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Specifications Labsaver® F90 Safety Cabinets

Version 1.7 | June 9, 2026

F90 Hiltra® Labsaver® Fire-Rated Storage Cabinets LS620 - LS1220-EN

Design & fire resistance:

- Construction and configuration in accordance with the requirements of PGS 15:2021, version 1.0 (August 2021).
- Cabinets are suitable for indoor use only.
- Fire resistance of 90 minutes determined in accordance with European Standard (NEN-)EN 14470-1:2004 (for cabinets with a cubic volume of 1 m³) by the accredited testing institute MPA Dresden. Labsaver model LS620-EN complies with MPA certificate 2009-B-0024. Labsaver model LS1220-EN complies with MPA certificate 2008-B-4045. Note: For cabinets with a cubic volume of 2 m³, (NEN) EN 14470-1:2023 applies.
- Tested in accordance with European standards EN 16121 & EN 16122; Labsaver model LS620-EN complies with MPA certificate P000510830, Labsaver model LS1220-EN in accordance with MPA certificate P000510830/01.
- CE Declaration of Conformity in accordance with European Standard EN 45014.
- Interior lining: Formaldehyde emission class E1 per EN 13986; biological risk class 1 per EN 335-3; fire class B-s2,dO per EN 13501-1:2002.

Casing:

- Cabinet body and door made of Zincor steel and powder-coated in RAL 1007/daffodil yellow or RAL 7035/light gray.
- Fire-resistant insulation package made of non-combustible, environmentally friendly materials, finished with a white, impact- and scratch-resistant HPL top layer.
- Cabinet body is potential-free grounded to the grounding connection point on the cabinet roof.
- Cabinet interior is optionally potential-free grounded to the grounding connection point on the cabinet roof.
- Equipped as standard with freely adjustable leveling feet (±20 mm) for leveling the cabinet.

Door:

- Front equipped with a single or double self-closing hinged door with a handle positioned at an ergonomic height and lockable with a cylinder lock (includes 2 keys).
- The door is optionally available with a Thermolock fire-resistant locking mechanism, allowing it to remain open at an angle of 90º to 100º but to close automatically in the event of a fire.
- The door jamb is equipped with fire-sealing strips that expand in the event of a fire, ensuring the door jamb is hermetically sealed.

- Optionally available with Thermolock: The Thermolock locking and latching system allows the door(s) of the Labsaver® to be locked in an approximately 90° position. When a temperature of approximately 76°C is reached, the lock will release and the door closer will automatically close the door.

Interior:

- Interior made of Zincor steel and powder-coated in RAL 7035/light gray.
- Equipped with a removable, liquid-tight drip tray featuring a removable insert grid, with a load capacity of up to 75 kg.
- Note: According to NEN-EN 14470-1, a bottom collection tray without an insert grid may not be used as a placement or storage surface for packaging.
- The cabinet's side walls are equipped with powder-coated steel shelf mounting plates featuring a hook-in grid for the shelves, which are height-adjustable in 50-mm increments.
- The shelf mounting plate also serves as a liquid-containment plate.
- Equipped with 3 freely removable shelves featuring a 30 mm high raised edge as a slide-off protection and capable of supporting up to 75 kg with an evenly distributed load.

Ventilation openings:

- Equipped with an integrated air intake and exhaust channel in the rear wall.
- One exhaust vent in the cabinet above the bottom drip tray (low) and one ventilation opening in the rear wall (high).
- The supply and exhaust duct is equipped with fire dampers that close automatically in the event of a fire.
- Air intake and exhaust openings on the roof are equipped with a flange measuring Ø 80 x H 65 mm for on-site connection to a ventilation system or an optional cabinet fan.

Hazard warning:

- Hazard indication via the type label with pictograms prescribed in EN 14470-1, symbols: "No smoking or open flames" and "Flammable substances."

