VARIOKLAV®

HP LABORTECHNIK

ANIMA LAB

PRODUCT LIST

VARIOKLAV®
BlueLine.

Order No.	VARIOKLAV BlueLine 25 T
51024306	**VARIOKLAV 25 T Steam Sterilizer, tabletop model, basic unit,** 25 litres chamber, (ØxL) 255x490 mm, stainless steel cladding, integrated exhaust steam condenser ADI
609469	VARIOKLAV BlueLine 25 TV, **Steam Sterilizer, tabletop model,** used device 25 litres chamber, (ØxL) 255x490 mm, powder-coated, efficient pre- and post-vacuum, GLP batch printer, flexible temperature sensor, incl. condensate collector and insert trays

	MODULE OPTIONS
51900818	**MT media temperature control,** control via temperature of liquids or media
51900836	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900844	**FA exhaust-air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900845	**Automatic feed water supply,** from integrated water storage tank, for sterilization times over 40 min
51900846	**Feedwater degassing unit in storage tank,** with integrated exhaust steam condensation
51900847	**Validation port,** for up to 4 temperature sensors PT 100, conforming to standards

	ACCESSORIES
50091319	**Chamber insert tray,** with 1 metal bucket, for up to 4 metal buckets
50090577	**Metal tub cubic,** (WxHxD) 190x30x425 mm, suitable for insert tray order no. 50091319, 3 pieces
50103083	**Condensate collector,** for waste steam and condensate, 20 litres, made of PE plastic, with stainless steel immersion tube and quick coupling as well as hose set
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

VARIOKLAV®
EXCELLENCE IN AUTOCLAVES

Order No.	VARIOKLAV BlueLine 65 T
51024307	**VARIOKLAV 65 T Steam Sterilizer, tabletop model, basic unit,** usable volume 65 litres, (WxHxD) 330x330x630 mm, separate steam generator, stainless steel cladding, integrated exhaust steam condenser ADI

	MODULE OPTIONS
51900818	**MT media temperature control,** control via temperature of liquids or media
51900801	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900803	**RG module - fast cooling for liquids in open and pressure-sealed closed vessels,** including RM cooling module, additionally with sterile support pressure and radial fan for steam circulation, external compressed air connection required
51900805	**VF module - fractionated pre-vacuum,** for hard-to-venting solid and porous materials in particular hollow bodies and trash in bags, including program for simple pre-vacuum
51900807	**VT module - vacuum drying,** including VF module, post-drying with vacuum, double jacket steam-heated, for all solid and porous materials, including sterile ventilation, recommended drying time 15 to 60 min
51900809	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900810	**GLP batch printer,** integrated, for direct documentation of chamber and media temperature as well as chamber pressure
51900811	**GMP batch printer,** integrated, for independent documentation of chamber temperature, media temperature and chamber pressure as well as separate process documentation via double sensors, including calibration certificates according to ISO 9000, GMP compliant
51900827	**Sterile air ventilation,** sterile ventilation of the chamber at the end of the sterilization process
51900826	**Validation port 6-fold,** for up to 6 temperature sensors PT 100, conforming to standards

	ACCESSORIES
50085023	**Undercarriage,** with additional shelf, 2 castors on the rear side, stainless steel, max. load 300 kg
50085024	**Center shelf,** (WxHxD) 320x20x600 mm, loading level height adjustable in four positions
50101326	**Wire tub cubic,** (WxHxD) 300x120x535 mm, stackable, max. 2 tubs per device
50101323	**Metal bucket, cubic,** (WxHxD) 290x80x535 mm, stackable, max. 2 buckets per device
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

Order No.	VARIOKLAV MedLine 65 TC
51024308	**Medical device 65 TC, tabletop model,** 1 StE, complete, according to EN 285:2009, 65 litres chamber, (WxHxD) 330x330x630 mm, 9.3 kW, 3Nx400Vx16A, stainless steel cladding for instruments, textiles, hollow bodies and pharmaceutical products GMP batch printer, VT modul, sterile air ventilation

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Order No.	VARIOKLAV BlueLine 75 S und 100 S
51024301	**VARIOKLAV 75 S Steam Sterilizer, floor model, basic unit,** usable volume 75 litres, (ØxL) 400x600 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902900	**VARIOKLAV 100 S Steam Sterilizer, floor model, basic unit,** usable volume 100 litres, (ØxL) 400x800 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure

	DEVICE OPTIONS
51900825	**Autoclave enclosure made of stainless steel,** finely polished, instead of powder coating
51900826	**Validation port 6-fold,** for up to 6 temperature sensors PT 100, conforming to standards
51900851	**Set of castors with parking brake,** for portable installation of freestanding units, 1 kit = 4 pieces

