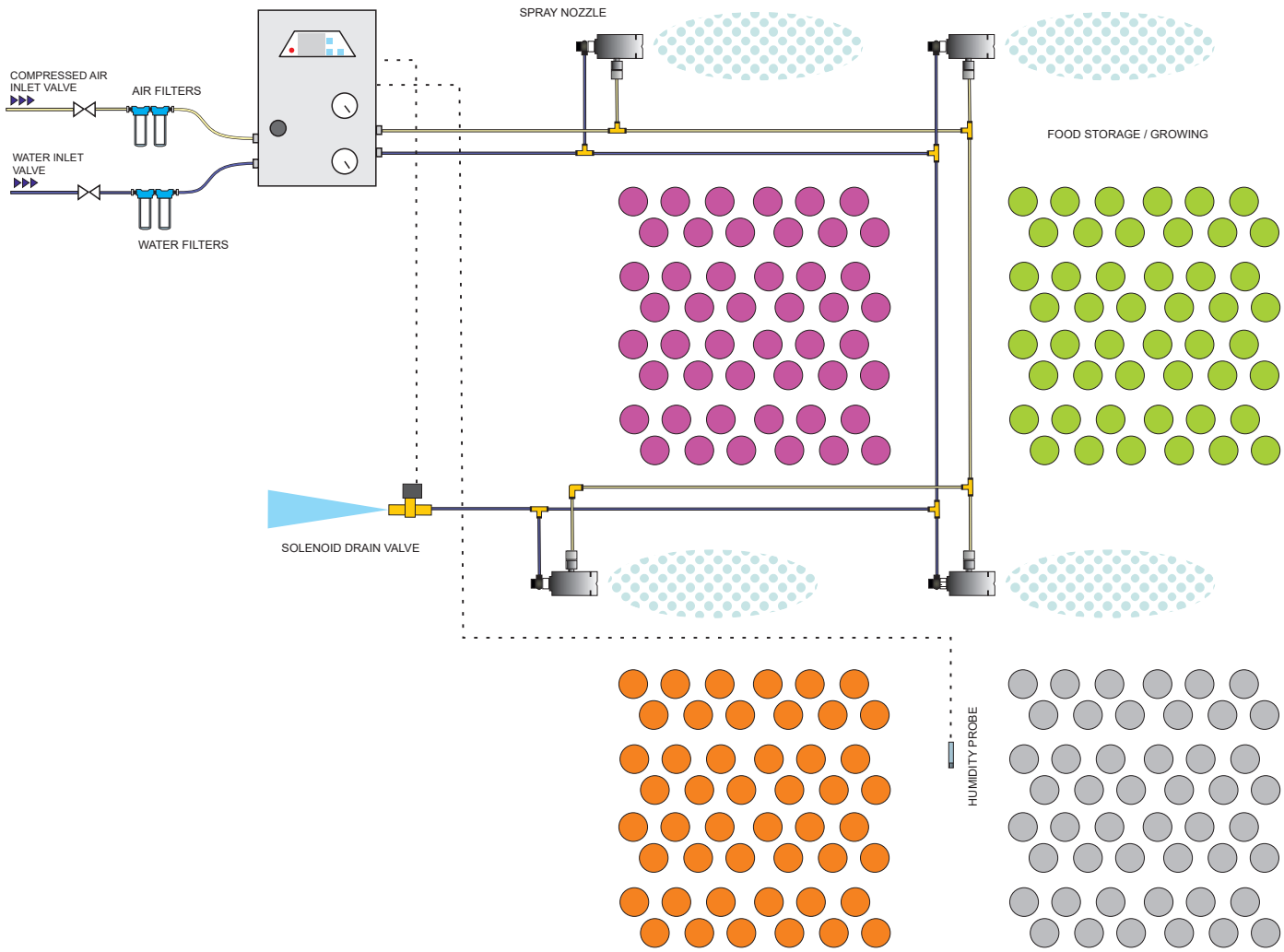
Mounting layout example with MEC100005 dosing pump