LS620-EN Options:
060600215 Thermolock door-locking and automatic fire-closing system
060600207 Additional shelf
060600203 Steel drip tray, 466 x 420 x 80 mm, capacity 15.32 liters—only when used in combination with an (additional) shelf
060600212 HDPE drip tray, 488 x 415 x 50 mm, capacity 14.85 liters; for use only in combination with an (additional) shelf
120600218 Potential-free grounding for interior fittings
190170400 SWD Fan ENG 1–1.6 230V 0.2 A 24W IP20, steel
190170500 ATEX Fan ENG 2–2.5, 230V 1.07A 120W IP55, steel

Options for LS1220-EN:
120600216 Thermolock door-locking and automatic fire-closing system
120600208 Additional shelf
120600206 Reinforcement profiles for shelf (load capacity up to 110 kg)
120600203 Steel drip tray, 1070 x 420 x 80 mm, capacity 35.25 liters—only when used in combination with an (additional) shelf
120600212 HDPE drip tray, 1060 x 415 x 50 mm, capacity 22.25 liters—for use only in combination with an (additional) shelf
120600218 Potential-free grounding for interior fittings
190170400 SWD Fan ENG 1-1.6 230V 0.2 A 24W IP20, steel

190170500 ATEX Fan ENG 2–2.5, 230V, 1.07A, 120W, IP55, steel

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PRODUCT DATA SHEET Hiltra®: Hiltra® Labsaver® F90 LS620-EN - gray



Size Hiltra® Labsaver® F90 LS620-EN - gray

Article number	060600200
Fire Resistance	90 minutes
External Dimensions (W x D x H)	approx. 600 x 600 x 2035 mm
Internal Dimensions (W x D x H)	approx. 492 x 450 x 1,824 mm
Internal height from the drip tray	approx. 1724 mm
Door	Only
Interior Design	3 adjustable shelves, 1 bottom drip tray with insert grid
Shelf Dimensions WxDxH	approx. 466 x 420 x 30 mm
Shelf Load Capacity	75 kg with an evenly distributed load
Dimensions of the bottom drip tray (WxDxH)	approx. 490 x 440 x 80/100 mm
Load capacity of the bottom drip tray	75 kg with an evenly distributed load
Capacity of the soil drip tray	approx. 17.7 liters
Maximum permitted packaging size	16 liters
Storage Capacity	177 liters
Dead weight	approx. 230 kg
Packaging, transportation	on a pallet, upright, H=2200 mm

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS620	060600215
Flat shelf (extra) for LS620 steel RAL7035 gray	060600207
Drip tray steel H= 80 mm for LS620 RAL7035 gray	060600203
Top-mounted drip tray HDPE 460x420x50/6 mm for LS620	060600212
SWD Fan ENG 1-1.6 230V 0.2A 24W IP20, steel	190170400
SWD fan ENG 1-1,6 230V 0,2A 24W IP20, stainless steel	190170601
Atex fan ENG 2-2.5 230V 1.07A 120W IP55, steel	190170500
Atex Fan ENG 2-2.5 230V 1.07A 120W IP55, Stainless Steel	190170600
Potential-free grounding for internal installation for LS620 and LS1220	120600218
SWD Motor Protection Switch 0.16A–0.25A, individual unit	820300104
SWD Motor Protection Switch 1.0A–1.6A, individual unit	820300110
ATEX Motor Protection Switch 1.0A–1.6A, Standalone	820300105
SWD Circuit Breaker, 3-pole, 16A, individual unit	190170402
ATEX Main Switch, 3-pole, 16A, standalone	190170502
stainless steel transport pedestal LS620-EN	060600225
Steel Floor Collection Tray, PC, RAL 7035/Light Gray, for LS620	060600209
Steel Insert Grid, PC, RAL 7035/Light Gray, for LS620	060600211

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PRODUCT DATA SHEET Hiltra®: Hiltra® Labsaver® F90 LS620-EN - yellow