	MODULE OPTIONS
51900818	**MT media temperature control,** with flexible temperature probe, control via temperature of liquids or media
51900801	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900803	**RG module - fast cooling for liquids in open and pressure-sealed closed vessels,** including RM cooling module, additionally with sterile support pressure and radial fan for steam circulation, external compressed air connection required
51900805	**VF module - fractionated pre-vacuum,** for hard-to-venting solid and porous materials in particular hollow bodies and trash in bags, including program for simple pre-vacuum
51900807	**VT module - vacuum drying,** including VF module, post-drying with vacuum, double jacket steam-heated, for all solid and porous materials, including sterile ventilation, recommended drying time 15 to 60 min
51900809	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900810	**GLP batch printer,** integrated, for direct documentation of chamber and media temperature as well as chamber pressure
51900811	**GMP batch printer,** integrated, for independent documentation of chamber temperature, media temperature and chamber pressure as well as separate process documentation via double sensors, including calibration certificates according to ISO 9000, GMP compliant
51900827	**Sterile air ventilation,** sterile ventilation of the chamber at the end of the sterilization process

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	SPECIAL PROGRAMS
51900812	**Steam pot program,** including media temperature control
51900813	**Durham tube program (bouillion program),** possible from RM module - fast cooling for liquids in open vessels
51900815	**Sterilization temperature increase to 140°C in saturated steam,** for all programs, to 140°C adjustable setpoint

	ACCESSORIES
50095875	**Lifting hoist,** for easy loading and unloading, powder-coated, stroke 900 mm, load capacity 40 kg
50097753	**Lifting hoist,** for easy loading and unloading, stainless steel, stroke 900 mm, load capacity 40 kg
50091747	**Wire basket round,** (ØxH) 385x260 mm, stackable, max. 2 baskets per device
50110034	**Wire basket round,** (ØxH) 385x248 mm, stackable, max. 2 baskets per device, special size
50091196	**Wire basket round with drip tray,** (ØxH) 385x260 mm, stackable, tray height 50 mm, max. 2 baskets per device
50092106	**Metal bucket round,** (ØxH) 390x280 mm, stackable, max. 2 buckets per device
50095759	**Metal bucket round with rotating lid,** (ØxH) 390x280 mm, not stackable, max. 1 bucket per device
50094348	**Desalination cartridge for water desalination,** type 2800, with conductivity meter and hose set
50094349	**Desalination cartridge for water desalination,** type 2800, replacement cartridge for alternating operation
50085029	**Aquastop,** for up to 3 water supply lines leading, completely ready, continuous operation
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

Order No.	VARIOKLAV BlueLine 135 S, 155 S, 175 S
51024302	**Basic unit: VARIOKLAV 135 S Steam sterilizer, floor model, basic unit,** usable volume 135 litres, (ØxL) 500x700 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902901	**Basic unit: VARIOKLAV 155 S Steam sterilizer, floor model, basic unit,** usable volume 155 litres, (ØxL) 500x800 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902902	**Basic unit: VARIOKLAV 175 S Steam sterilizer, floor model, basic unit,** usable volume 175 litres, (ØxL) 500x900 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure

	DEVICE OPTIONS
51900825	**Autoclave enclosure made of stainless steel,** finely polished, instead of powder coating
51900826	**Validation port 6-fold,** for up to 6 temperature sensors PT 100, conforming to standards
51900851	**Set of castors with parking brake,** for portable installation of freestanding units, 1 kit = 4 pieces

	MODULE OPTIONS
51900818	**MT media temperature control,** with flexible temperature probe, control via temperature of liquids or media
51900801	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900803	**RG module - fast cooling for liquids in open and pressure-sealed closed vessels,** including RM cooling module, additionally with sterile support pressure and radial fan for steam circulation, external compressed air connection required
51900805	**VF module - fractionated pre-vacuum,** for hard-to-venting solid and porous materials in particular hollow bodies and trash in bags, including program for simple pre-vacuum
51900807	**VT module - vacuum drying,** including VF module, post-drying with vacuum, double jacket steam-heated, for all solid and porous materials, including sterile ventilation, recommended drying time 15 to 60 min
51900809	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900810	**GLP batch printer,** integrated, for direct documentation of chamber and media temperature as well as chamber pressure
51900811	**GMP batch printer,** integrated, for independent documentation of chamber temperature, media temperature and chamber pressure as well as separate process documentation via double sensors, including calibration certificates according to ISO 9000, GMP compliant
51900827	**Sterile air ventilation,** sterile ventilation of the chamber at the end of the sterilization process

