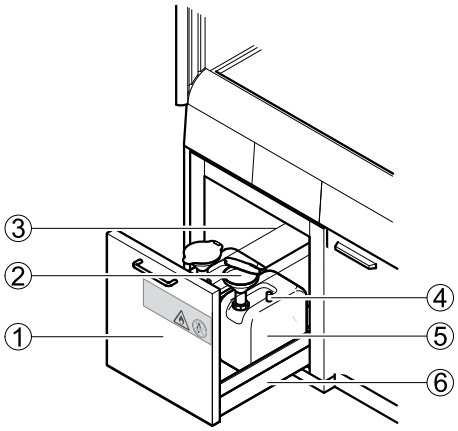
Waste disposal system for flammable liquids

Intended use

- For safely storing remnants of flammable liquids at the laboratory workstation temporarily in accordance with EN 14470-1 (type 90) and TRGS 510 (appendix L)
- For waste disposal using screw-mounted funnels in the underbench safety unit or through funnels on the worktop in the internal workspace
- Not permitted for the disposal of the following hazardous substances:
  - Acids and alkalis
  - Gas cylinders
  - Radioactive substances
  - Microorganisms

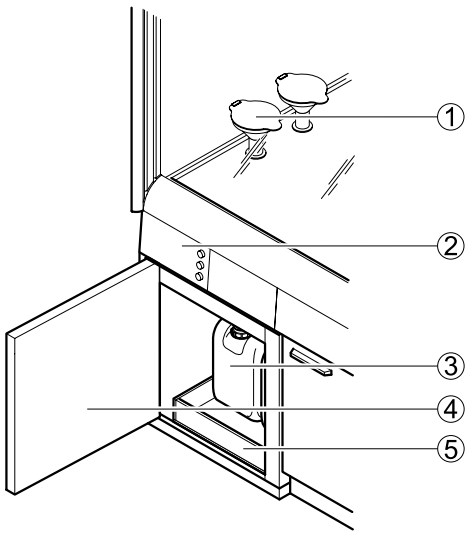
Design

Filling through funnel in the underbench unit



1 *Safety cabinet with full-height drawer*
2 *Funnel*
3 *Earthing cable*
4 *Mechanical level indicator*
5 *Canisters*
6 *Tray*

Filling through funnel in the internal workspace



1 *Funnel on the worktop*
2 *Electric module with level indicator and control units*
3 *Canisters*
4 *Safety cabinet with hinged door*
5 *Tray*

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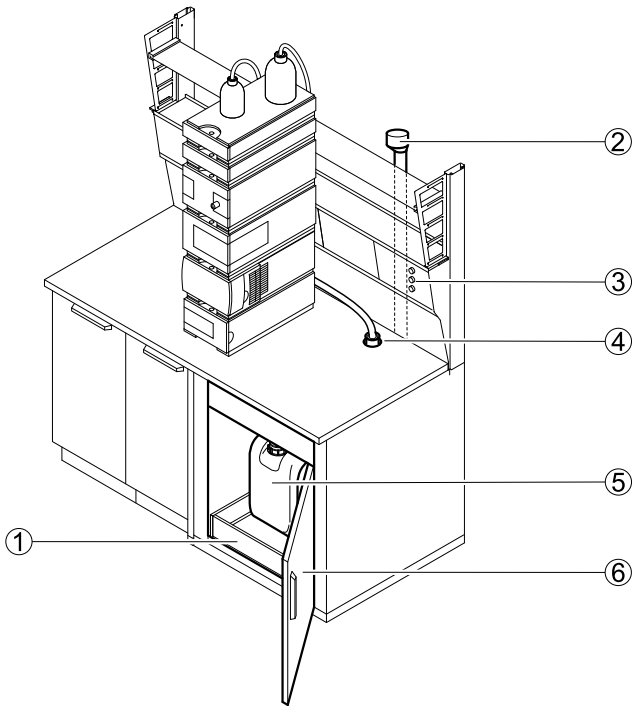
Disposal for HPLC devices



1 *Tray*
2 *Extract air duct*
3 *Electrical panel with level indicator and control units*
4 *Receiving spigot for capillary tube*
5 *Canisters*
6 *Safety cabinet with hinged door*

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Technical data

1. Filling via funnel in underbench unit
2. Filling through funnels in the internal workspace

Dimensions	
Underbench safety unit, width x depth [mm]	Approx. 595 x 600
Underbench safety unit, overall height [mm]	Approx. 600
Canister 5 l, width x depth x height [mm]	160 x 185 x 230
Canister 10 l, width x depth x height [mm]	198 x 298 x 264

Design characteristics	
Construction	With funnel in the underbench unit: Underbench safety unit with full-height drawer with max. 2 containers With funnel in the internal workspace: Underbench safety unit with hinged door with max. 2 containers or 1 container with transfer system Connection to the ventilation system Connection to potential equalisation with earth wire Funnel, grounded
Canisters	2 canisters, 5 l (insulated) 2 containers 10 l, conductive with transfer system 1 canister 30 l, conductive, permanently installed
Funnel	Underbench safety unit with full-height drawer: Funnel, fastened to canister with screws Underbench safety unit with hinged door, transfer system: Funnel on the worktop is connected with the canister through one filling pipe per funnel
Approval, canister 5l, 10 l, 30 l	UN 3H1/Y1,6
Filling, level indicator	Funnel in the underbench safety unit: mechanical level indicator integrated in 10 l canister Funnel in the internal workspace: Electric level indicator, acoustic and visual indication when the maximum level is reached Connection for liquid chromatographic instrument (HPLC) with spigot instead of funnels and electric level indicator, as an option Filling head is connected to extract air via gas suspension cord
Resistance	Based on consultation with Waldner

Material	
Underbench safety unit	Stainless steel, powder-coated
Canister 5 l	PP
Canister 10 l	Electrically conductive PE-HD
Ventilation connection Ø 90 mm	PPS
Components for installation	Electrically conductive PE-HD
Components for transfer system	Stainless steel

Ventilation data	
Air exchange rate [m³/h]	50
Ventilation connection to the ascending duct Ø [mm]	90