Size Hiltra® Labsaver® F90 LS620-EN - yellow

Article number	060600202
Fire Resistance	90 minutes
External Dimensions (W x D x H)	approx. 600 x 600 x 2,035 mm
Internal Dimensions (W x D x H)	approx. 492 x 450 x 1824 mm
Internal height from the drip tray	approx. 1724 mm
Door	Only
Interior Design	3 adjustable shelves, 1 bottom drip pan with insert grid
Shelf Dimensions WxDxH	approx. 466 x 420 x 30 mm
Shelf load capacity	75 kg with an evenly distributed load
Dimensions of the bottom drip tray (WxDxH)	approx. 490 x 440 x 80/100 mm
Load-bearing capacity of the bottom drip pan	75 kg with an evenly distributed load
Capacity of the bottom drip tray	approx. 17.7 liters
Maximum permitted packaging size	16 liters
Storage Capacity	177 liters
Dead weight	approx. 230 kg
Packaging, transportation	on a pallet, upright, H=2200 mm

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS620	060600215
Flat shelf (extra) for LS620 steel RAL7035 gray	060600207
Drip tray steel H= 80 mm for LS620 RAL7035 gray	060600203
Top-mounted drip tray HDPE 460x420x50/6 mm for LS620	060600212
SWD Fan ENG 1-1.6 230V 0.2A 24W IP20, steel	190170400
SWD fan ENG 1-1,6 230V 0,2A 24W IP20, stainless steel	190170601
Atex fan ENG 2-2.5 230V 1.07A 120W IP55, steel	190170500
Atex Fan ENG 2-2.5 230V 1.07A 120W IP55, Stainless Steel	190170600
Potential-free grounding for internal installation for LS620 and LS1220	120600218
SWD Motor Protection Switch 0.16A–0.25A, individual unit	820300104
SWD Motor Protection Switch 1.0A–1.6A, individual unit	820300110
ATEX Motor Protection Switch 1.0A–1.6A, Standalone	820300105
SWD Circuit Breaker, 3-pole, 16A, individual unit	190170402
ATEX Main Switch, 3-pole, 16A, standalone	190170502
stainless steel transport pedestal LS620-EN	060600225

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PRODUCT DATA SHEET Hiltra®: Hiltra® Labsaver® F90 LS1220-EN - gray



Size Hiltra® Labsaver® F90 LS1220-EN - gray

Article number	120600200
Fire Resistance	90 minutes
External Dimensions (W x D x H)	approx. 1200 x 600 x 2035 mm
Internal Dimensions (W x D x H)	approx. 1095 x 450 x 1824 mm
Internal height from the drip tray	approx. 1724 mm
Door	Double
Interior Design	3 adjustable shelves, 1 bottom drip tray with insert grid
Shelf Dimensions (WxDxH)	approx. 1070 x 425 x 30 mm
Shelf Load Capacity	75 kg with an evenly distributed load
Dimensions of the bottom drip tray (WxDxH)	approx. 1093 x 440 x 80/100 mm
Load-bearing capacity of the bottom drip tray	75 kg with an evenly distributed load
Capacity of the bottom drip tray	approx. 38.9
Maximum permitted packaging size	35 liters
Storage Capacity	250 liters
Dead weight	approx. 375 kg
Packaging, transportation	on a pallet, upright, H=2200 mm

Optional

Option description	Option article number
Thermolock door holdback system mounted for LS1220	120600216
Flat shelf (extra) for LS1220 RAL7035/grey	120600208
Drip tray steel H= 80 mm RAL7035 gray for LS1220	120600203
Top-mounted drip tray HDPE LxWxH; 1060x420x50/6 mm for LS1220	120600212
SWD Fan ENG 1-1.6 230V 0.2A 24W IP20, steel	190170400
SWD fan ENG 1-1,6 230V 0,2A 24W IP20, stainless steel	190170601
Atex fan ENG 2-2.5 230V 1.07A 120W IP55, steel	190170500
Atex Fan ENG 2-2.5 230V 1.07A 120W IP55, Stainless Steel	190170600
Potential-free grounding for internal installation for LS620 and LS1220	120600218
Reinforcement profiles for shelf (loadable up to 110 kg)	120600206
SWD Motor Protection Switch 0.16A–0.25A, individual unit	820300104
SWD Motor Protection Switch 1.0A–1.6A, individual unit	820300110
ATEX Motor Protection Switch 1.0A–1.6A, Standalone	820300105
SWD Circuit Breaker, 3-pole, 16A, individual unit	190170402
ATEX Main Switch, 3-pole, 16A, standalone	190170502
Stainless steel transport pedestal LS1220-EN	120600235
Steel Floor Collection Tray, PC, RAL 7035/Light Gray, for LS1220	120600210
Steel Insert Grid, PC, RAL 7035/Light Gray, for LS1220	120600211