Mounting layout example with MEC100006 dosing pump



Mounting layout example
AIRMIST humidification system
Air/Water humidifier + Humidity Probe required



MOST COMMON PARTS FOR HUMIDITY FOG SYSTEM

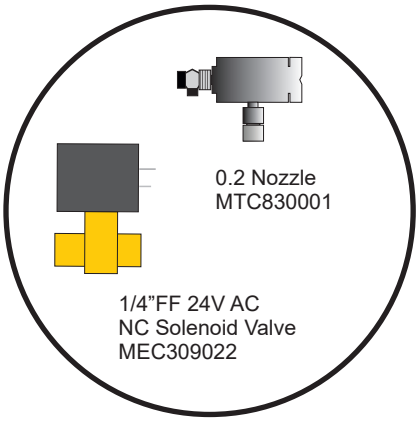


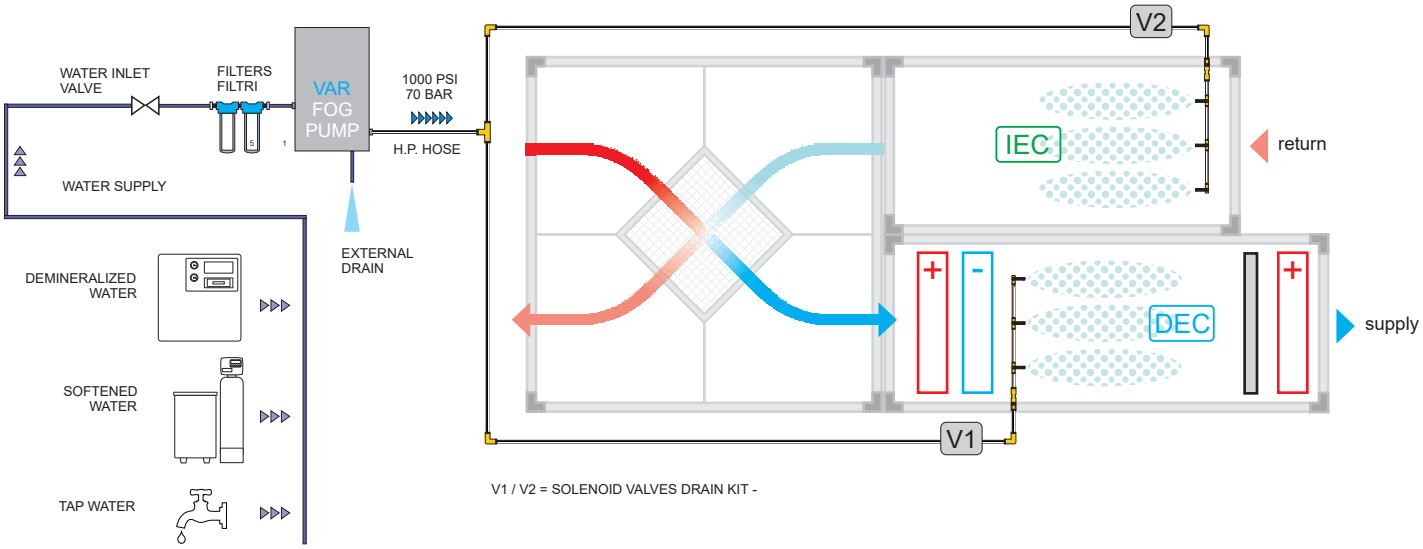
Table: Flow rate (LPM) (GPH)versus operating pressure (BAR) (PSI) w ith HR-NOZZLE2

Water pressure BAR / PSI	Air pressure BAR/PSI	2/29	3/43.5	4/58	5/72.5	6/87
2 / 29	LPM	0,075	0,057	0,025	0,013	0,005
2 / 29	GPH	1,189	0,903	0,396	0,206	0,079
3 / 43.5	LPM	0,090	0,075	0,052	0,027	0,010
3 / 43.5	GPH	1,427	1,189	0,824	0,428	0,159
4 / 58	LPM	0,118	0,110	0,094	0,078	0,058
4 / 58	GPH	1,870	1,744	1,490	1,236	0,919

