

Product sheet
WDP Mist

- Suitable for all AgHort applications i.e. Poultry, Swine, Dairy and Greenhouses
- Alternative to evaporative pad cooling in cold continental and moderate climates, typically characterized by very brief periods of hot weather
- Minimizes heat stress which improves feed conversion for increased production
- Optimal relative humidity in-farm or greenhouse throughout the year
- Environmental benefits by effectively suppressing dust particles from the airstream
- Fast cleaning operation through preparatory soaking of various in-farm equipment
- Corrosion resistant components, made in stainless steel
- Quick and easy installation
- Fits on any size of housing system

WDP Mist- efficient high-pressure fogging system

Within agri- and horticulture, ideal climate is essential as it directly influences the productivity and health of livestock and plant growth. Cooling and ventilation are very important factors for accurate control of the climatic environment in poultry, swine, dairy houses or greenhouses. Indoor temperature and humidity play a crucial role in avoiding heat stress and achieving the perfect climate.

The WDP Mist has been especially designed for such purposes, featuring a versatile high-pressure fogging system for cooling, humidification and soaking of layer, broiler, breeder, turkey houses, swine and dairy barns, milking parlors, greenhouses, etc. The WDP Mist uses high-pressure nozzles to add very fine water particles into the airstream. The added water particles then evaporate, absorbing energy from the airstream, consequently generating a temperature reduction.

The complete system includes a pumping station, motor, control panel, water filters, pipes, compression fittings, misting nozzles and can be easily fitted into the farm or greenhouse, with little to no structural modification. Additionally, the WDP Mist is used to provide optimal humidity in the farm or greenhouse, and also, preparatory soaking of the various equipment installed in the house, making the cleaning operation faster and easier.



WDP Mist

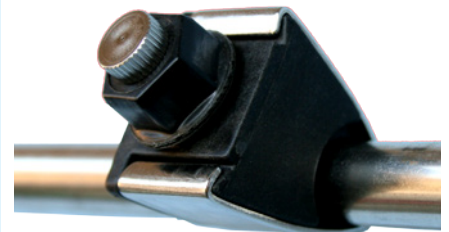
Technical specifications, pumping station

Description	Unit				
Maximum working pressure	Bar [PSI]	70 [1015]			
Water-flow	l/min [gal/h]	12.0 [190.2]	21.0 [332.9]		
Rated power	kW [Hp]	2.2 [3.0]	3.0 [4.0]		
Nozzle tip diameter	mm	0.2	0.3	0.2	0.3
Nozzle capacity (max.)	-	180	110	314	193
Rated voltage	V	230 / 400			
Phases	-	1 / 3			
Rated frequency	Hz	50 / 60			
Rated current consumption*	A	5.3	6.8		
Weight	Kg	40			
Ingress protection	-	IP55			
Insulation class	-	F			
Maximum water temperature	°C	60			
Oil specification	-	SAE 20/30			
Pumping station includes: induction motor, magnetic valve and coil, water filters, hose, fittings, mounting brackets					

*) 3- phase versions

Misting nozzle, the heart of the system

Description	Unit		
Nozzle tip diameter	mm	12.0 [190.2]	21.0 [332.9]
Water flow at 70Bar	L/h [gal/h]	4.0[1.06]	6.5 [1.72]
Pipe hole diameter	mm	3	
Mounting pipe diameter	mm	12	
Clamp and tip material	-	AISI 316	
Body material	-	High-pressure resistant polymer	



WDP Mist is developed and produced by Munters A/S, Denmark

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