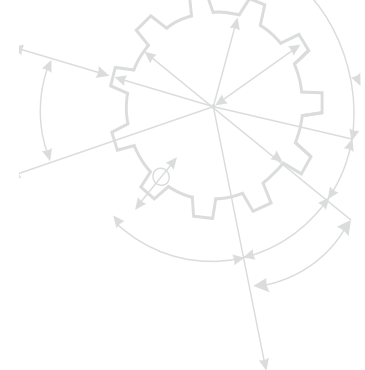




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Verfahrenstechnik GmbH

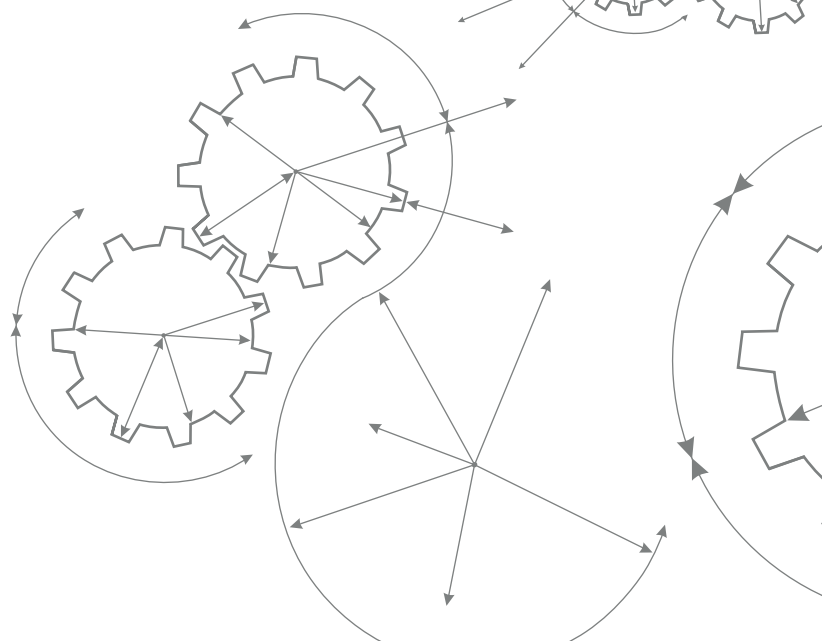
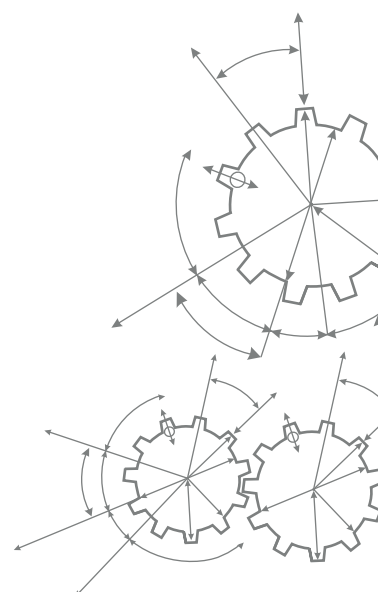


Distillation Units for Solvent Recycling

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save your planet
save your money



SUSTAINABILITY

The world is in a state of constant growth and development. Yet, the world's resources are limited. Out of responsibility towards future generations it is a common duty to preserve natural assets and to reuse and recycle as many raw materials and utilities as possible.

With the distillation units of Ch.Batsch every solvent using company has the chance to contribute to sustainable economic growth while respecting the ecological balance.

Save your planet, save your money.



Polluted Solvent

Distillate

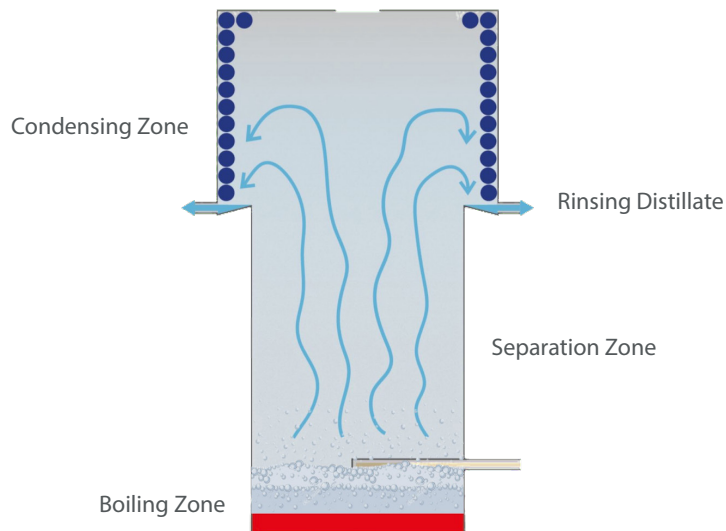
Residue

MACHINE OPTIONS MATRIX

The family of distillation units manufactured by Ch.Batsch consists of three main types. Each one is designed for a certain application and demand. The main characteristics are summarized in the following table.

	DESTA	L-DESTA	SLD
Boiling point between 30°C and 130°C	x	x	x
Boiling point between 20°C and 90°C		x	x
Boiling point between 70°C and 170°C	x		x
Capacity up to 20 l/h		x	
Capacity up to 40 l/h	x		
Capacity up to 160 l/h			x
Compatible towards water inclusion			x
Compatible towards foam			x
Vacuum system	x	x	
Fully automated process	x	x	x
Reduction of solvent in residue to less than 1 %	x		

ATMOSPHERIC DISTILLATION SLD 45-EX / 100-EX



Perfect ratio between heat transferring surface, solvent volume and condensing area.

