

miXtron

Mixing Fluids Concentrate Equipment

Features & Benefits:

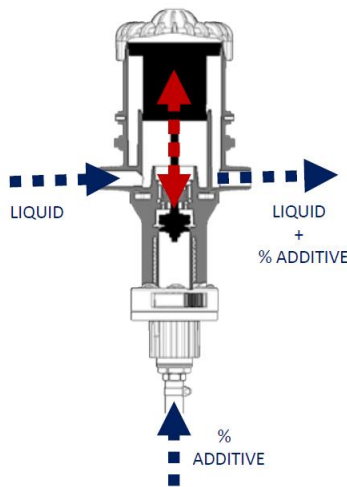
1. Eliminates manual handling of coolant concentrate
2. Accurate mixing of metalworking fluids from 1 - 10%
3. Quick & easy adjustment of dosing ratio
4. Can be wall or drum mounted
5. Dosing rate not impacted by fluctuations in mains water pressure
6. Clear dosing scale on the unit takes away guess work
7. Reduces coolant consumption & fluid spend

Suitable for:

- Livestock breeding
- Fertigation
- Carwashing
- Water treatments
- Metalworking lubrication
- Hygiene & Cleaning

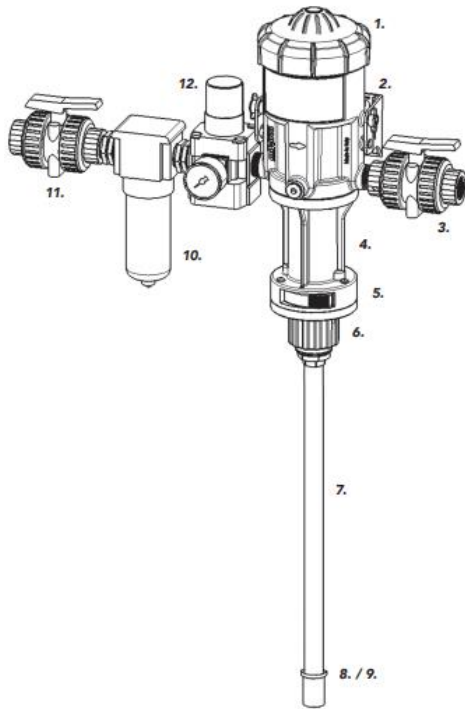


Specification:



	METRIC UNITS	IMPERIAL UNITS
Operating pressure	0,3 - 6 bar	4.3 - 87 PSI
Maximum static pressure	10 bar	145 PSI
Min operating temperature	5 °C	41 °F
Max operating temperature	40 °C	104 °F
Max vertical suction	4 m	13 ft
Max horizontal suction	20 m	66 ft
Connecting threads	3/4 " BSPT	3/4 " BSPT
Mixing chamber	Integrated	
Suction valve	Ball INOX AISI 316	
Metal components	INOX AISI 316 / DUPLEX	

MODEL	FLOW RANGE Metric Units	FLOW RANGE Imperial Units
MX.300	0,01 - 3,00 m3/h 10 - 3000 l/h	0,044 - 13,21 GPM 5,64 - 1690,70 oz/m



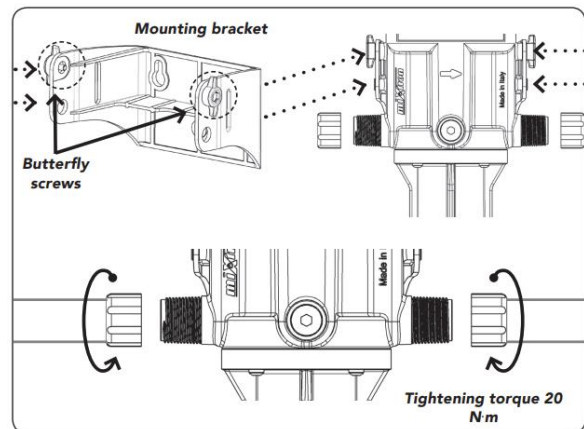
DOSING PUMP COMPONENTS

1. Cover
2. Motor body
3. Valve - Outlet side *
4. Pump body
5. Safety switch
6. Injection side
7. Suction tube
- 8./9. Check valve + Suction filter
10. Filter *
11. Valve - Inlet side *
12. Pressure Regulator * *

not included

INSTALLING YOUR MIXTRON

- Make station Mixtron by take steel structure or fasten wall-mount.
- The bracket is used to wall-mount the dosing pump.
- For proper installation, introduce the Mixtron dosing pump in the support and fit it into place by slightly bending the tabs on the bracket.
- When the dosing pump is properly fitted between the tabs on the bracket, fasten it using two butterfly screws.
- Once fastened, remove the protection caps on the inlet and outlet ports and the plug blocking the additive suction.