Order No.	VARIOKLAV BlueLine 135 S, 155 S, 175 S

	SPECIAL PROGRAMS
51900812	**Steam pot program,** including media temperature control
51900813	**Durham tube program (bouillion program),** possible from RM module - fast cooling for liquids in open vessels
51900815	**Sterilization temperature increase to 140°C in saturated steam,** for all programs, to 140°C adjustable setpoint
606985	**C-waste disinfection,** certified procedure (RKI), required module options: VF + RG + FA + GMP, programs for c-waste solid and C-waste liquid

	ACCESSORIES
50095876	**Lifting hoist,** for easy loading and unloading, powder-coated, stroke 900 mm, load capacity 40 kg
50097752	**Lifting hoist,** for easy loading and unloading, stainless steel, stroke 900 mm, load capacity 40 kg
50091748	**Wire basket round,** (ØxH) 485x200 mm, stackable, max. 3 baskets per device
50099633	**Wire basket round,** (ØxH) 485x240 mm, stackable, max. 2 baskets per device, special size
50092114	**Wire basket round,** (ØxH) 485x320 mm, stackable, max. 2 baskets per device
50092112	**Wire basket with drip tray, round,** (ØxH) 485x320 mm, stackable, tray height 50 mm, max. 2 baskets per device
50090683	**Hanging tray for sterilization baskets,** Ø 470 mm, including 4 mounting brackets for further loading level in the basket
50099824	**Metal bucket round,** (ØxH) 470x310 mm, stackable, max. 2 buckets per device
50095753	**Metal bucket round with rotating lid,** (ØxH) 490x345 mm, not stackable, max. 1 bucket per device
50094348	**Desalination cartridge for water desalination,** type 2800, with conductivity meter and hose set
50094349	**Desalination cartridge for water desalination,** type 2800, replacement cartridge for alternating operation
50085029	**Aquastop,** for up to 3 water supply lines leading, completely ready, continuous operation
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

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Order No.	VARIOKLAV BlueLine 75 T und 100 T
51024303	**VARIOKLAV 75 T Steam Sterilizer, tabletop model, basic unit,** usable volume 75 litres, (ØxL) 400x600 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902903	**VARIOKLAV 100 T Steam Sterilizer, tabletop model, basic unit,** usable volume 100 litres, (ØxL) 400x800 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure

	DEVICE OPTIONS
51900825	**Autoclave enclosure made of stainless steel,** finely polished, instead of powder coating
51900826	**Validation port 6-fold,** for up to 6 temperature sensors PT 100, conforming to standards

	MODULE OPTIONS
51900818	**MT media temperature control,** with flexible temperature probe, control via temperature of liquids or media
51900801	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900803	**RG module - fast cooling for liquids in open and pressure-sealed closed vessels,** including RM cooling module, additionally with sterile support pressure and radial fan for steam circulation, external compressed air connection required
51900805	**VF module - fractionated pre-vacuum,** for hard-to-venting solid and porous materials in particular hollow bodies and trash in bags, including program for simple pre-vacuum
51900807	**VT module - vacuum drying,** including VF module, post-drying with vacuum, double jacket steam-heated, for all solid and porous materials, including sterile ventilation, recommended drying time 15 to 60 min
51900809	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900810	**GLP batch printer,** integrated, for direct documentation of chamber and media temperature as well as chamber pressure
51900811	**GMP batch printer,** integrated, for independent documentation of chamber temperature, media temperature and chamber pressure as well as separate process documentation via double sensors, including calibration certificates according to ISO 9000, GMP compliant
51900827	**Sterile air ventilation,** sterile ventilation of the chamber at the end of the sterilization process

Order No.	VARIOKLAV BlueLine 75 T und 100 T

	SPECIAL PROGRAMS
51900813	**Durham tube program (bouillion program),** possible from RM module - fast cooling for liquids in open vessels
51900815	**Sterilization temperature increase to 140°C in saturated steam,** for all programs, to 140°C adjustable setpoint

	ACCESSORIES
50098202	**Undercarriage 75 T,** (WxHxD) 532x805x708 mm, with additional shelf, extensible, 2 casters on the back, stainless steel, max. load capacity 300 kg
604791	**Undercarriage 100 T,** (WxHxD) 532x805x908 mm, with additional shelf, extensible, 2 casters on the back, stainless steel, max. load capacity 300 kg
51900834	**Center shelf 75 T	100 T,** (WxHxD) 360x15x580 mm	(WxHxD) 360x15x580 mm, stainless steel, loading level height adjustable in four positions
50101326	**Wire basket cubic,** (WxHxD) 300x120x535 mm, stackable, max. 2 buckets per device
50101323	**Metal tub cubic,** (WxHxD) 290x80x535 mm, stackable, max. 2 tubs per device
50094348	**Desalination cartridge for water desalination,** type 2800, with conductivity meter and hose set
50094349	**Desalination cartridge for water desalination,** type 2800, replacement cartridge for alternating operation
50085029	**Aquastop,** for up to 3 water supply lines leading, completely ready, continuous operation
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

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VARIOKLAV BlueLine.

