

MP15 - Dosiflex

User manual



Serigstad ČR s.r.o

Pod Zámkem 105
262 03 Nový Knín - Sudovice
Czech Republic

Tel. +420 314 003 103
Mob +420 776 075 121

www.serigstad.cz

REV.15.05.2011

ISO 9001

Compleat set



REV. 15.05.2011

Presentation

Thank you for your trust you expressed in our company by having bought the application device DOSIFLEX. Our product meets the most rigorous regulations.

Perfect function and life can be achieved by proper assembly and maintenance.
Read instructions for use carefully before use

Serigstad ČR s.r.o.

Warning – safety above all!

Valid safety regulations apply to using acids and other aggressive substances.
Use protective aids enclosed

Product is tested by following regulation

(EN50081-1,-2,
EN50011B, EN50082-1)
(EN61000-4-2, -3, -4, level 3)

2 years warranty time

EU- 89/392/

REV.15.05.2011

Connection

12 Volt DC
Fuse : 13A

CAUTION!
Cables are labelled + and -
Spare fuse is found inside this Power Box for the case of reversal of poles and thus interruption of the fuse.



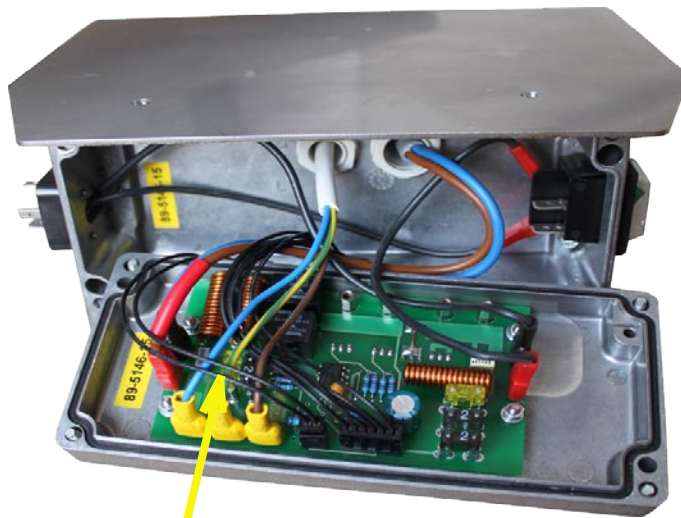
The product can be brought into operation by operating the main switch.

This switch can also be used if the software becomes blocked for any reason. In such a case, turn off the main switch, wait for 5 seconds and turn it on again.

Should lengthening of the supply cable be necessary, use the cross-section of 2x4

REV. 15.05.2011

Fuse



Back up fuse

REV.15.05.2011

Operation of the DOSIFLEX control



- Flow l/min** - Flow l/min.
- Output %** - Engine load
- Tank actual** - Tank status
- Tank total** - Shows total volume filled
- Tank setup** - Tank size setup
- OFF LINE** - svítí v normálním režimu

On if the pump is controlled by a superior control unit – a computer, sensor etc.

STORE Storing of preset values in the memory	VIEW Functions switching	REVERS Functional only with DP2005 series pumps. In combination with other pumps, provides full performance upon holding the button	START/STOP Switches the pump on and off	 Up	 Down
--	------------------------------------	---	---	--------	----------

REV. 15.05.2011

Operation of the DOSIFLEX control panel

Upon switching on, the display test is performed. This procedure takes about 3 seconds. After the test, the value 00 appears on the display.

Switch on Start simply and the pump starts. Information appears on the display, showing the flow in l/min. Press the arrow up or down to control the volume of liquid supplied.

Flow l/min – the display shows the flow volume in l/min.

If the blinking value 00 appears on the display, the pump stops. At the same time, an audio signal sounds. This means that there is no more liquid in the tank and it must be refilled or the barrel must be replaced. However, it can also mean a failure, such as a broken or squashed hose or faulty flow indicator. If the flow indicator does not work anymore and the pump cannot be turned on, it can be switched in the Output% mode using VIEW. In this mode, the pump works under any circumstances. The value stops on the last preset value.

It is thus possible to operate in the emergency mode and continue working. The pump supplies the last preset volume in l/min. This value is used as informative only, for possible control of the volume supplied.

Output % - Shows engine load. If failure of the flow indicator occurs, the pump can be controlled using this mode.

Tank Actual – This value shows how much liquid remains in the tank. Counts down the volume based on the value preset as the tank volume.

REV.15.05.2011

Operation of the DOSIFLEX control panel

Tank total – volume supplied during a longer period is recorded here. The processor can count up to 1999 litres. Upon exceeding this value, the check light switches on. Tank total and the counter start counting from zero again. If an amount higher than 1999 litres must be recorded, it is possible to continue and add 1999 litres to the value on the display. In such a case, the Tank total check light is on. It means that the actual value is 1999 + the value shown on the display.

To reset this value, hold the button STORE for 3 seconds.

Tank setup – Is used to preset the actual tank volume. Tank volume up to 1999 litres can be set. The present tank volume can be stored in the memory by pressing the button STORE.

Upon holding down the button add/deduct, the counter starts to count faster. The value of litres is increased in increments of ten.

REV. 15.05.2011

Remote control



The left connector is used to connect the

The right connector is used to connect control unit DOSIFLEX

Remote control.

The left connector is used for remote control. Attach the remote control cable to this connector. At the end, connect the cables to the switch.

Place a mechanic or magnetic switch on the movable part of the engine, thus stopping or starting the pump. Control levers are used most often, or raising the collector in the case of cutters etc.

