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Specifications Megasaver™ Fire Compartments

Version 2.5 | November 9, 2026

Hiltra® Megasaver™ fire compartments

Design/fire resistance:

- Composite construction assessed by the accredited testing institute Efectis® in accordance with the VLPO Assessment Guideline for prefabricated PGS 15 storage facilities, document number 2019-Efectis-R000972, version 04/14/2023.
- Designed as a self-contained fire compartment for the storage of packaged hazardous substances in accordance with the Building Decree and the current version of the PGS 15 guideline.
- Fire resistance (WBDBO) of 60 minutes, determined in the event of a fire originating from the outside and a fire originating from the inside, in accordance with the current version of the PGS 15 guideline.
- Efectis® fire resistance certificate DOC-ENL-26-000543 C2604020.
- Main load-bearing structure determined in accordance with European and Dutch standards:
- NEN-EN 1990+A1+A1/C2:2011 Eurocode 0 – Foundations of Structural Design, including National Annex NB:2011 Selected Basic Parameters; design life 15 years, consequence class: CC1.
- NEN-EN 1991-1-1+C1:2011 Eurocode 1: Actions on structures—Part 1-1: General actions—Density, self-weight, and imposed actions for buildings, including national annex NB:2011.
- NEN-EN 1991-1-3+C1:2011 Eurocode 1: Loads on Structures – Part 1-3: General Loads – Snow Loads, including national annex NB:2011.
- NEN-EN 1991-1-4+A1+C2:2011 Eurocode 1: Actions on structures – Part 1-4: General actions—Wind loads, including national annex NB:2011. Some basic parameters: wind zone 2, site category II, undeveloped.
- NEN-EN 1993-1-1+C2:2011 Eurocode 3: Design and calculation of steel structures—Part 1-1: General rules and rules for buildings, including national annex NB:2011.
- NEN-EN 1993-1-2+C2:2011 Eurocode 3: Design and calculation of steel structures—Part 1-2: General rules—Design and calculation of structures in the event of fire, including national annex NB:2007.
- NEN-EN 1993-1-8+C2:2011 Eurocode 3: Design and calculation of steel structures—Part 1-8: Design and calculation of connections, including national annex NB:2011.

Main structural framework:

- Steel structure fabricated from bare steel, SA2.5 blasted and protected with a 100 µm Acraton®

high-solid zinc phosphate coating in the color RAL 7005/dark gray.
- Steel structure with 60-minute fire resistance based on the “collapse” criterion (R60 for main load-bearing structures).

Enclosure:

- Roof and walls made of lightly profiled galvanized sandwich panels with a core of non-combustible and insulating rock wool.
- Insulation value [W/m²K]: 0.47 (according to EN ISO 6946).
- Sound insulation value (airborne) Rw (C:Ctr): 32 dB.
- Exterior color: a Myrialac® primer and polyester coating in RAL 7035/light gray.
- Interior color: a Myrialac® primer and polyester coating in RAL 9002/white.
- Fire resistance of the sandwich panels = 60 minutes in accordance with:
- NEN 6069
- NBN 713-020-1968.
- Test standards EN 1363-1 & 1364-1 (EI-60 for walls).
- Test standards EN 1364-2 (RE-60 for ceilings/roofs).
- Classification standard EN 13501-2.

Door:

- Equipped with a single, self-closing, right-hinged door on the short side.
- Door constructed of double-walled galvanized sheet metal with a core of non-combustible and insulating material.
- Door leaf finished on both the interior and exterior with an approx. 100 µm powder coating in RAL 7005/mouse gray, corrosion class C5.
- Door comes standard with a latch, panic bar, cylinder lock, and door closer, including an automatic Thermolock fire-sealing mechanism.
- Door jambs are equipped with fire-sealing strips that expand in the event of a fire, ensuring they are automatically sealed.
- The door can be locked at an opening angle of approximately 90°, in the event of a fire, the Thermolock releases the lock and the door automatically closes into the door frame (fire-closing mechanism based on door-holding magnets in combination with detection and a fire alarm control panel available upon request.
- Fire resistance rating of the door: EI-1-60 minutes in accordance with:
- Test standard: EN 1364-1.
- Classification standard: EN 13501-2.
- Thermal insulation value W/m²K: 1.1 (according to EN 14351-1/A1:2010).
- Sound insulation value (airborne) Rw (C: Ctr): 32 dB (according to EN ISO 140-3).

Drip pan:

- Completely liquid-tight drip pan welded into the base frame, made of sheet steel, SA2.5 blasted and preserved with a 100 µm Acraton® high-solid zinc phosphate coating in the color RAL 7005/dark gray.
- Drip pan equipped with removable, galvanized grating segments, type R2.40/30x60 mm, with a load-bearing capacity of up to 945 kg/m² under evenly distributed load.
- Point load on grating: 240 kg measured over an area of 20x20 cm.

