

Horizontal Front-loading Table Top Autoclaves Systec D-Series, Systec



Specially designed for the requirements in laboratories, these autoclaves make sterilization processes safe, accurate, reproducible and validatable.

Three model ranges with different performance

Systec DX

For all laboratory applications, including sophisticated state-of-the-art sterilization processes.

With numerous options for validatable sterilization.

Systec DE

For basic laboratory applications. With limited options for process optimization.

Systec DB

For simple process applications. No options available for process optimization.



Technical data:	Chamber dimensions. Øxdepth in mm	Chamber volume in l total / nominal	External dimensions HxWxD in mm	Heating cap. DX-series kW	Heating cap. DE/DB-series kW
D-45	344 x 500	50 / 45	585x620x755	3.5	3.7
D-65	400 x 500	70 / 65	630x750x770	9.0	3.7
D-90	400 x 700	95 / 90	630x750x970	9.0	5.5
D-100	500 x 500	113 / 100	730x850x805	9.0	3.7
D-150	500 x 750	162 / 150	730x850x1055	9.0	5.5
D-200	500 x 1000	211 / 200	730x850x1305	9.0	5.5

Electrical connections for Systec D-23 and D-45: 220 – 240 V, 50 / 60 Hz, 16 A.

Electrical connections for Systec D-65 to D-200: 380 – 400 V, 50 / 60 Hz, 16 A.

Other voltages and single-phase available on request.

Country-specific deviations are possible.

Standard Features

	Systec DX	Systec DE	Systec DB
Integrated, separate steam generator	•		
Internal heating elements within the autoclave chamber		•	•
Housing, support frame and pressure vessel made of corrosion-resistant stainless steel	•	•	•
Temperature and pressure range 140°C, 4 bar (except for Systec D-23)	•	•	•
LCD display and fully automatic microprocessor control	•	•	•
Number of sterilization programs (Systec DB incl. cleaning program)	Up to 25 ¹⁾	12	4
Code-secured access rights for changing parameters and further safety-relevant intervention	•	•	•
Internal memory for storing up to 10 sterilization cycles	•	•	
Timer for starting programs	•	•	
Autofill: automatic demineralized water feed for steam generation	•	•	
Flexible PT-100 temperature sensor	•	•	•
Additional temperature sensor in condense exhaust	•		
Temperature holding function for liquids after program finish	•	•	
Special program for Durham tubes	•	•	
Calculation of F0 value	•	•	
Special program for waste sterilization with pulsed heat-up for more efficient air exhaust	•	•	
Water-cooled steam exhaust, thermostatically controlled	•	•	
Programmable automatic door-opening on completion of program	•	•	
RS-232 interfaces for external data transmission (network-compatible via adapter)	•	•	

Available options

Extension of temperature and pressure ranges to 150 °C / 5 bar (from chamber volume 65 liters and more)	+	+	
Options for process optimization			
Rapid cooling for efficient and safe cooling of liquids	+	+	
Vacuum system for validatable sterilization of solids and waste materials in disposal bags	+		
Superdry: for drying solids (only in combination with optional vacuum system)	+		
Exhaust filtration (including condensate inactivation) for safe sterilization of hazardous biological substances	+	+	
Options for documentation			
Integrated printer for batch documentation	+	+	+
Systec ADS documentation software package for comprehensive documentation	+	+	
Data storage on SD card for up to 10,000 sterilization cycles and transmission of data to a PC	+	+	

Systec autoclaves are delivered ready for subsequent installation of all options.

Further options and special programs as well as baskets and inserts, transport and loading systems on request.

¹⁾ On request

Type	Order No.	Type	Order No.
Systec DX-45	10 12 91945	Systec DX-100	10 12 92100
Systec DE-45	10 12 91545	Systec DE-100	10 12 91600
Systec DB-45	10 12 91910	Systec DB-100	10 12 91940
Systec DX-65	10 12 92065	Systec DX-150	10 12 92150
Systec DE-65	10 12 91565	Systec DE-150	10 12 91650
Systec DB-65	10 12 91920	Systec DB-150	10 12 91950
Systec DX-90	10 12 92090	Systec DX-200	10 12 92201
Systec DE-90	10 12 91590	Systec DE-200	10 12 91700
Systec DB-90	10 12 91930	Systec DB-200	10 12 91960

