



# Technical Data

## Injectors > Electrical Dosing Pumps

Fertigation

### > Piston Dostec



Code	Type	Engine	P <sub>max</sub> - bar	I/h <sub>max</sub>
FER047	Dostec 40	12V 130W	3,5	200
FER043	Dostec 40	12V 300W	10,0	200
FER044	Dostec 40	12V 300W	6,0	300
FER045	Dostec 40	12V 300W	4,5	500
FER056	Dostec 40	Single-phase	15,0	25
FER057	Dostec 40	Single-phase	15,0	50
FER058	Dostec 40	Single-phase	15,0	100
FER059	Dostec 40	Single-phase	11,0	200
FER060	Dostec 40	Single-phase	7,0	300
FER061	Dostec 40	Single-phase	4,5	500
FER050	Dostec 40	Three-phase	15,0	25
FER051	Dostec 40	Three-phase	15,0	50
FER052	Dostec 40	Three-phase	15,0	100
FER053	Dostec 40	Three-phase	11,0	200
FER054	Dostec 40	Three-phase	7,0	300
FER055	Dostec 40	Three-phase	4,5	500
FER062	Dostec 50	Three-phase	11,0	500
FER063	Dostec 50	Three-phase	7,5	750
FER064	Dostec 50	Three-phase	5,5	1.000



#### DESCRIPTION:

**Application**

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

**Features**

- Self-supporting injection system with support and fixing
- Injection by ceramic or high-density polyethylene piston
- Adjustable dosage
- Oil level

**Specifics**

*Engine:* Dostec 50)

- three-phase: 400 V 50 Hz
- single-phase: 230 V 50 Hz
- power: 0,37 Kw/0,5 Hp (0,75 Kw/1Hp)
- protection: IP 55

*Weight:*

- 10 kg ca (20 kg ca Dostec 50)

**Materials**

*Head:*

- PEUAPM piston (ultra-high molecular weight polyethylene)
- Ritention FPM
- Cylinder: PP
- Other materials for particular solution injection on request

*Valves:*

- PP body
- glass ball
- FPM o-ring

### > Membrane Dostec



Code	Type	Engine	P <sub>max</sub> - bar	I/h <sub>max</sub>
FER647	Dostec 40	12V 130W	15,0	25
FER648	Dostec 40	12V 130W	15,0	50
FER649	Dostec 40	12V 130W	10,0	100
FER650	Dostec 40	12V 130W	5,0	200
FER651	Dostec 40	12V 300W	8,0	200
FER652	Dostec 40	12V 300W	5,0	300
FER632	Dostec 40	Single-phase	15,0	25
FER633	Dostec 40	Single-phase	15,0	50
FER634	Dostec 40	Single-phase	10,0	100
FER636	Dostec 40	Single-phase	8,0	200
FER637	Dostec 40	Single-phase	5,0	300
FER640	Dostec 40	Three-phase	10,0	100
FER642	Dostec 40	Three-phase	8,0	200
FER643	Dostec 40	Three-phase	5,0	300

#### DESCRIPTION:

**Application**

- Fertilizers injection by electro-mechanical system
- High-performing injection both in flow-rate and in pressure

**Features**

- Self-supporting injection system with support and fixing
- Injection by PTFE membrane
- Adjustable dosage
- Oil level

**Specifics**

*Engine:*

- three-phase 400V 50Hz
- single-phase 230V 50Hz
- power: 0,37Kw/0,5Hp
- IP-55 protection

*Weight:*

- 10 kg ca

**Materials**

*Head:*

- PTFE membrane
- PP base
- PP cylinder
- Other materials for particular solution injection on request

*Valves:*

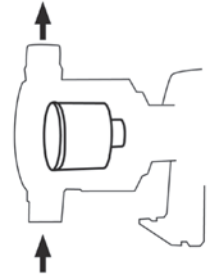
- PP body
- glass ball
- FPM o-ring



# Technical Data

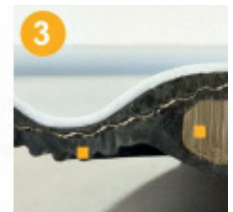
## Injectors > Electrical Dosing Pumps

### DOSTEC PISTON DOSING PUMPS



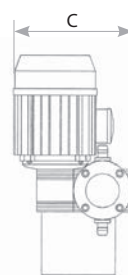
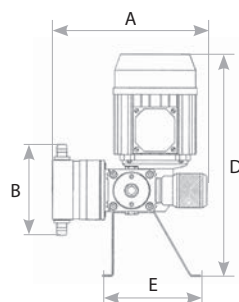
### DOSTEC MEMBRANE DOSING PUMPS

The outer layer of the membrane (the one in contact with the solutions to be injected) is in PTFE (1), while inside we find a layer of elastomer reinforced with polyester fibers (3) and a metal core (2). This combination gives great strength and durability while allowing you to work at high pressures.



Fertigation

### DIMENSIONS



PISTON DIMENSIONS MM					
Model	A	B	C	D	E
Dostec 40	320	154	195	370	155
Dostec 40 (500 l/h)	320	175	205	370	155
Dostec 50	415	230	204	440	241

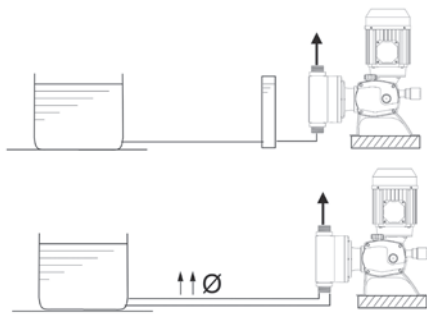
DIMENSIONS MM A MEMBRANE						
Model	l/h	A	B	C	D	E
Dostec 40	fino a 100	280	154	195	370	155
Dostec 40	fino a 200	285	184	195	370	155
Dostec 40	fino a 300	285	204	207	370	155



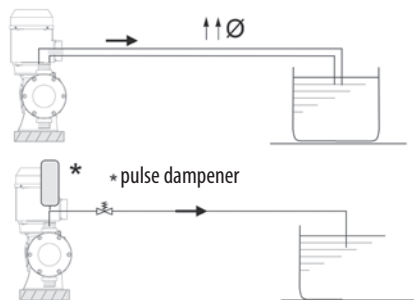
# Technical Data

## Injectors > Electrical Dosing Pumps

### RECOMMENDATIONS FOR CORRECT INSTALLATION



SUCTION pipe dimensions		
Internal Ø mm	Length mt	
	≤ 2	≤ 5
6	50	25
15	300	100
20		200
25		300
Q <sub>max</sub> in l/h		



INJECTION tube dimensions		
Internal Ø mm	Length mt	
	≤ 2	≤ 10
6	80	10
15	300	70
20		100
25		200
30		300
Q <sub>max</sub> in l/h		

Fertigation