* measurement accuracy ± 10%

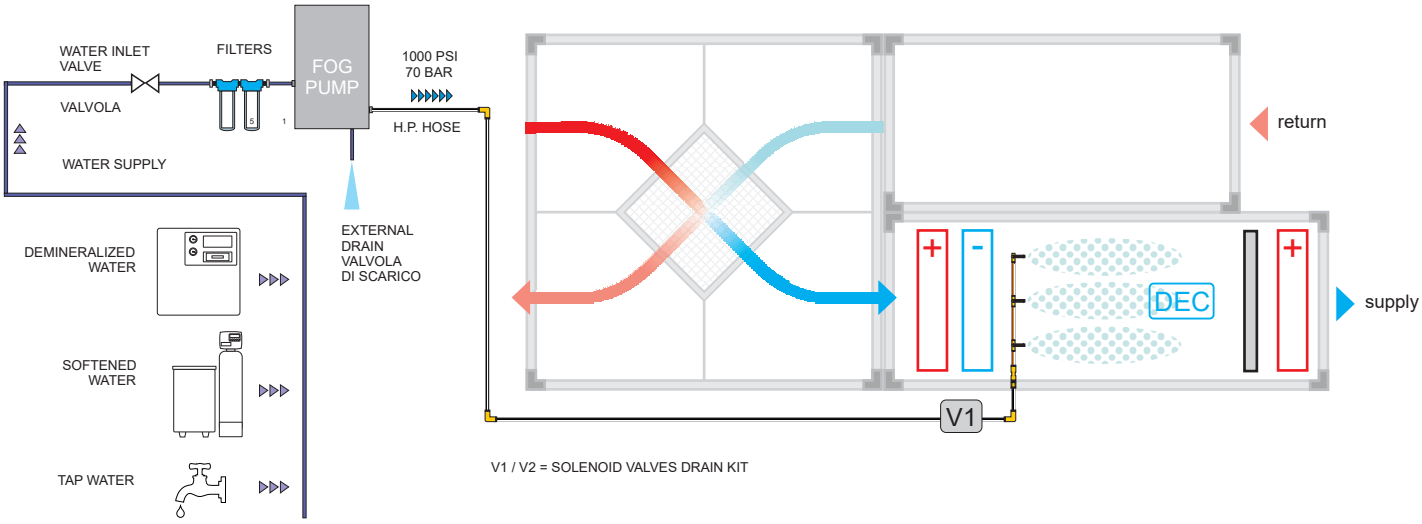
AHU Mounting layout example with POLARIS LSP or MISTMATIC pump

DEC: Humidification / Direct Evaporative cooling + IEC: Indirect Evaporative Cooling

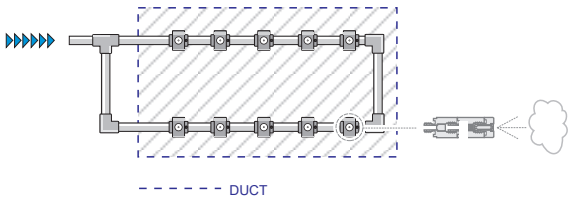


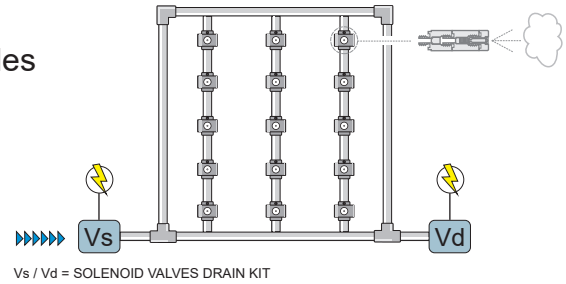
AHU Mounting layout example with EVOLUTION or PREMIUM PLUS pump