Ventilation openings:

- Air supply and exhaust via diametrically positioned ventilation openings, finished on the inside and outside with galvanized louver grilles.
- Equipped as standard with flame-retardant mesh and fire-resistant grilles, so that they close

automatically in the event of a fire.

Hazard labeling:

- Using pictograms in accordance with PGS 15, Ø and/or ? 200 mm, symbols: “No smoking or open flames” and “Flammable (liquid) substances” (other pictograms and signage available upon request).

Foundation:

- Storage units must be installed on a poured concrete foundation. The foundation must be constructed in accordance with standard NEN 2747, flatness class 2, but limited to a maximum deviation of 5 mm over the entire length and/or width of the unit itself. It is recommended that the foundation be at least 250 mm larger than the outer dimensions of the unit itself. Claims attributable to an improper foundation are not covered by the warranty.

Structural options:

- Option D1: a double swing door that is self-closing in case of fire, instead of a single door.
- Option D2: additional single fire-rated self-closing door.
- Option D3: additional double fire-rated self-closing door.
- Option DB: weather-resistant PVC roof membrane (for outdoor installations)
- Option F: Flange ØxH=80x40 mm mounted in the roof or sidewall for connecting a ventilation duct to the outside air.
- Option G: drip pan on the interior side additionally equipped with a reinforced, fiberglass-reinforced polyester lining to protect the drip pan(s) against chemical exposure. List of resistant materials available upon request.
- Option W: Fire-resistant partition wall for compartmentalizing incompatible combinations of hazardous substances.
- Electrical systems such as lighting, heating, forced ventilation, and cooling available upon request.

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS302425



Fotoimpressie Megasaver model MS302425

Size Hiltra® Megasaver™ F60, model MS302425

Article number	300400100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 3033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 2840 x 2250 x 2240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 950 liters
Weight	approx. 1,750 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS402425



Size Hiltra® Megasaver™ F60, model MS402425

Article number	400400100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 4033 x 2443 x 2610 mm
Internal Dimensions (L x D x H)	approx. 3840 x 2250 x 2240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 1,250 liters
Weight (Empty)	approx. 2,150 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS502425



Size Hiltra® Megasaver™ F60, model MS502425

Article number	500400100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 5033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 4840 x 2250 x 2240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 1,600 liters
Weight (empty)	approx. 2,500 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS602425



Size Hiltra® Megasaver™ F60, model MS602425

Article number	600500100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 6033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 5840 x 2250 x 2240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 1950 liters
Weight (empty)	approx. 2,800 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS702425



Size Hiltra® Megasaver™ F60, model MS702425

Article number	700400100
Fire Resistance	(WBDBO) 60 minutes
External dimensions (W x D x H)	approx. 7033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 6,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip Pan Capacity	approx. 2,275 liters
Weight (empty)	approx. 3,325 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS802425



Size Hiltra® Megasaver™ F60, model MS802425

Article number	800400100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 8033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 7,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 2,600 liters
Weight (empty)	approx. 3,800 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS902425



Size Hiltra® Megasaver™ F60, model MS902425

Article number	900400100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 9033 x 2443 x 2610 mm
Internal Dimensions: L x D x H	approx. 8,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 2,925 liters
Weight (empty)	approx. 4,275 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS1002425



Impressiefoto MS853031. Oprijplaat optioneel

Size Hiltra® Megasaver™ F60, model MS1002425

Article number	100040100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 10,033 x 2,443 x 2,610 mm
Internal Dimensions: L x D x H	approx. 9,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 3,250 liters
Weight (empty)	approx. 4,750 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS1102425



Impressiefoto MS853031. Oprijplaat optioneel

Size Hiltra® Megasaver™ F60, model MS1102425

Article number	110040100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 11,033 x 2,443 x 2,610 mm
Internal Dimensions: L x D x H	approx. 10,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 3,575 liters
Weight (empty)	approx. 5,225 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154

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PRODUCT DATA SHEET Hiltra®: Hiltra® Megasaver™ F60, model MS1202425



Impressiefoto MS853031. Oprijplaat optioneel

Size Hiltra® Megasaver™ F60, model MS1202425

Article number	120040100
Fire Resistance	(WBDBO) 60 minutes
External Dimensions (L x D x H)	approx. 12,033 x 2,443 x 2,610 mm
Internal Dimensions: L x D x H	approx. 11,840 x 2,250 x 2,240 mm
Clear opening dimensions for a single door (WxH)	approx. 1045 x 2000 mm
Double Door Clear Opening (WxH)	approx. 1500 x 2000 mm
Drip pan capacity	approx. 3,900 liters
Weight (empty)	approx. 5,700 kg

Optional

Option description	Option article number
D1: Double door B=1500 mm instead of single door	300400150
D2: Extra single door B=1000 mm	300400151
D3: Extra double door B=1500 mm	300400152
W: F60 fire resistant partition wall for MS-xx2425	300400154