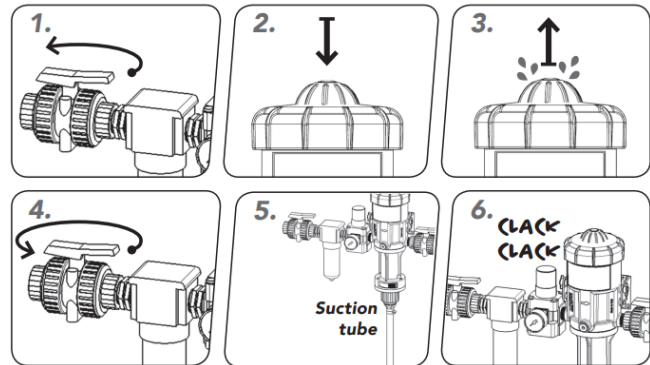
Operations:

START-UP FIRST START-UP

1. Open the inlet valve slightly (water, if this is the main liquid)
2. Push the bleed valve button on top of the motor cover; be sure to wear PPE (personal protective equipment) as required by local regulations (gloves UNI EN374/1/2/3, goggles).
3. When the bleed valve starts leaking solution and stops spitting air, let go of the button.
4. Open the inlet valve slowly, increasing the flow until the dosing pump starts automatically.

5. Allow it to operate until the product to inject is drawn and has reached the dosing pump body. This is visible through the clear suction tube.

6. The dosing pump will start making a clicking noise, which is a sign that it is running at capacity. To accelerate suction, set injection rate to the highest percentage. After this initial suction phase, bring back the dosage percentage to the desired value.



* When the installation for Mixtron is complete.



Dip the suction tube into additives



Open the water valve - inlet side to system



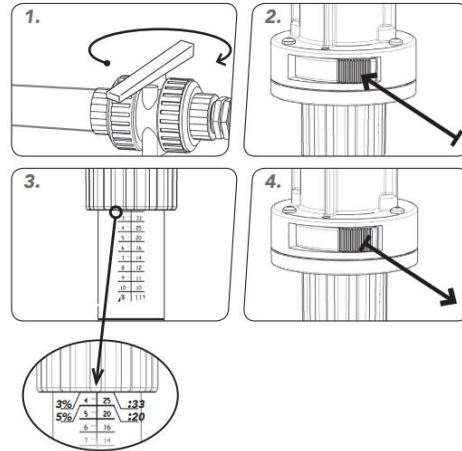
Adjust the level of concentrations



Open the water valve - outlet side, Put the tank.

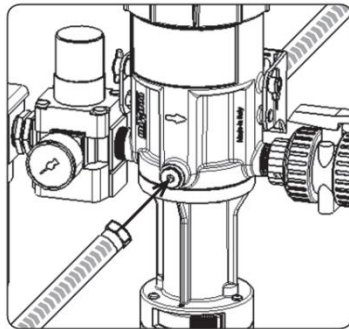
ADJUSTING THE DOSAGE RATE

1. Close the inlet valve completely.
2. Keep the safety button pressed down before making the adjustment.
3. Align the lower edge of the adjustment sleeve to the desired percentage on the graduated scale.
4. Release the safety button to lock the injection rate adjustment sleeve into place.



MAINTENANCE

- To maintain the dosing pump in top condition, it is advisable to run a cleaning cycle with clean water after each use. (See figure below)
- Regular yearly maintenance will help extend the lifespan of your Mixtron dosing pump. In addition, all seals need to be replaced every year.
- This dosing pump was tested before packaging. Do not hesitate to call your authorized Mixtron dealer to request service or after-sales assistance.



Cleaning cycle

ACTION	FREQUENCY/PERIODICITY
Cleaning cycle	After each use
General check	Yearly
Replace seals	Yearly
Replace other components	As needed

Summary:

The Mixtron MX water powered doser ensures maximum performance in all aspects of mechanical machining including; tool life, sump life, calibrated lubrication and cooling.

The use of the Mixtron MXO doser, when connected correctly to the mains water supply is to accurately prepare the water soluble coolant. This water powered doser guarantees accurate, constant and correctly mixed metalworking fluid, even when there is a change in water flow or pressure.