



Technical Data

Injectors > Hydraulic Dosing Pumps

> Tefen Mixrite Proportional Pumps

Code	Description	Dosage %	M coup. Ø	m³/h	NEW
FER327*	MixRite OnOff 1 Clorine	0,1 ÷ 1	¾"	1,0	
FER330	MixRite TF1 OnOff	0,2	¾"	1,0	
FER331	MixRite TF2.5 OnOff	0,2 ÷ 2	¾"	2,5	
FER332	MixRite TF2.5 OnOff	0,4 ÷ 4	¾"	2,5	
FER333	MixRite TF3.5 OnOff Internal ByPass	1 ÷ 10	¾"	3,5	
FER353	MixRite TF2.5 PVDF OnOff	0,2 ÷ 2	¾"	2,5	
FER354	MixRite TF2.5 PVDF OnOff	0,4 ÷ 4	¾"	2,5	
FER334	MixRite TF5 OnOff	0,1 ÷ 1	1"	5,0	
FER335	MixRite TF5 OnOff	0,2 ÷ 2	1"	5,0	
FER336	MixRite TF5 OnOff	0,5 ÷ 5	1"	5,0	
FER337	MixRite TF10 OnOff	0,1 ÷ 1	1½"	10,0	
FER338	MixRite TF10 OnOff	0,2 ÷ 2	1½"	10,0	
FER339	MixRite TF10 OnOff	1 ÷ 5	1½"	10,0	
FER340	MixRite TF25 OnOff	0,2 ÷ 2,0	2"	25,0	
FER341	MixRite TF25 OnOff	1 ÷ 5,5	2"	25,0	

*On request
Other models available on request

DESCRIPTION:

Application

- Fertilizers injection both for drip irrigation and sprinkling systems

Specifics

- ¾", 1", 1½", 2" M threaded fittings
- In line and by pass installation
- Injection range: 02% - 10% depending on the model
- Injection regulation ring with lock to avoid wrong regulations
- Manual on/off version, venting valve version available on request, hydraulic or remote electric on/off as well
- Complete with pipe and fertilizer aspiration filter
- Hydraulic engine and seals lubricated with water. No further needs of lubricators
- Fertilizer is added by continuous cycle whenever water passes through the mixrite, proportionally to its flow

Features and benefits

- Easy use and maintenance
- Suitable for both indoor and in the field installations
- TF2.5 and TF5 models are provided with stake for wall mounting, models TF10 and TF25 with plastic support legs (wall mounting stake on request)
- Driven exclusively by water force, no need of other energy sources
- Wide range of models

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ADDITIONAL INFORMATION

Precisely mixes additives and water

- The dosage can be adjusted easily and quickly
- Repair is simple and inexpensive
- Internal parts are made of the best quality materials available (hastelloy spring, Viton rubber gasket)
- Works at low flow
- Easy to maintain in the field
- Very resistant to chemicals
- Good mixing
- Very resistant to UV damage
- Easy to install
- Does not need electricity
- Easy to adjust dosage
- Replaceable gaskets

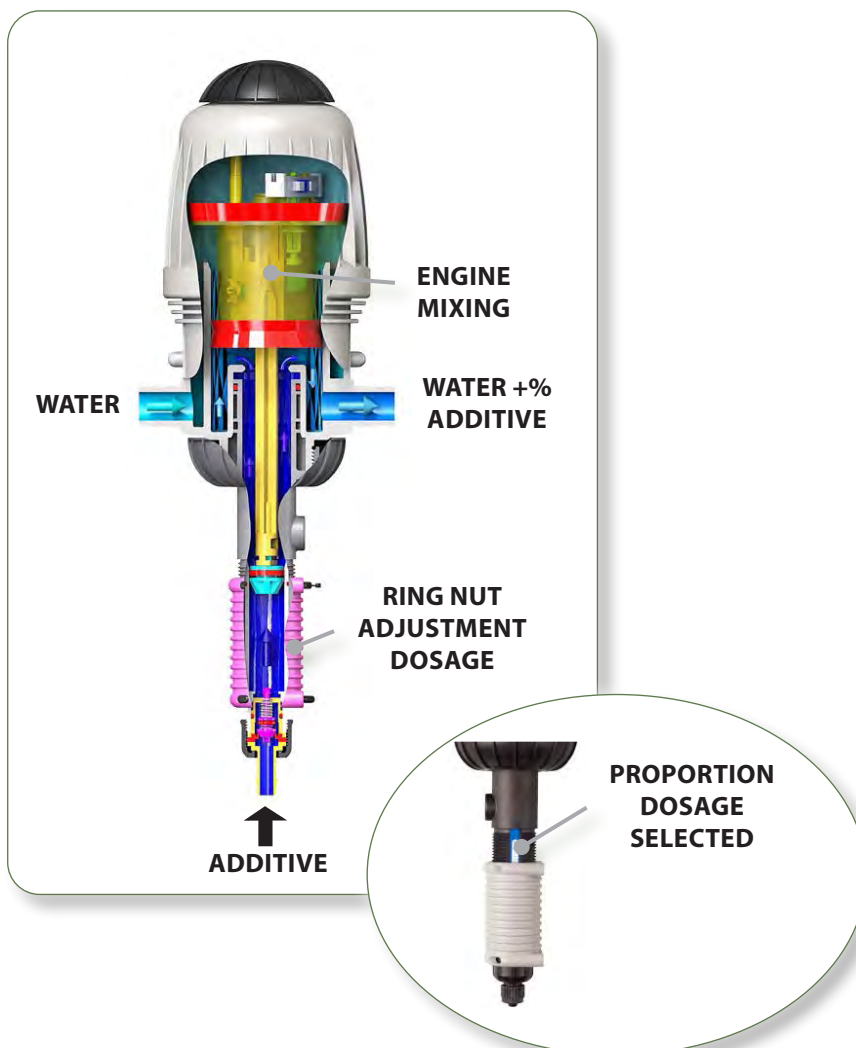
The determination of the right MixRite model for each application is made according to the customer's needs and according to the system specifications.