The very switch is used to stop the pump. This means that the pump can be switched on by pressing the button START/STOP, and switched off and on again using the remote switch. Upon finishing using of the remote switch, the pump can be switched off using the button START/STOP.

REV.15.05.2011

Servicing mode - Calibration

Caution – Malfunction of the device can occur upon

Servicing mode – The PWM output frequency can be set in the servicing mode. Furthermore, the flow value can be recalibrated according to the actual measured value, caused by the difference in elevation, size of nozzles or liquid density. Is used only if the values given by the pump differ significantly from the actual volume

How to enter the servicing mode – stop the unit by pressing START/STOP. Press and hold down the buttons UP and DOWN simultaneously. The display signals the blinking value 00, and at the same time, the diode ONLINE starts blinking.

Attendance – by pressing the button START/STOP, the pump starts operating at the speed preset as last.

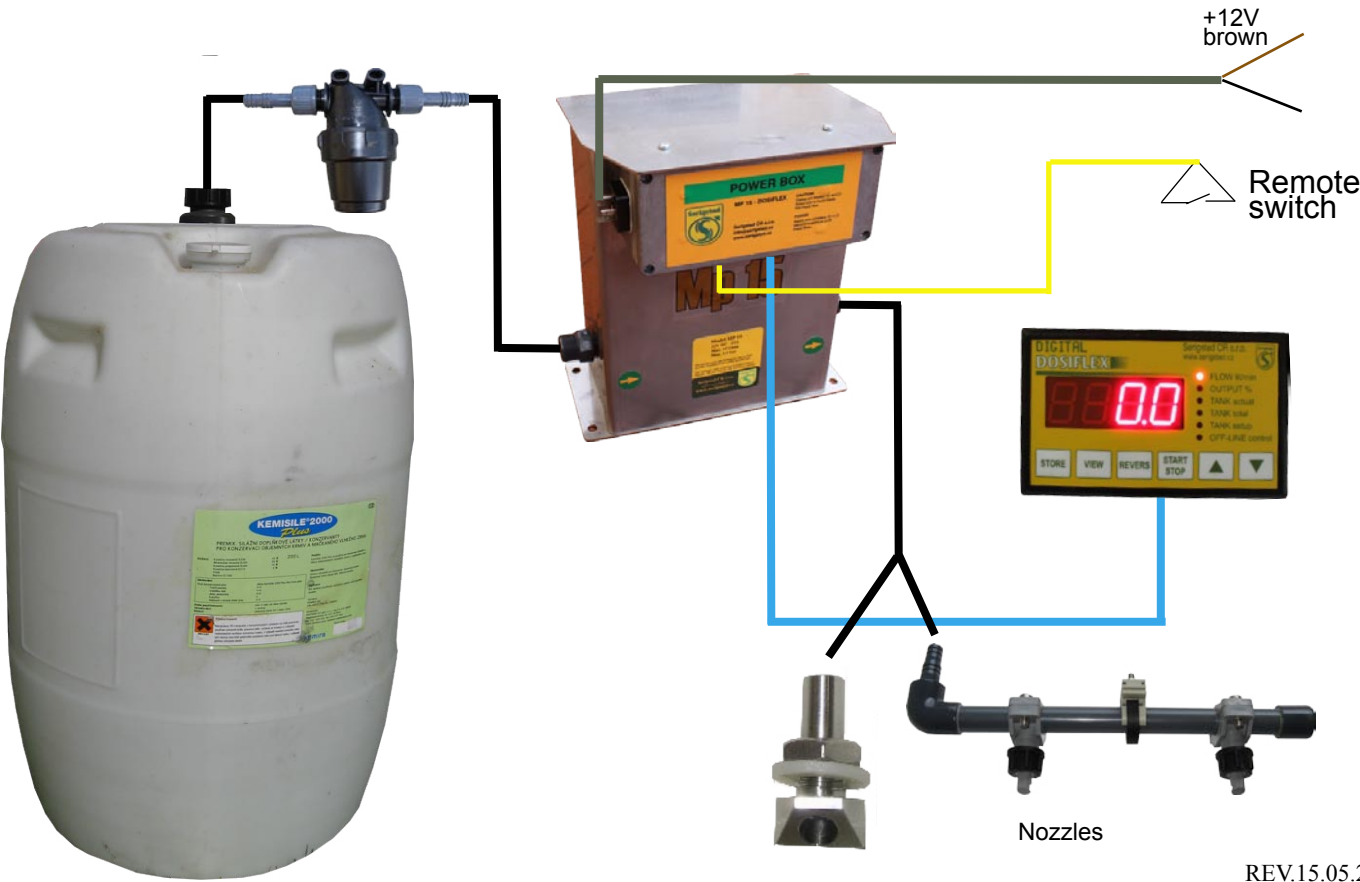
By pressing the button VIEW, the display mode can be switched as follows:

- 1 Flow
- 2 PWM frequency setting. The frequency can be reduced in the ratio 1:4:16
- 3 Time base to count flow indicator impulses (flow calibration)

The time base (amount given by the flow indicator) can be changed using UP or DOWN in the range 21 to 99 (value on the display), thus correcting the flow value, measured by the flow indicator. The value 60 corresponds precisely to the value measured according to information of the flow indicator manufacturer. The value displayed can be changed using the buttons UP / DOWN. The setting can be stored by pressing the button STORE, whereby the servicing mode is terminated, as well, and the unit switches into the normal mode.

REV. 15.05.2011

Connection



REV.15.05.2011

Here you can place metal nozzless. 2 peaces



REV. 15.05.2011