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PRODUCT DATA SHEET Hiltra®: Labsaver F90 type LS320-EN - grey

Size Labsaver F90 type LS320-EN - grey

Article number	120600100
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
External dimensions WxDxH	approx. 1100 x 540 x 636 mm
Internal dimensions WxDxH	approx. 995 x 345 x 480 mm
Internal height from the drip tray	approx. 430 mm
Door	Double
Furnishing	Collection tray with insert grid
Bottom drip tray WxDxH	approx. 993 x 340 x 100 mm
Carrying capacity	75 kg with evenly distributed load
Collection capacity bottom leakage bin	approx. 16,7 liters (max permitted packaging:15 ltr)
Own weight	approximately 145 kg

Specifications Labsaver F90 type LS320-EN - grey

Version 1.3 | 25-11-2019

[F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN]

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.

- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).
- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS320/1220	120600216
Flat shelf (extra) for LS320 steel RAL7035 gray	120600217
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 inside fixtures	120600218
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502

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

Size Labsaver F90 LS620-EN - gray

Article number	060600200
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
Dimensions external WxDxH	approx. 600 x 600 x 2035 mm
Dimensions internal BxDxH	approx. 492 x 450 x 1824 mm
Internal height from drip tray	approx. 1724 mm
Door	Only
Equipment	3x adjustable shelf, 1x floor collector incl. insertion grid
Shelf WxDxH	approx. 466 x 420 x 30 mm
Floor drip tray BxDxH	approx. 490 x 440 x 80/100 mm
Load capacity of shelves and floor drip tray	75 kg with evenly distributed load
Shelf distribution (standard)	ca. 500, 900, 1300 mm above bottom drip tray
Collecting capacity bottom tray	approx. 16.9 ltr (max. allowed packaging: 15 ltr)
Own weight	approx. 230 kg
Packaging, transport	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS620-EN - gray

Version 1.3 | 25-11-2019

F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets

the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.
- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).

- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

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 inside fixtures	120600218
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502
stainless steel transport pedestal LS620-EN	060600225

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

Size Labsaver F90 LS620-EN - yellow

Article number	060600202
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
Dimensions external WxDxH	approx. 600 x 600 x 2035 mm
Dimensions internal BxDxH	approx. 492 x 450 x 1824 mm
Internal height from drip tray	approx. 1724 mm
Door	Only
Equipment	3x adjustable shelf, 1x floor collector incl. insertion grid
Shelf WxDxH	approx. 466 x 420 x 30 mm
Floor drip tray BxDxH	approx. 490 x 440 x 80/100 mm
Load capacity of shelves and floor drip tray	75 kg with evenly distributed load
Shelf distribution (standard)	ca. 500, 900, 1300 mm above bottom drip tray
Collecting capacity bottom tray	approx. 16.9 ltr (max. allowed packaging: 15 ltr)
Own weight	approx. 230 kg
Packaging, transport	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS620-EN - yellow

Version 1.3 | 25-11-2019

F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets

the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.
- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).

- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

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 inside fixtures	120600218
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502
stainless steel transport pedestal LS620-EN	060600225

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

Size Labsaver F90 LS1220-EN - gray

Article number	120600200
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
Dimensions external WxDxH	approx. 1200 x 601 x 2035 mm
Dimensions internal BxDxH	approx. 1095 x 450 x 1824 mm
Internal height from drip tray	approx. 1724 mm
Door	Double
Equipment	3x adjustable shelf, 1x floor collector incl. insertion grid
Shelf WxDxH	approx. 1070 x 425 x 30 mm
Floor drip tray BxDxH	approx. 1093 x 440 x 80/100 mm
Load capacity of shelves and floor drip tray	75 kg with evenly distributed load
Shelf distribution (standard)	ca. 500, 900, 1300 mm above bottom drip tray
Collecting capacity bottom tray	approx. 37.75 ltr (max. allowed packaging: 34.3 ltr)
Own weight	approx. 375 kg
Packaging, transport	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS1220-EN - gray

Version 1.3 | 25-11-2019

F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets

the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.
- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).

- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS320/1220	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 inside fixtures	120600218
Reinforcement profiles for shelf (loadable up to 110 kg)	120600206
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502
Stainless steel transport pedestal LS1220-EN	120600235

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

Size Labsaver F90 LS1220-EN - gray/yellow

Article number	120600201
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
Dimensions external WxDxH	approx. 1200 x 600 x 2035 mm
Dimensions internal BxDxH	approx. 1095 x 450 x 1824 mm
Internal height from drip tray	approx. 1724 mm
Door	Double
Equipment	3x adjustable shelf, 1x floor collector incl. insertion grid
Shelf WxDxH	approx. 1070 x 425 x 30 mm
Floor drip tray BxDxH	approx. 1093 x 440 x 80/100 mm
Load capacity of shelves and floor drip tray	75 kg with evenly distributed load
Shelf distribution (standard)	ca. 500, 900, 1300 mm above bottom drip tray
Collecting capacity bottom tray	approx. 37.75 ltr (max. allowed packaging: 34.3 ltr)
Own weight	approx. 375 kg
Packing, rebellious	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS1220-EN - gray/yellow

Version 1.3 | 25-11-2019

F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets

the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.
- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).

- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS320/1220	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 inside fixtures	120600218
Reinforcement profiles for shelf (loadable up to 110 kg)	120600206
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502
Stainless steel transport pedestal LS1220-EN	120600235

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

Size Labsaver F90 LS1220-EN - yellow

Article number	120600202
Certification	F90 in accordance with EN 14470-1 / EN 14727 / GS
Dimensions external WxDxH	approx. 1200 x 600 x 2035 mm
Dimensions internal BxDxH	approx. 1095 x 450 x 1824 mm
Internal height from drip tray	approx. 1724 mm
Door	Double
Equipment	3x adjustable shelf, 1x floor collector incl. insertion grid
Shelf WxDxH	approx. 1070 x 425 x 30 mm
Floor drip tray BxDxH	approx. 1093 x 440 x 80/100 mm
Load capacity of shelves and floor drip tray	75 kg with evenly distributed load
Shelf distribution (standard)	ca. 500, 900, 1300 mm above bottom drip tray
Collecting capacity bottom tray	approx. 37.75 ltr (max. allowed packaging: 34.3 ltr)
Own weight	approx. 375 kg
Packaging, transport	on pallet, upright H=2200 mm

Specifications Labsaver F90 LS1220-EN - yellow

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F90 Labsaver® Safety Cabinets LS320 - LS620 - LS1220-EN

A safety cabinet purchased after 1 January 2006 must comply with the European standard EN 14470-1/2004, fire resistance 30, 60 or 90 minutes, in accordance with the PGS15. A product certificate must be available within the establishment for the safety cabinet which shows that it meets

the aforementioned European standard. The instructions containing the certificates are supplied with the Labsaver cabinet.

Design/fire resistance:

- Design and layout in accordance with the regulations in the PGS 15 guideline.
- Cabinets are only suitable for indoor use.
- Fire resistance 90 minutes determined in accordance with the European Norm (NEN-)EN 14470-1/2004 by accredited test institute MPA Dresden.
- Tested according to the European Standard EN 14727 (Laboratory furniture).
- GS mark "Geprüfte Sicherheit" issued by the accredited test institute MPA Dresden.
- CE declaration of conformity according to the European Standard EN 45014.
- Internal panelling: Formaldehyde emission class E1 to EN 13986; biological risk class 1 to EN 335-3; fire class B-s2,dO to EN 13501-1:2002.

Enclosure:

- Enclosure body and door manufactured from zincor steel and powder coated in RAL 1007/carnic yellow (n/a on LS320) or RAL 7035/light grey.
- Fire resistant insulation package made of non-combustible, environmentally friendly materials finished with a white impact and scratch resistant HPL top layer.
- Potential-free earthed on the enclosure body up to the earthing connection point on the enclosure roof.
- The interior of the cabinet is optionally earthed up to the earthing connection point on the roof of the cabinet.
- Standard with adjustable feet ±20 mm for leveling the cabinet. (not available on LS320)

Door:

- Front equipped with a single or double self-closing wing door with a handle placed at an ergonomic height and lockable by means of a cylinder lock (incl. 2 keys).
- Door optionally available with thermolock fire door closing mechanism so that it can remain open in a position of 90º to 100º, but closes automatically in case of fire.
- Door rebate provided with fire resistant strips, so that the door rebate is hermetically closed in case of fire.

Fixture:

- Fixture manufactured from zincor steel and powder coated in RAL 7035/light grey.
- Equipped with a freely removable, liquid-tight container with removable insert, load-bearing capacity 75 Kg.
- Note: according to the NEN-EN14470-1, a floor collector without insertable grid may not be used as a set-up/storage area for packaging.
- Side walls of the cabinet are fitted with steel powder coated shelf fixing plate with hook-in grid for the shelves with a height adjustment in a grid of 50 mm. (n.a. for LS320-EN).
- Shelf fixing plate also serves as liquid guiding plate.
- Fitted with 3 freely removable shelves with 30 mm high skirting boards as protection against sliding, load capacity 75 kg with evenly distributed load. (not applicable for LS320).

Ventilation openings:

- Fitted in the rear wall with an integrated ventilation and venting channel.
- Ventilation opening in the enclosure, 1 x above the bottom drip tray (low) and 1 x ventilation opening in the rear wall (high).

- Ventilation duct provided with fire dampers which close automatically in case of fire.
- Ventilation openings on the rear wall (LS320-EN) or on the roof (LS620-EN and LS1220-EN) provided with flange
- Ø 80 x H 65 mm for the constructional connection to a ventilation system or optional cabinet fan.

Hazard identification:

- Hazard indication by means of the type label prescribed in EN 14470-1 with pictograms, symbol: "smoking and open flame prohibited" and "flammable substances".

Optional

Option description	Option article number
Thermolock door holdback system mounted tbv LS320/1220	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 inside fixtures	120600218
Reinforcement profiles for shelf (loadable up to 110 kg)	120600206
SWD Motor protection switch 0.16A-0.25A, loose	820300104
SWD Motor protection switch 1.0A-1.6A, loose	820300110
ATEX Motor Circuit Breaker 1.0A-1.6A, loose	820300105
SWD Work switch 3p 16A, loose	190170402
ATEX Work switch 3p 16A, loose	190170502
Stainless steel transport pedestal LS1220-EN	120600235