

Feeder station, type 6854-15

Sample bottles, type 6845, are fed in from round magazines, type 6875, for test equipment FOSS MS 4000/MS 6000 with a cycle time of at least 6 sec., while the sample bottles are warmed up.



Functions

- Steering of the sample bottles out of the inlet round magazine.
- Software-controlled feed of control samples (calibration samples) from the control sample buffer.
- Contactless registration and processing of the sample bottle temperature.
- Heating of the samples by means of warm air up to the testing temperature of 38 to 42 °C.
- Shaking of the sample bottles with the opening downwards, with a swing radius > 150 °.
- Removal of the stopples of the sample bottles.
- Reading of the barcode and after the pipetting steering of the illegible barcodes into a buffer which allows the removal only in the order in which they have been steered out.
- Keeping the sample bottle ready at the pipetting position and sending of the sample information according to the CS-83-protocol to the HOST-PC.
- Steering-out of samples that have to be repipetted according to the test result, and software-controlled, automatic refeed.
- Steering-in of samples that have already been heated and have to be repeated, by means of a separate repeat sample buffer.
- After the test steering out of the control samples into a separate buffer.
- Collection of the processed samples in the outlet round magazine.

The feeder station is synchronized with the analyzing device by software by means of an open RS-232 protocol corresponding to the CS-83 protocol of FOSS. If MILAB software (MILAB-WMS) is applied, the equipment is controlled by this software.

Technical data															
Mechanical Daten															
Construction	<ul style="list-style-type: none"> - Stainless steel framework, mobile on lockable rolls, with control cabinet and supply facilities. - Table superstructure made of stainless steel plates/plastic material contains function and transport elements. - Table height adjustable to ± 2 cm - For cleaning, the components can be removed and reassembled without tools 														
Dimensions	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Table frame:</td> <td style="width: 20%;">Length:</td> <td style="width: 50%;">1,600 mm</td> </tr> <tr> <td></td> <td>Width:</td> <td>800 mm</td> </tr> <tr> <td>Working-area:</td> <td>Height:</td> <td>870 mm (without superstructure)</td> </tr> </table>	Table frame:	Length:	1,600 mm		Width:	800 mm	Working-area:	Height:	870 mm (without superstructure)					
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Working-area:	Height:	870 mm (without superstructure)													
Weight	300 kg														
Protective system	Control cabinet: IP53 Control computer: IP40														
Ambient conditions															
Permissible operation temperature	0 to 40 °C														
Permissible store temperature	- 10 to + 60 °C														
Permissible air humidity	80 % max., no dewing														
Climatic classification	KYF according to DIN 40040 (German standard)														
Specific data															
Compressed air	600 kPa (6 bar) quick lock, nominal bore 9 mm Throughput of air 100 l/h														
Throughput of samples	Up to 600 sample bottles / h														
Size of bottle buffer	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Round magazine</td> <td style="width: 30%;">72 bottles (74 bottles max.)</td> </tr> <tr> <td>Buffer of samples</td> <td>6 bottles</td> </tr> <tr> <td>Buffer of barcode read error</td> <td>12 bottles</td> </tr> <tr> <td>Buffer of additional samples</td> <td>12 bottles</td> </tr> <tr> <td>Buffer of double samples</td> <td>12 bottles</td> </tr> <tr> <td>Buffer of samples f. special examinations</td> <td>12 bottles</td> </tr> <tr> <td>Buffer of repeat samples</td> <td>10 bottles</td> </tr> </table>	Round magazine	72 bottles (74 bottles max.)	Buffer of samples	6 bottles	Buffer of barcode read error	12 bottles	Buffer of additional samples	12 bottles	Buffer of double samples	12 bottles	Buffer of samples f. special examinations	12 bottles	Buffer of repeat samples	10 bottles
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Electrical data															
Connection	3 m connection cable with protective contact plug														
Auxiliary energy	230 V A/C voltage 50 to 60 Hz														
Power consumption	Approx. 3.2 kW fault current protection switch 30 mA														
Interfaces	RS 232 with adjustable transfer parameters (19,200 Baud max.) Ethernet interface														
Data for purchase order															
Feeder station with bottle heating, type 6854-15	order no. 2 019 00														