DEC: Humidification / Direct Evaporative cooling



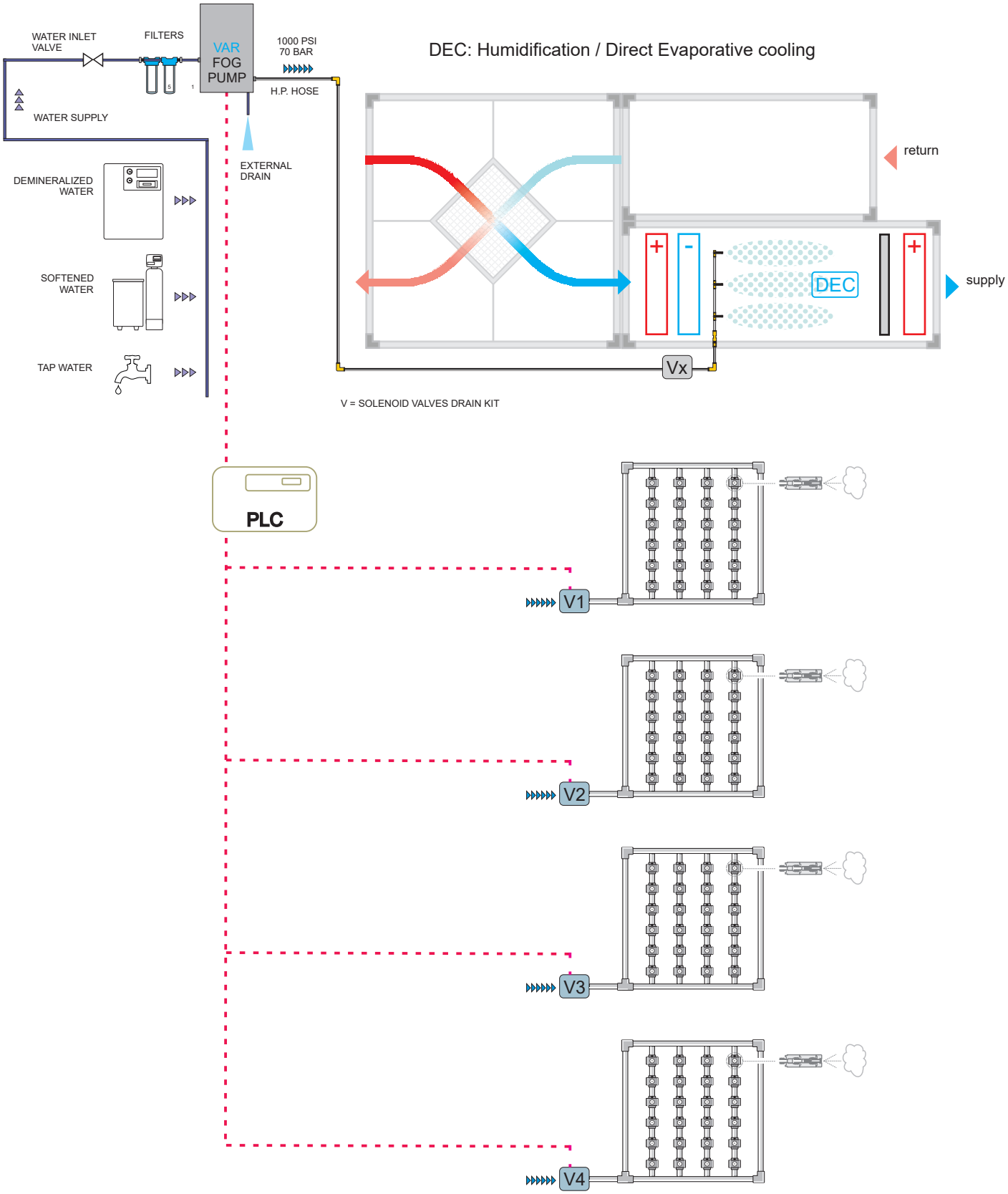
Nozzle RACK examples



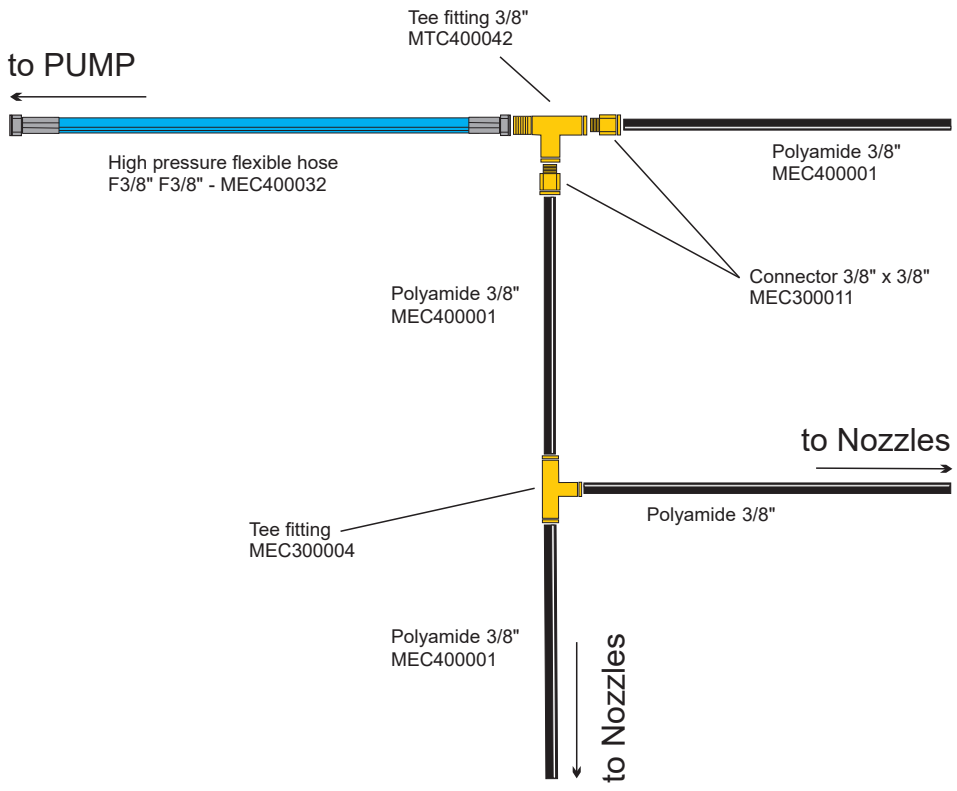


