Dosing of Activated Carbon Powder | Up to 100 m³/h circulation rate per cycle

PAKDOS MINI-100-200-300-500

FUNCTION DESCRIPTION

Dosing system for the dosing of dust-free and acidulated powdered activated carbon with suspension preparing unit for one or several filter cycles. For the elimination of organic impurities from the water such as combined chlorine. Suspension preparing unit with 100 l, 200 l, 300 l or 500 l tank and agitator. Dosing performance max 140 respectively 300 g/h per dosing line at a suspension con-centration of 3 %. Injection before the filter pump (pres-sureless).

SCOPE OF DELIVERY

Suspension preparing unit:

- PE-tank 100 l, 200 l, 300 l or 500 l (according to consumption)
- Agitator 60 W (slow running)
- Suction tube PE 4 x 1
- Filling manually by ball valve d25
- Overflow and emptying connection
- Empty detection by pressure switch / optional by capacitive sensor
- Fault remote signal with non-volt changeover contact

Dosing line for PAKDOS-Mini CB36:

For dosing the powdered activated carbon suspension with a max concentration of 3 %, max particle size of 100 µ. The number of dosing lines complies with the number of filter cycles.

- Controller CB36 with LC display installed in housing
- Impulse length control via integrated timer or external contact
- Speed control via 4 - 20 mA or 0 - 10 Volt
- Peristaltic dosing pump Sa-4,8x2,4 or 6,4x2,4
- Dosing performance max: 4 l/h respectively 10 l/h
- Back pressure max: 1,0 bar
- Leakage detection signal
- Flushing unit for the dosing tube app. 10 - 20 l/h with regulation valve and water flow indication
- Completely tubed and pre-wired on PP board
- 25 m dosing tube PE 6x1
- Injection valve PM 6x1

TO BE PROVIDED BY THE BUILDER

- Power supply
- Supply tubing and tubing to the injection point
- Tubing of the overflow to the drain



Fig.: Dosing line 4 l/h

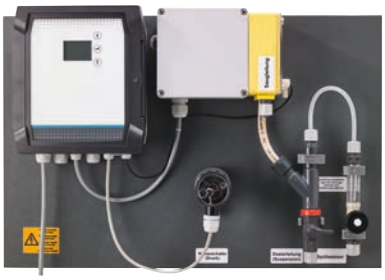

Fig.: Dosing line 10 l/h



TECHNICAL DATA

Suspension preparing unit	
Electrical supply	230 V/AC 50 Hz
Power supply	60 W
Water supply	DN20
Measures PM 100/200/300/500	d 450 mm x H 1120 mm d 560 mm x H 1230 mm d 650 mm x H 1320 mm d 790 mm x H 1460 mm
Weight PM 100/200/300/500	32 kg /40 kg / 45 kg / 50 kg

Dosing line(s)	**4 l/h**	**10 l/h**
Electrical supply	230 V/AC 50 Hz	
Power supply	5 W	16 W
Measures	W 300 mm H 410 mm D 150 mm	W 360 mm H 540 mm D 150 mm
Weight	3 kg	5 kg