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Order No.	VARIOKLAV BlueLine 135 T, 155 T, 175 T, 195 T
51024304	**VARIOKLAV 135 T Steam Sterilizer, tabletop model, basic unit,** usable volume 135 litres, (ØxL) 500x700 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902904	**VARIOKLAV 155 T Steam Sterilizer, tabletop model, basic unit,** usable volume 155 litres, (ØxL) 500x800 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902905	**VARIOKLAV 175 T Steam Sterilizer, tabletop model, basic unit,** usable volume 175 litres, (ØxL) 500x900 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure
51902906	**VARIOKLAV 195 T Steam Sterilizer, tabletop model, basic unit,** usable volume 195 litres, (ØxL) 500x1000 mm, integrated exhaust steam condenser ADI, separate steam generator, powder-coated enclosure

	DEVICE OPTIONS
51900825	**Autoclave enclosure made of stainless steel,** finely polished, instead of powder coating
51900826	**Validation port 6-fold,** for up to 6 temperature sensors PT 100, conforming to standards

	MODULE OPTIONS
51900818	**MT media temperature control,** with flexible temperature probe, control via temperature of liquids or media
51900801	**RM module - fast cooling for liquids in open vessels,** direct jacket cooling with demineralised water, including MT media temperature control and sterile ventilation
51900803	**RG module - fast cooling for liquids in open and pressure-sealed closed vessels,** including RM cooling module, additionally with sterile support pressure and radial fan for steam circulation, external compressed air connection required
51900805	**VF module - fractionated pre-vacuum,** for hard-to-venting solid and porous materials in particular hollow bodies and trash in bags, including program for simple pre-vacuum
51900807	**VT module - vacuum drying,** including VF module, post-drying with vacuum, double jacket steam-heated, for all solid and porous materials, including sterile ventilation, recommended drying time 15 to 60 min
51900809	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
51900810	**GLP batch printer,** integrated, for direct documentation of chamber and media temperature as well as chamber pressure
51900811	**GMP batch printer,** integrated, for independent documentation of chamber temperature, media temperature and chamber pressure as well as separate process documentation via double sensors, including calibration certificates according to ISO 9000, GMP compliant
51900827	**Sterile air ventilation,** sterile ventilation of the chamber at the end of the sterilization process

Order No.	VARIOKLAV BlueLine 135 T, 155 T, 175 T, 195 T

	SPECIAL PROGRAMS
51900813	**Durham tube program (bouillion program),** possible from RM module - fast cooling for liquids in open vessels
51900815	**Sterilization temperature increase to 140°C in saturated steam,** for all programs, to 140°C adjustable setpoint

	ACCESSORIES
50098207	**Undercarriage 135 T,** stainless steel, (WxHxD) 632x800x788 mm, with additional shelf, 2 casters on the back, max. load capacity 300 kg
50101130	**Undercarriage 155 T,** stainless steel, (WxHxD) 632x800x888 mm, with additional shelf, 2 casters on the back, max. load capacity 300 kg
607134	**Undercarriage 175 T,** stainless steel, (WxHxD) 632x800x988 mm, with additional shelf, 2 casters on the back, max. load capacity 300 kg
607131	**Undercarriage 195 T,** stainless steel, (WxHxD) 632x800x1088 mm, with additional shelf, 2 casters on the back, max. load capacity 300 kg
51900835	**Center shelf 135 T, 155 T, 175 T, 195 T,** (WxHxD) 460x15x645 mm | 160x15x745 mm | 460x15x845 mm | 460x15x945 mm, loading level height adjustable in four positions, stainless steel
50101327	**Wire basket cubic,** (WxHxD) 345x170x335 mm, stackable, max. 4 baskets per device
50101325	**Metal tub cubic,** (WxHxD) 290x80x535 mm, stackable, max. 2 tubs per device
50094348	**Desalination cartridge for water desalination,** type 2800, with conductivity meter and hose set
50094349	**Desalination cartridge for water desalination,** type 2800, replacement cartridge for alternating operation
50085029	**Aquastop,** for up to 3 water supply lines leading, completely ready, continuous operation
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume
607430	**SegoSoft,** digital cycle and process documentation, software and SegoSerial module, RS-232/USB-interface, digital signature according to signature law, incl. cable 3m
609496	**SegoSoft,** digital cycle and process documentation, software and SegoConnect module, RS-232/ethernet-interface, digital signature according to signature law, incl. cable 3m

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VARIOKLAV®
GreenLine.

