

sera Proportional Dosing System

- For quantity-proportional adding of disinfection agents and other substances

Capability characteristics

- Dosing system ready to operate
- The most modern pump technology
- Space-saving compact design
- Infinitely variable capacity
- Quantity based dosing
- Highest accuracy
- Easy to operate
- Low maintenance
- Complete accessories program

Application

- Flow dependent water treatment with a high degree of dosing accuracy of additives, dependent on the output pulses of the contact water meter.
- Compact unit ready for connection, for different applications, trouble-free mounting and operation.



Fig.: Proportional dosing system with accessories

Proportional Dosing System

PDS



How the device works

As water flows through, pulses are sent to the dosing pumps by the contact water meter. These in turn send liquid into the water system according to the pulses.

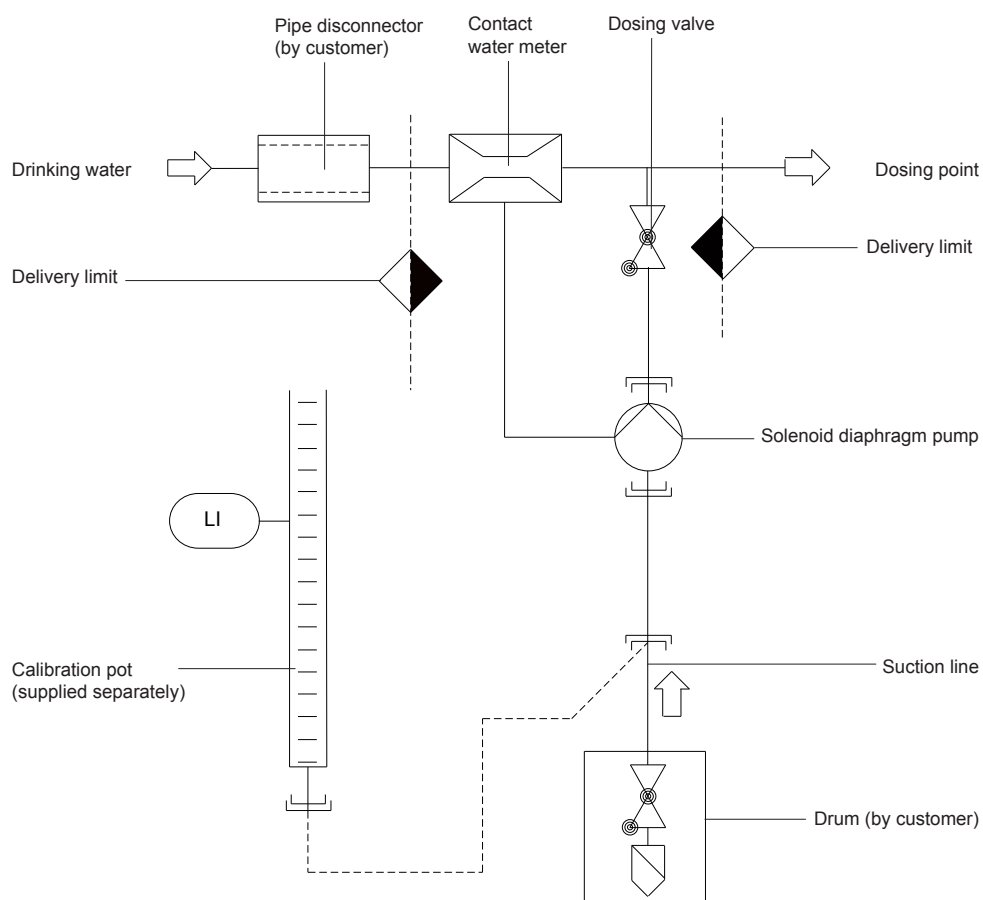
The capacity can be varied by changing the stroke length.

The main parts of the devices are directly controllable solenoid diaphragm pumps, which have proven themselves under the most difficult industrial operating conditions.

Installation recommendations

Installation should be carried out in accordance with the flow diagram i.e. a pipe disconnecter should be installed by the customer. This pipe disconnecter should ensure that no chemicals can infiltrate the drinking water system in case of a disturbance in the dosing system.

Flow diagram (sera scope of delivery)



Proportional Dosing System

PDS



Technical Data

Type	Nominal capacity		Permissible counterpressure bar	Permissible suction height mWC	Power consumption approx. kW	Input supply voltage 1~, 50/60 Hz Volt	Weight approx. kg
	litre/minute	ml/stroke					
PDS-1,2	0 - 1,2	0 - 0,13	10	3	0,05	230	6,0
PDS-2,4	0 - 2,4	0 - 0,27	10	3	0,05	230	7,0
PDS-6,0	0 - 6,0	0 - 0,67	6	3	0,05	230	7,0
PDS-7,0	0 - 7,0	0 - 0,78	10	3	0,05	230	7,5
PDS-10	0 - 10	0 - 1,11	6	3	0,05	230	8,0

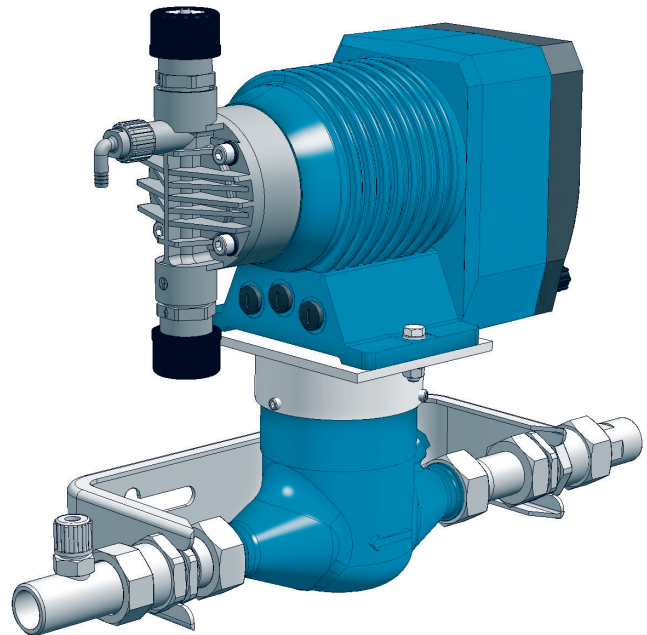
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Standard scope of delivery

- Solenoid diaphragm pump
- Contact water meter DA 20
- Dosing valve
- Calibration pot
- Suction lance type SH-04.1
- Wall fixing device
- 2 m dosing hose, PE, 4/6



Accessories (optional)

- Contact water meter DA 25, DA 40
- Suction lance with 1 level switch
- Suction lance with 2 level switches

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