

Supplement to Manual

MAXX SP5 DK



Remarks

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Subject to changes!

Access code for programming, system settings, key lock

Password:

6299

Your password:

Device designation	SP5 DK (like SP5 S, with the following modifications)
Housing:	Wall mounted version without housing (PVC/stainless steel). Option: Stainless steel housing with cooling/heating (materials: 1.4571/SS316Ti; SS304 EPOXYcoated; SS316 Ti EPOXY-coated)
Type	Fixed site sampler for sample medium with high solids content (sludge sampler) and for sampling from pressurised lines
Suction hose	Inlet: inside thread 1 1/4" Outlet: hose nozzle DN40 other dimensions are possible with small volumes
Bottle variants:	1 x 25 L PE In stainless steel housing: 1 x 25 L PE; 4 x 14 L PE; 4 x 6,3 L PE; 12 x 2,9 L PE
Dosingsystem	Double ball valve system with dosing tube mounted between the two valves (up to 25 bar). Standard volume 100 ml, other volumes available upon request
Ambient temperature	0 to 45°C (wall-mounted version) -20 to + 40°C (with stainless steel housing)
Overall dimensions	<u>Wall-mounted version:</u> control unit (hxwxd) 350 x 450 x 170 mm dosing unit (hxwxd) 570 x 120 x 200 mm <u>Version with stainless steel housing (hxwxd)</u> 1.290 (1.890*) x 690 x 645 mm *) with opened top
Weight	Wall-mounted version: approx. 15 kg Version with stainless steel housing: min. 100 kg

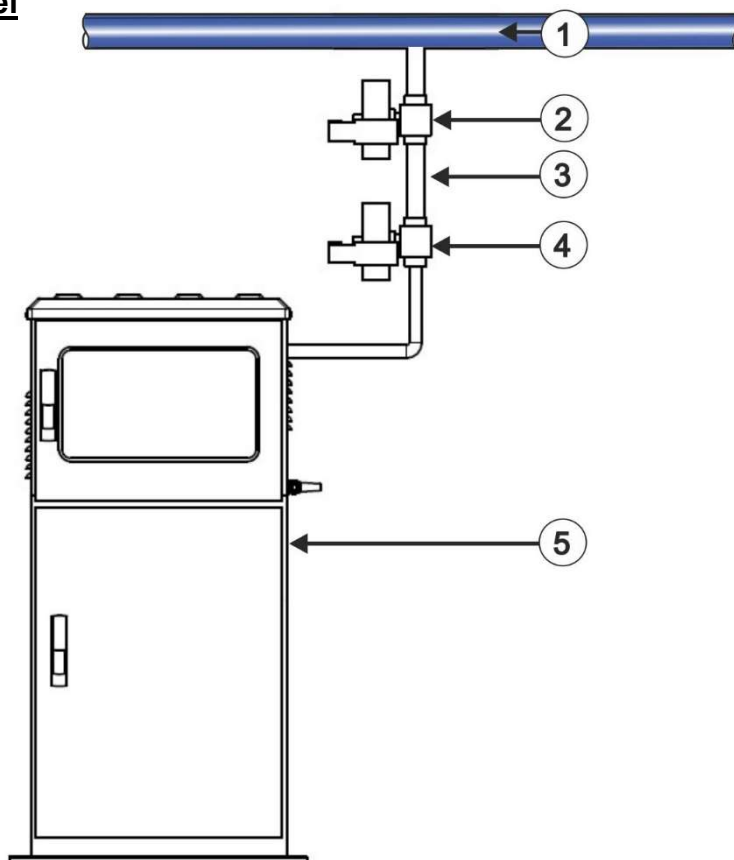


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Characteristics: sampler SP5 DK (double ball valve system)

A) In combination with stainless steel housing

1. Pressurized line
(an appropriate connection has to be provided by the customer)
2. Ball valve 1 (inlet)
3. Dosing tube e.g. 100 ml (fix volume)
4. Ball valve 2 (outlet)
5. Fixed site sampler



B) Wall-mounted version

1. Controller unit
2. Manometer
3. Pressurised line
4. Inlet
5. Ball valve 1 (inlet)
6. Dosing tube 100 ml (fix volume)
7. Ball valve 2 (outlet)
8. Discharge





Installation:

The dosing system has to be installed directly at the sampling point.

The extraction point has to be chosen in such a way that the sample can drain off with gravity from the dosing tube into the sampling bottle.

Operation principle:

- Both ball valves are normally closed.
- To take a sample the ball valve **1** (next to the pressure line) opens and the dosing tube between ball valve **1** and ball valve **2** is filled with sample medium.
- Ball valve **1** is closed again.
- Ball valve **2** opens.
- The sample can drain off into the sampling bottle.

If required, an air connection can be provided at the dosing tube to enable a purge of the tube section connected to the pressurized line.

Remarks:



The unit requires compressed air.

The pressure for purging has to be higher than the line pressure!

The single dosing volume depends on the length and the diameter of the volume tube. The standard volume is 100 ml. Other volumes are available on request. For connection of the dosing system at the pressurised line, the customer has to provide a pipe nozzle with external thread [1 ¼ “]. The size of the pipe nozzle varies according to the size of the volume tube.

For maintenance and safety a manual stop valve should be installed between the pressurised line and the dosing system.



Important!

The dosing part (ball valves) is operated pneumatically. With the official acceptance of customer, the pneumatical part can be used in ***hazardous areas***.

The used electric solenoid valves are not approved for hazardous areas.

The controller and the terminal box **must** be installed in a non-hazardous area.

The connecting cable between the controller and the dosing unit has a length of 5 m. Longer cables are available on request.