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PRODUCT DATA SHEET Hiltra®: Hiltra® Labsaver® F90 LS1220-EN - gray/yellow



Size Hiltra® Labsaver® F90 LS1220-EN - gray/yellow

Article number	120600201
Fire Resistance	90 minutes
External Dimensions (W x D x H)	approx. 1200 x 600 x 2035 mm
Internal Dimensions (W x D x H)	approx. 1095 x 450 x 1824 mm
Internal height from the drip tray	approx. 1724 mm
Door	Double
Interior Design	3 adjustable shelves, 1 bottom drip tray with insert grid
Shelf Dimensions (WxDxH)	approx. 1070 x 425 x 30 mm
Shelf load capacity	75 kg with an evenly distributed load
Dimensions of the bottom drip tray (WxDxH)	approx. 1093 x 440 x 80/100 mm
Load-bearing capacity of the bottom drip tray	75 kg with an evenly distributed load
Capacity of the bottom drip tray	approx. 38.9 liters
Maximum permitted packaging size	35 liters
Storage capacity	250 liters
Dead weight	approx. 375 kg
Packaging, rebellious	on a pallet, upright, H=2200 mm

Optional

Option description	Option article number
Thermolock door holdback system mounted for LS1220	120600216
Flat shelf (extra) for LS1220 RAL7035/grey	120600208
Drip tray steel H= 80 mm RAL7035 gray for LS1220	120600203
Top-mounted drip tray HDPE LxWxH; 1060x420x50/6 mm for LS1220	120600212
SWD Fan ENG 1-1.6 230V 0.2A 24W IP20, steel	190170400
SWD fan ENG 1-1,6 230V 0,2A 24W IP20, stainless steel	190170601
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PRODUCT DATA SHEET Hiltra®: Hiltra® Labsaver® F90 LS1220-EN - yellow



Size Hiltra® Labsaver® F90 LS1220-EN - yellow

Article number	120600202
Fire Resistance	90 minutes
External Dimensions (W x D x H)	approx. 1200 x 600 x 2035 mm
Internal Dimensions (W x D x H)	approx. 1095 x 450 x 1824 mm
Internal height from the drip tray	approx. 1724 mm
Door	Double
Interior Design	3 adjustable shelves, 1 bottom drip tray with insert grid
Shelf Dimensions (WxDxH)	approx. 1070 x 425 x 30 mm
Shelf load capacity	75 kg with an evenly distributed load
Dimensions of the bottom drip tray (WxDxH)	approx. 1093 x 440 x 80/100 mm
Load-bearing capacity of the bottom drip tray	75 kg with an evenly distributed load
Capacity of the bottom drip tray	approx. 38.9 liters
Maximum permitted packaging size	35 liters
Storage capacity	250 liters
Dead weight	approx. 375 kg
Packaging, transportation	on a pallet, upright, H=2200 mm

Optional

Option description	Option article number
Thermolock door holdback system mounted for LS1220	120600216
Flat shelf (extra) for LS1220 RAL7035/grey	120600208
Drip tray steel H= 80 mm RAL7035 gray for LS1220	120600203
Top-mounted drip tray HDPE LxWxH; 1060x420x50/6 mm for LS1220	120600212
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SWD fan ENG 1-1,6 230V 0,2A 24W IP20, stainless steel	190170601
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