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Order No.	VARIOKLAV GreenLine 80 S
608379	**VARIOKLAV GreenLine 80 S Steam Sterilizer, floor model, basic unit,** usable volume 80 litres, (ØxL) 400x600 mm, feed water volume 5 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar

	MODULE OPTIONS
51900802	**RL module – fast cooling for liquids in open vessels,** effective recooling through air flow ducts on the outside of the vessel, no additional on-site connections, no cooling water required
604790	**FA module – exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
608787	**ADI – Steam spent condenser,** condensate cooling with tap water, on-site water connection required
50103739	**Set of castors with parking brake,** for portable installation of freestanding units, 1 kit = 4 pieces

	ACCESSORIES
609520	**Lifting hoist,** for easy loading and unloading, powder-coated, stroke 900 mm, load capacity 40 kg
50091747	**Wire basket round,** (ØxH) 385x260 mm, stackable, max. 2 baskets per device
50110034	**Wire basket round,** (ØxH) 385x248 mm, stackable, max. 2 baskets per device, special size
50091196	**Wire basket round with drip tray,** (ØxH) 385x260 mm, stackable, tray height 50 mm, max. 2 baskets per device
50092106	**Metal bucket round,** (ØxH) 390x280 mm, stackable, max. 2 buckets per device
50095759	**Metal bucket round with rotating lid,** (ØxH) 390x280 mm, not stackable, max. 1 bucket per device
50089353	**Condensate collector,** for waste steam and condensate, 20 litres, made of PE plastic, with stainless steel immersion tube and quick coupling as well as hose set
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume

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Order No.	VARIOKLAV GreenLine 140 S, 160 S, 180 S
608931	**VARIOKLAV GreenLine 140 S Steam Sterilizer, floor model, basic unit,** usable volume 140 litres, (ØxL) 500x700 mm, feed water volume 7 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar
608943	**VARIOKLAV GreenLine 160 S Steam Sterilizer, floor model, basic unit,** usable volume 160 litres, (ØxL) 500x800 mm, feed water volume 7 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar
608944	**VARIOKLAV GreenLine 180 S Steam Sterilizer, floor model, basic unit,** usable volume 180 litres, (ØxL) 500x900 mm, feed water volume 7 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar

	MODULE OPTIONS
51900802	**RL module – fast cooling for liquids in open vessels,** effective recooling through air flow ducts on the outside of the tank, no additional on-site connections, no cooling water required
604790	**FA module – exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
608787	**ADI – Steam spent condenser,** condensate cooling with tap water, on-site water connection required
50103739	**Set of castors with parking brake,** for portable installation of freestanding units, 1 kit = 4 pieces

	ACCESSORIES
609367	**Lifting hoist,** for easy loading and unloading, powder-coated, stroke 900 mm, load capacity 40 kg
50091748	**Wire basket round,** (ØxH) 485x200 mm, stackable, max. 3 baskets per device
50099633	**Wire basket round,** (ØxH) 485x240 mm, stackable, max. 2 baskets per device, special size
50092114	**Wire basket round,** (ØxH) 485x320 mm, stackable, max. 2 baskets per device
50092112	**Wire basket with drip tray, round,** (ØxH) 485x320 mm, stackable, tray height 50 mm, max. 2 baskets per device
50090683	**Hanging tray for sterilization baskets,** Ø 470 mm, including 4 mounting brackets for further loading level in the basket
50099824	**Metal bucket round,** (ØxH) 470x310 mm, stackable, max. 2 buckets per device
50095753	**Metal bucket round with rotating lid,** (ØxH) 490x345 mm, not stackable, max. 1 bucket per device
50089353	**Condensate collector,** for waste steam and condensate, 20 litres, made of PE plastic, with stainless steel immersion tube and quick coupling as well as hose set
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume

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VARIOKLAV®
GreenLine.

