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Technical changes and imperfections
reserved.

Specifications Megasaver fire compartments

Version (abridged) 1.3 - 23-5-2019

[HILTRA® MEGASAVER®:](#)

Design/fire resistance:

- The composite structure has been assessed by the accredited testing institute EFECTIS®.
- Efectis report , no: 2016-Efectis-R000221[Rev.1]/GHJ/TNL valid until 31.03.2021.
- Designed as an independent fire compartment for the storage of packaged hazardous substances based on PGS 15:2016 Version 1.0.
- Fire resistance of 60 minutes determined in case of a fire from outside and a fire from inside on all (for the chosen use applicable) criteria of PGS 15:2016 Version 1.0, Regulation 3.2.9.

Main supporting structure:

- Welded, steel main supporting structure based on a structural strength calculation (for the chosen deployment) according to the Building Code and the aforementioned European and Dutch standards for steel structures:
- Steel structure manufactured from blank steel, degreased and provided with approx. 80 µm zinc phosphate epoxy coating in RAL 7040/window grey.
- Fire resistance on "failure" criterion (R-60 for main support structures).

Enclosure:

- Roof and walls in lightly profiled galvanised sandwich panels with a core made of non-combustible and insulating rock wool.
- Insulation value [W/m²K]: 0.47 (according to EN ISO 6946).
- Sound insulation value (through air) R_w (C: Ctr): 32 dB .
- Colour outside; a Myrialac® primer and polyester coating in RAL 7035/grey.
- Colour inside; a Myrialac® primer and polyester coating in RAL 9002/white.
- Fire resistance of the sandwich panels = 60 minutes in accordance with: NEN 6069: 2011, 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-hand hinged wing door in the short side.
- Door made of double-walled galvanised sheet with a core of non-flammable and insulating material.
- Door leaf finished on inside and outside in RAL 7005/mouse grey.
- Door provided with handle, panic bar, cylinder lock and door closer including automatic

Thermolock fire resistant locking mechanism.

- Door rebate areas are provided with foam sealing strips so that they automatically close in case of fire.
- Door can be locked in an opening angle of approx. 90°, in case of fire the Thermolock breaks the lock and the door will close automatically in the latch (fire closing mechanism based on door hold open magnets in combination with detection and fire alarm control unit possible on request).
- Fire resistance of the door EI-1-60 minutes in accordance with: Test standard: EN 1364-1, Classification standard: EN 13501-2, Insulation value W/m^2K : 1,1 (according to EN 14351-1/A1:2010), Sound insulation value (through air) R_w (C: Ctr): 32 dB (according to EN ISO 140-3).

Drip tray:

- Completely liquid-tight drip tray welded into the base frame made of steel sheet degreased and coated with approx. 80 μm zinc phosphate epoxy coating in RAL 7040/window grey.
- Base frame fitted with removable, galvanised grid floor sections, type R2.30/30x60 mm with a load-bearing capacity of up to 1000 kg/m^2 with evenly distributed load (other grid types and floor loads on request).

Ventilation openings:

- Ventilation and de-aeration through diametrically arranged ventilation openings inside and outside finished with galvanised blade grilles.
- Standard equipped with flame retardant mesh and fire resistant louvres, so that they are automatically closed in case of fire.

Hazard indication:

- By pictograms in accordance with PGS 15, \emptyset and/or ? 200 mm, symbols: "smoking and open fire prohibited" and "flammable (liquid) materials" (other pictograms and signs available on request).

Construction options:

- Option A2: exterior finished in a different colour (instead of RAL 7035/light grey)
- Option B: Drip tray/structure SA2.5 blasted and finished with 100 μm Acreton zinc phosphate epoxy coating in RAL 7005/mouse grey.
- Option D1: instead of a single door, a double-leaf fire door.
- Option D2: Additional single self-closing door.
- Option D3: Additional double-leaf fire door.
- Option DB: weatherproof PVC roof membrane (for outside installations)
- Option F: flange $\emptyset \times H = 80 \times 40$ mm mounted in the roof or side panel for connecting a ventilation duct to the outside air.
- Option G: drip tray additionally provided on the inside with a reinforced, fibreglass-reinforced polyester lining to protect the drip tray(s) against the effects of chemicals. Resistance list on request.
- Option W: fire-resistant partition wall for compartmentalising incompatible hazardous substances combinations.

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PRODUCT DATA SHEET Hiltru®: Megasaver F60 model MS302425



Fotoimpressie Megasaver model MS302425

Size Megasaver F60 model MS302425

| | |
|--------------------------------------|--|
| Article number | 300400100 |
| External dimensions LxWxH | approx. 3033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 2840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 950 litres |
| Weight | approx. 1750 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS402425



Size Megasaver F60 model MS402425

| | |
|---|--|
| Article number | 400400100 |
| External dimensions LxWxH | approx. 4033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 3840 x 2250 x 2240 mm |
| Net daylight size single door WxH (in the short side) | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 1290 litres |
| Weight | approx. 2130 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS502425



Size Megasaver F60 model MS502425

| | |
|-----------------------------------|--|
| Article number | 500400100 |
| External dimensions LxWxH | approx. 5033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 4840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 1635 litres |
| Weight | approx. 2500 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS602425



Size Megasaver F60 model MS602425

| | |
|-----------------------------------|--|
| Article number | 600500100 |
| External dimensions LxWxH | approx. 6033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 5840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 1975 litres |
| Weight | approx. 2810 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS702425



Impressiefoto MS803025

Size Megasaver F60 model MS702425

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|-----------------------------------|--|
| Article number | 700400100 |
| External dimensions LxWxH | approx. 7033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 6840 x 2250 x 2240 mm |
| Net daylight size single door WxH | 1045 x 2085 mm (opened to 90 degrees) |
| Collection capacity | approx. 2385 litres |
| Weight | approx. 3160 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS802425



Impressiefoto MS803025

Size Megasaver F60 model MS802425

| | |
|-----------------------------------|--|
| Article number | 800400100 |
| External dimensions LxWxH | approx. 8033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 7840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 2880 litres |
| Weight | approx. 3550 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS902425



Size Megasaver F60 model MS902425

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|--------------------------------------|--|
| Article number | 900400100 |
| External dimensions LxWxH | approx. 9033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 8840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 3475 litres |
| Weight | approx. 3990 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS1002425



Impressiefoto MS853031. Oprijplaat optioneel

Size Megasaver F60 model MS1002425

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|-----------------------------------|--|
| Article number | 100040100 |
| External dimensions LxWxH | approx. 10033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 9840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 4195 litres |
| Weight | approx. 4485 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS1102425



Impressiefoto MS853031. Oprijplaat optioneel

Size Megasaver F60 model MS1102425

| | |
|-----------------------------------|--|
| Article number | 110040100 |
| External dimensions LxWxH | approx. 11033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 10840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 5060 litres |
| Weight | approx. 5040 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 Hiltru®: Megasaver F60 model MS1202425



Impressiefoto MS853031. Oprijplaat optioneel

Size Megasaver F60 model MS1202425

| | |
|-----------------------------------|--|
| Article number | 120040100 |
| External dimensions LxWxH | approx. 12033 x 2443 x 2610 mm |
| Dimensions internal LxWxH | approx. 11840 x 2250 x 2240 mm |
| Net daylight size single door WxH | approx. 1045 x 2085 mm (when opened to 90 degrees) |
| Collection capacity | approx. 6100 litres |
| Weight | approx. 5665 kg |
| Fire resistance (F60) | Efectis report (whole unit): 2016-Efectis-R000221[Rev.1]/GHJ/TNL |

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 |