TC4-RACK

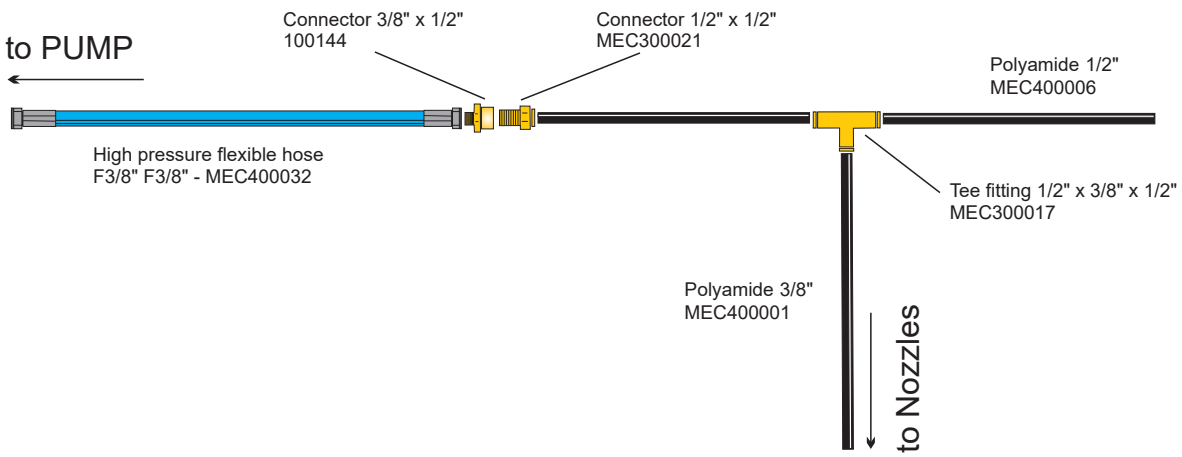
AHU Mounting layout example with
NT-FOG VAR / PLC / TC4-RACK control software