Order No.	VARIOKLAV GreenLine 80 T
608930	**GreenLine 80 T Steam Sterilizer, tabletop model, basic unit,** usable volume 80 litres, (ØxL) 400x625 mm, feed water volume 5 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar

	MODULE OPTIONS
51900802	**RL module - fast cooling for liquids in open vessels,** effective recooling through air flow ducts on the outside of the tank, no additional on-site connections, no cooling water required
604790	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
608787	**ADI - Steam spent condenser,** condensate cooling with tap water, on-site water connection required

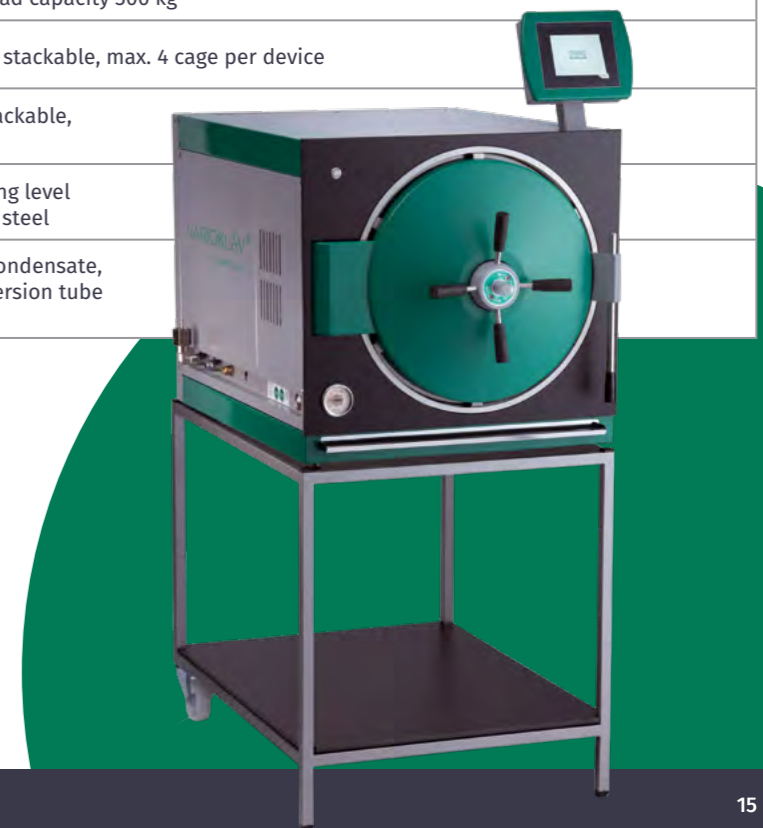|	ACCESSORIES
50085023	**Undercarriage 80 T,** (WxHxD) 60x80x73 mm, max. weight 300 kg, with additional shelf, extensible, 2 casters on the back, stainless steel
50085020	**Center shelf,** (WxHxD) 360x15x580 mm, loading level height adjustable in four positions, stainless steel
50101326	**Wire basket cubic,** (WxHxD) 300x120x535 mm, stackable, max. 2 baskets per device
50085013	**Metal tub cubic,** (WxHxD) 290x80x535 mm, stackable, max. 2 tubs per device
50089353	**Condensate collector,** for waste steam and condensate, 20 litres, made of PE plastic, with stainless steel immersion tube and quick coupling as well as hose set

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EXCELLENCE IN AUTOCLAVES

Order No.	VARIOKLAV GreenLine 140 T, 160 T, 180 T, 200 T
608932	**VARIOKLAV GreenLine 140 T Steam Sterilizer, tabletop model, basic unit,** usable volume 140 litres, (ØxL) 500x725 mm, feed water volume 8 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar
608946	**VARIOKLAV GreenLine 160 T Steam Sterilizer, tabletop model, basic unit,** usable volume 160 litres, (ØxL) 500x825 mm, feed water volume 10 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar
608947	**VARIOKLAV GreenLine 180 T Steam Sterilizer, tabletop model, basic unit,** usable volume 180 litres, (ØxL) 500x925 mm, feed water volume 12 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar
608948	**VARIOKLAV GreenLine 200 T Steam Sterilizer, tabletop model, basic unit,** usable volume 200 litres, (ØxL) 500x1025 mm, feed water volume 14 litres, MT media temperature control with flexible temperature probe, max. operating pressure -1 (vakuum fixed) up to 2.5 bar

	MODULE OPTIONS
51900802	**RL module - fast cooling for liquids in open vessels,** effective recooling through air flow ducts on the outside of the vessel, no additional on-site connections, no cooling water required
604790	**FA module - exhaust air filtration with condensate sterilization,** for all contaminated sterile goods, recommended for security level L1 (S1), required from security level L2 (S2) by surveillance authority
608787	**ADI - Steam spent condenser,** condensate cooling with tap water, on-site water connection required

