

Proportional dosing system

Type PDS



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sera - Proportional dosing system (Type PDS)

Water additives, dosed accurately, flow-dependently



Proportional dosing system,
Type PDS - 6.0

Application

- Easy, precise distribution of water additives
- Simple long term treatment through continuous dosage
- Dosage proportional to water throughput
- Variable PDS applications

Advantages

- Compact unit, ready for installation
- Leakage-free
- Safe to run dry
- Trouble-free assembly and start-up
- Simple handling and operation

Ask us to submit a quotation to meet your specific requirements!

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Application: Dosage of liquid additives in water systems

The PDS makes flow-dependent treatment of water possible by accurate dosage of additives.

The compact unit, ready for installation, has a variety of applications and distinguishes itself further by trouble-free assembly and easy start-up.

How the device works

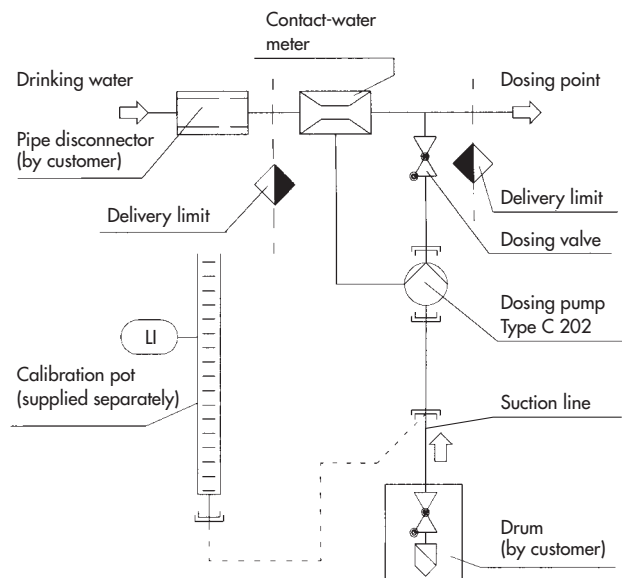
As water flows through, pulses are sent to the dosing pumps by the contact water meter. These in turn send liquid into the water system according to the pulses. The capacity can be varied by changing the stroke length.

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)



¹⁾ The flow capacity depends on the pulse sequence and the nominal flow

Type	Flow capacity ¹⁾ [l/h]	Permiss. counterpressure [bar]	Permiss. suction height [mWC]	Nominal width Inlet / Outlet [DN]
PDS – 1.2	0 – 1.2	10	3	5
PDS – 2.0	0 – 2.0	16	3	5
PDS – 2.4	0 – 2.4	10	3	5
PDS – 6.0	0 – 6.0	6	3	5
PDS – 7.0	0 – 7.0	10	3	5
PDS – 10	0 – 10.0	6	3	5
PDS – 14	0 – 14.0	3	3	5
PDS – 25	0 – 25.0	3	3	8
PDS – 30	0 – 30.0	2.5	3	8
PDS – 35	0 – 35.0	1.5	3	8



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Dosing
Feeding
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