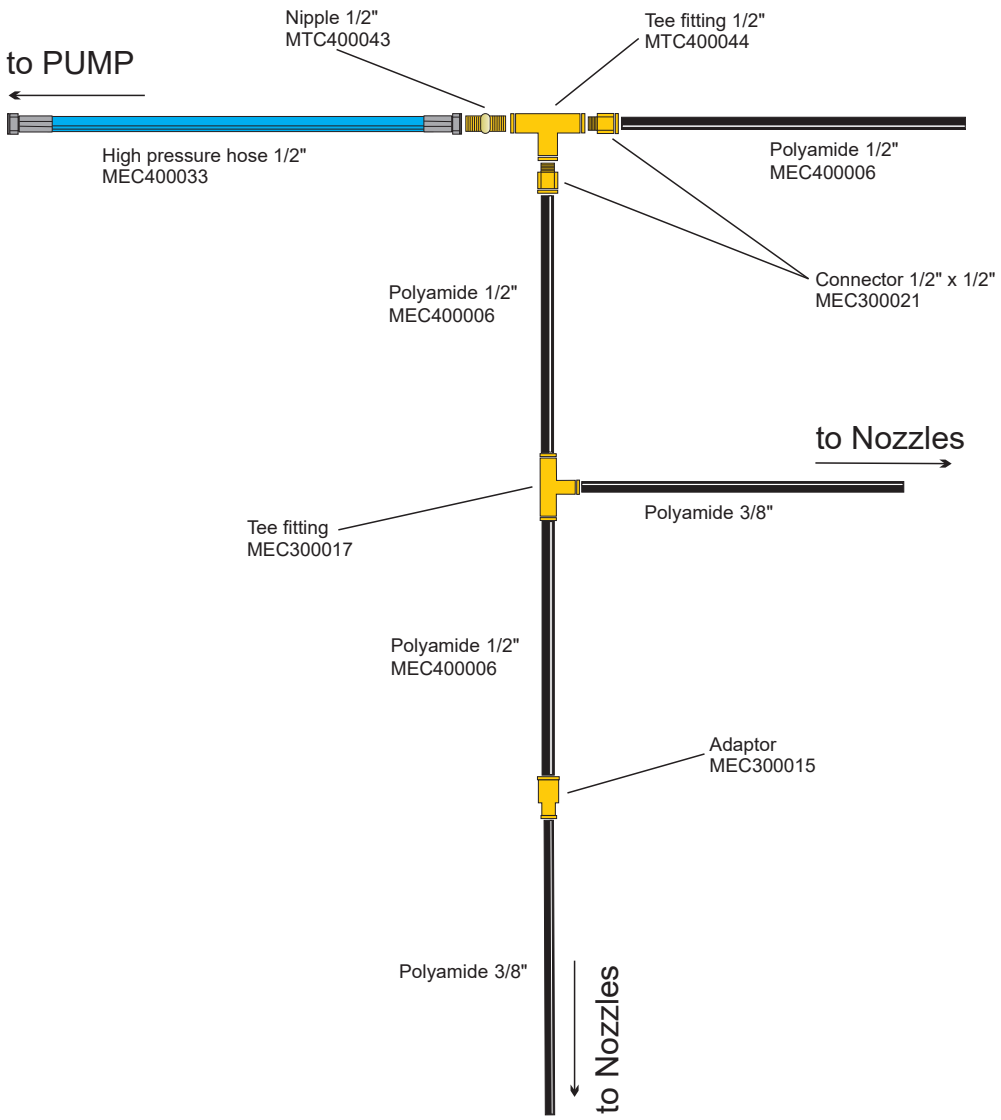


Mounting layout example
NT-FOG OUTLET Connections up to 21 lpm to two lines 3/8"



Mounting layout example
NT-FOG OUTLET Connections up to 21 lpm to one line 1/2"



Mounting layout example

NT-FOG OUTLET Connections over 21 lpm to two lines 1/2"