	ACCESSORIES
609329	**Undercarriage 140 T,** (WxHxD) 632x800x790 mm, with additional shelf, 2 casters on the back, stainless steel, max. load capacity 300 kg
609351	**Undercarriage 160 T,** (WxHxD) 632x800x890 mm, with additional shelf, 2 casters on the back, stainless steel, max. load capacity 300 kg
609352	**Undercarriage 180 T,** (WxHxD) 632x800x990 mm, with additional shelf, 2 casters on the back, stainless steel, max. load capacity 300 kg
609353	**Undercarriage 200 T,** (WxHxD) 632x800x1090 mm, with additional shelf, 2 casters on the back, stainless steel, max. load capacity 300 kg
50101327	**Wire basket cubic,** (WxHxD) 350x170x335 mm, stackable, max. 4 cage per device
50101325	**Metal tub cubic,** (WxHxD) 350x80x335 mm, stackable, max. 4 tubs per device
50085021	**Center shelf,** (WxHxD) 360x15x580 mm, loading level height adjustable in four positions, stainless steel
50089353	**Condensate collector,** for waste steam and condensate, 20 litres, plastic PE, with stainless steel immersion tube and quick coupling as well as hose set

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VARIOKLAV®
OrangeLine.

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Order No.	VARIOKLAV OrangeLine
51024987	**VARIOKLAV Steam pot, floor model,** for warming, heating and pressureless steaming of nutrient media, usable volume 95 litres, 3.6 kW, heat holding temperature from 40 °C - 98 °C

	MODULE OPTIONS
51901803	**Radial fan steam pot,** integrated in the rear wall of the chamber
51902845	**Bottom emptying,** manually
51901845	**Automatic water supply,** with level monitoring

	ACCESSORIES
50091747	**Wire basket round,** (ØxH) 385x260 mm, stackable, max. 2 baskets per device
50107364	**Magnetic stirrer with one stirring point,** including stirring bar and external control unit, pressure-tight encapsulated, integrated in the sterilizer, max. 40 litres stirring volume

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Delivery

Delivery free to place of use, the unit must be able to be brought in at ground level with a lift truck and transported within the building by one person via lifts (no steps) to the place of installation. Applies only to domestic deliveries.

For installation and commissioning, the supply and disposal connections required on site must be available in accordance with our technical data sheets.

The German Ordinance on Industrial Safety and Health (Betriebssicherheitsverordnung) requires an installation inspection by a competent person before commissioning.

The prices do not include the German statutory value-added tax. Subject to technical and price changes!

Delivery, incl. packaging, transport, installation, commissioning, instruction and installation inspection by a competent person in accordance with the German Ordinance on Industrial Safety and Health.

Order No.	Sterilizer types
Z09	**VARIOKLAV BlueLine** 25 T
Z09	**VARIOKLAV GreenLine** 80 S, 140 S, 160 S, 180 S, 80 T, 140 T, 160 T, 180 T, 200 T
Z09	**VARIOKLAV BlueLine** 75 S, 100 S, 135 S, 155 S, 65 T, 75 T, 100 T, 135 T

Our concept – the modular device concept

Choosing a basic device

Floor or tabletop model?
Floor models make the best use out of the chamber volume by using baskets with the height of respective bottles. Tabletop models can be easily loaded and unloaded, can be charged without baskets and require a massive table or an undercarriage.

Application areas

The basic devices of our models are already equipped for typical laboratory tasks. Sterilizers are part of the standard equipment of every microbiological laboratory. Liquids and culture media are usually autoclaved at 121°C and 134°C.

This complies with the requirements of most application fields. The basic devices of our models are already equipped for these typical laboratory tasks. If monitoring of production processes is needed, a special module makes the sterilization data traceable by printing it directly or by transferring it to external software. Classifications for biological and genetically modified agents or infectious germs in the clinical field are defined according to their risk.

Classifications for biological and genetically modified agents or infectious germs in the clinical field are defined according to their risk. (also see Guideline for sterilization).

● ● ● The Original in proven quality

Individual solutions for various requirements

The devices are available in many different sizes
There are volumes of 25 to 200 litress. All models are characterized by a small footprint, because space in laboratories is expensive.
In addition, they offer easy installation, a low electrical connection value and a low VE water consumption of approx. 0.4 to 6 litress per batch.

Customer-oriented processes

How often and what is sterilized at what quality requirements ? Apart from few exceptions all applications typical for a laboratory are covered by the two fast cooling modules and the two vacuum processes pre-vacuum for deareation and post-vacuum for drying.

Using these, sterilization processes of liquids in open and hermetically-closed vessels as well as solid and porous goods (expendable materials) are swiftly performed with high quality.