OPERATING PRINCIPLE

The unit begins to work when the water flows into the duct and continues to work until the flow stops; it is possible to control the suction action (input) using the models with the on / off system.

MIXRITE PUMP ADJUSTMENT

The injection rate is set manually by turning the dial to the desired proportion. The amount of concentrate injected is proportional to the amount of water flowing into the MixRite pump.





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LOAD LOSSES

Code	Mod.		l/h																	
			7	20	100	200	500	1.000	1.500	2.000	2.500	3.000	4.000	5.000	6.000	8.000	10.000	15.000	20.000	25.000
FER331	TF2.5-2	bar	0,18	0,18	0,18	0,19	0,24	0,42	1,28											
FER332	TF2.5-4		0,18	0,19	0,19	0,21	0,32	0,50	1,57											
FER333	TF2.5-10		0,20	0,27	0,30	0,33	0,42	0,71	1,78											
FER334	TF5-1					0,03	0,05	0,17	0,19	0,19	0,20	0,26	0,38	0,50						
FER335	TF5-2					0,17	0,18	0,22	0,25	0,28	0,32	0,38	0,43	0,58						
FER336	TF5-5					0,41	0,42	0,43	0,46	0,48	0,51	0,53	0,57	0,71						
FER337	TF10-1						0,05	0,07	0,08	0,09	0,11	0,13	0,19	0,23	0,28	0,37	0,47			
FER338	TF10-2						0,09	0,10	0,12	0,13	0,17	0,20	0,28	0,32	0,34	0,42	0,61			
FER339	TF10-5						0,14	0,18	0,21	0,24	0,26	0,28	0,31	0,36	0,40	0,63	0,82			
FER340	TF25-2.5							0,10	0,10	0,10	0,10	0,10	0,10	0,20	0,27	0,35	0,40	0,62	0,88	1,20
FER340	TF25-5.5							0,20	0,21	0,22	0,24	0,25	0,30	0,40	0,46	0,54	0,60	0,80	1,10	1,40

CHEMICAL RESISTANCE TABLE

Chemical substance				Type											
				TF 2,5		TF 2,5		TF 2,5		TF 5		TF 10		TF 25	
				Standard model	By-pass model	PVDF model	Standard model	By-pass model	PVDF model	Standard model	By-pass model	PVDF model	Standard model	By-pass model	PVDF model
Iron chelate		VARIES		-											
N.P.K. + Micro Elements		LOW		-											
N.P.K. + Micro Elements		AVERAGE		-											
N.P.K. + Micro Elements		HIGH		<70%											
Droppings		NOT UNIFORM		-											
Ammonium nitrate	NH ₄ NO ₃	LOW	< 10%												
Ammonium nitrate	NH ₄ NO ₃	AVERAGE	<20%												
Ammonium nitrate	NH ₄ NO ₃	HIGH	<50%												
Natural Organic Fertilizer		VARIES		-											
Nitric acid	HNO ₃	LOW	<10%												
Nitric acid	HNO ₃	AVERAGE	<20%												
Nitric acid	HNO ₃	HIGH	>20%												
Phosphoric acid	H ₃ PO ₄	LOW	<10%												
Phosphoric acid	H ₃ PO ₄	AVERAGE	<20%												
Phosphoric acid	H ₃ PO ₄	HIGH	>20%												
Sulfuric acid	H ₂ SO ₂	LOW	<10%												
Sulfuric acid	H ₂ SO ₂	AVERAGE	<20%												
Sulfuric acid	H ₂ SO ₂	HIGH	>20%												
Sodium hypochlorite	NAC ₂ O	LOW	< 1%												
Sodium hypochlorite	NAC ₂ O	AVERAGE	<5%												
Sodium hypochlorite	NAC ₂ O	HIGH	>5%												
Hydrogen peroxide	H ₂ O ₂	LOW	<10%												
Hydrogen peroxide	H ₂ O ₂	AVERAGE	<35%												
Hydrogen peroxide	H ₂ O ₂	HIGH	<50%												
Sodium hydroxide	NaOH	LOW	<20%												
Sodium hydroxide	NaOH	AVERAGE	<50%												
Sodium hydroxide	NaOH	HIGH	<80%												
Hydrochloric acid	HCL	LOW	<10%												
Hydrochloric acid	HCL	AVERAGE	<31%												
Hydrochloric acid	HCL	HIGH	<50%												

Legenda



Recommended



Admissible



Not recommended