When potentially hazardous agents are involved, the respective requirements and regulations need to be fulfilled. In these cases the module exhaust air filtration with condensate sterilization in combination with the documentation module (for traceability of the sterilizing process) ensures a validated and safe operation.

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Guideline for sterilization

Einsatzgebiete	Arbeitsbereiche und Ziele	Normen, Regelwerke
Liquids, expendable materials and equipment	Sterile working and experimental conditions in microbiological laboratory, production of culture media	DIN 58951 GLP
Laboratories with requirements according to the classification of biological agents in risk groups	Decontamination of equipment, sterile disposal of products, potentially infectious laboratory waste including wastewater in the risk groups 1 to 4	DIN 58951 BiostoffV GLP, GMP
Laboratories with genetically modified agents, evaluation according to the classification in security levels	Decontamination of equipment, sterile disposal of products, waste and wastewater of laboratories in the security levels 1 to 4	DIN 58951 GenTechG, Gen TSV GLP, GMP
Clinical laboratories, risks according to the classification of infectious germs in resistance levels	Decontamination of equipment, safe disinfection and sterilization of infectious pathogens and C-waste of clinical applications in 'moist heat'	DIN 58951 Infektionsschutzgesetz (IFSG) RKI-Richtlinie
Manufacturing of sterile, pharmaceutical and medical products	Pharmaceutical products, e.g. provision of medical care through validated processes	DIN 58950, GLP, GMP, FDA, Arzneimittelgesetz, MPG, DIN EN 17665
Provision of medical products in health services	Sterilization and storage of products for medical care provision through validated processes	DIN EN 285, DIN EN 13060, DIN EN 17665, MPG, MPBetreibV, RKI-Richtlinie
Verifying sterilizability and useful life	Determination of required sterilizing parameters for working equipment, expendable materials, indicators, e.g. process steps, reproducibility, thermal fatigue resistance	DIN EN 285 DIN EN 13060 DIN EN 17665
Long term tests of products in a pressure climate chamber in saturated steam	Verifying thermal and pressure resistance, artificial aging, wear and diffusion behaviour of glass	z.B. HAST-Test DIN 52339

Customer-oriented solutions for the steam sterilization

Versatile and expandable modules for individual requirements

The VARIOKLAV models can be optimally configured for a variety of application due to this wide selection. Standard units can be equipped with many different modules, enabling:

- High throughput by fast cooling sterilization of liquids and culture media
- Sterilization of solids and porous goods with pre-vacuum (waste) and additionally with drying vacuum (e.g. glass)
- Exhaust-air filtration with condensate sterilization
- GLPxGMP sterilization cycle traceability
- Chamber extension and variable equipment options for special applications available on demand
- Media temperature-controlled timing module for sterilizing large liquid volumes or documenting reaction times

Easy, efficient, reliable

Ideally suited for laboratories where space is at a premium, our VARIOKLAV range spans slimline floor model and compact tabletop autoclaves with capacities from 25 to 200 litres. Units are fully equipped for routine sterilization tasks in laboratories, and can be customized with a variety of modules to provide unmatched versatility for specialist processes and high throughput applications.

- Four standard programs for safe sterilization of liquids, culture media, equipment and waste
- Fast, optimized deaeration with steam flushing and up to eight pressure changes
- Fast heating and cool-down for rapid throughput
- All processes can be validated

●●● The German Original

Safe operation

Steam pressure that impacts on lids and doors is evenly distributed across multiple points on the closing ring of the fast closing system, ensuring maximum safety.

Two pressure sensors check for complete pressure release before VARIOKLAV autoclaves can be opened.

Air operated valves instead of solenoid valves require low maintenance and are reliably pressure and vacuum tight.

Uniquely small due to the space-saving steam generator

VARIOKLAV laboratory autoclaves are characterized by their compact size. They are equipped with an ultra-flat steam generator that reduces external autoclave dimensions to a minimum.

Performance you can trust – with the modularity to meet your needs

HP Medizintechnik GmbH VARIOKLAV laboratory autoclaves are designed and manufactured to exacting quality standards for safe, reproducible steam sterilization performance.

HP Medizintechnik GmbH is a certified manufacturer of steam sterilizers for medical purposes according to the German Medical Devices Act (MPG)

HP LABORTECHNIK

HP Labortechnik: Your reliable partner for steam sterilisation since 1979.

For more than 40 years, HP has already stood for the highest quality and professional competence in the field of medical technology and laboratory technology.

Since the foundation of HP Labortechnik GmbH in 1979, our high-quality VARIOKLAV® steam sterilisers have been developed, manufactured and distributed in Munich.

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