The extensive separation zone leads to highest purity of distillate.

SLD 45-Ex

Capacity of 0.9 to 1.8 tons/day

Explosion proof

Electr. connection of 9 kW

Chiller connected ca 4.5 kW

Dimension 1100 x 1600 x 1600 mm

Fully automated

SLD 100-Ex

Capacity of 2 to 3.2 tons/day

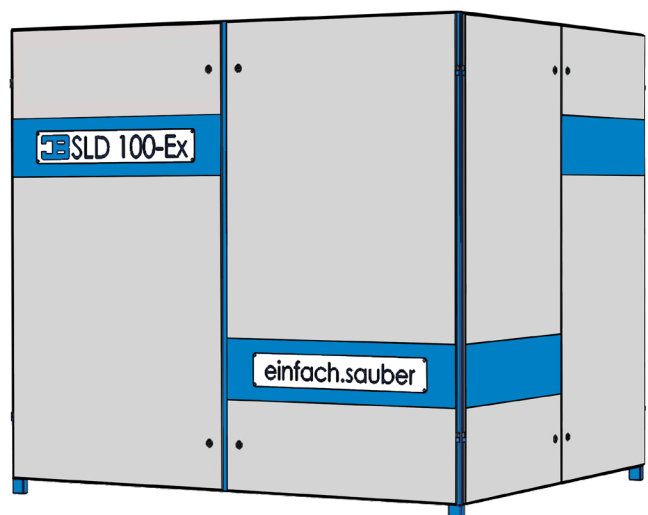
Explosion proof

Electr. connection of 14 kW

Chiller connected ca 4.5 kW

Dimension 1900 x 1600 x 1600 mm

Fully automated



MODULAR MACHINE SETUP

4x SLD 100-Ex

Capacity of 8 to 12.8 tons/day

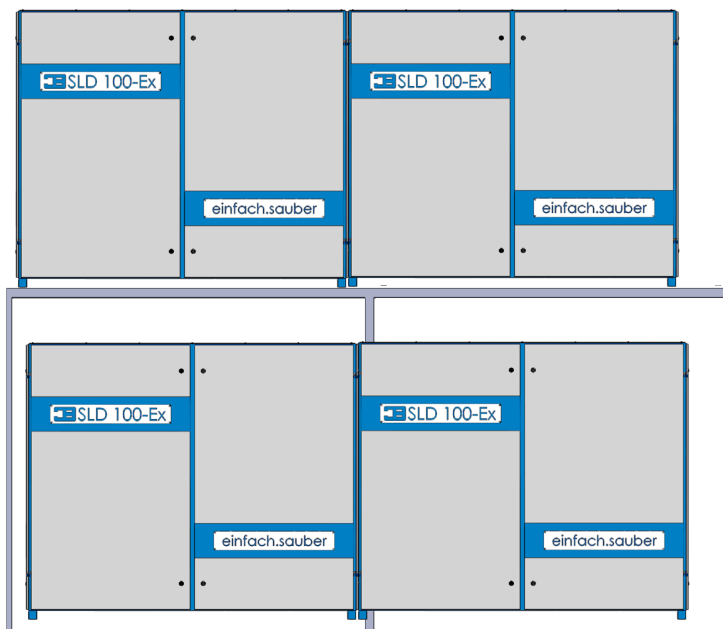
Explosion proof

Electr. connection of 56 kW

Chiller connected ca. 18.5 kW

Dimension: 1900 x 3400 x 3400 mm

Fully automated



2x SLD 100-Ex

Capacity of 4 to 6.4 tons/day

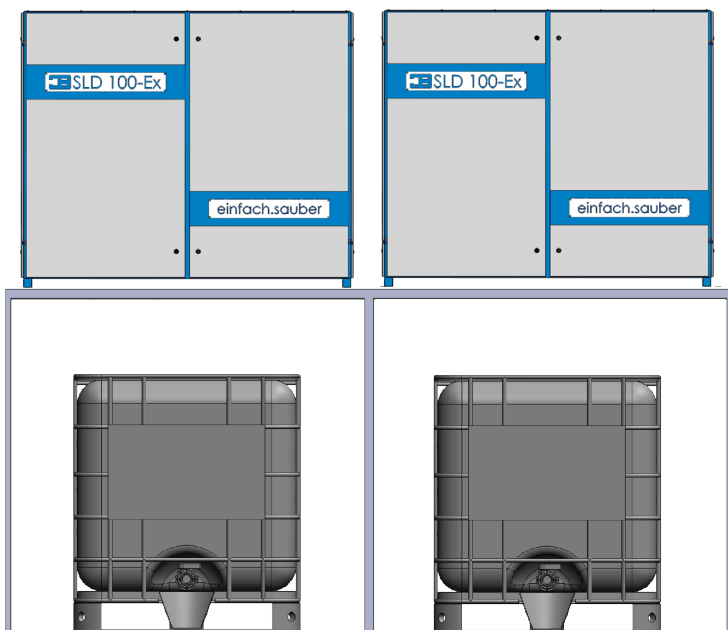
Explosion proof

Electr. connection of 28 kW

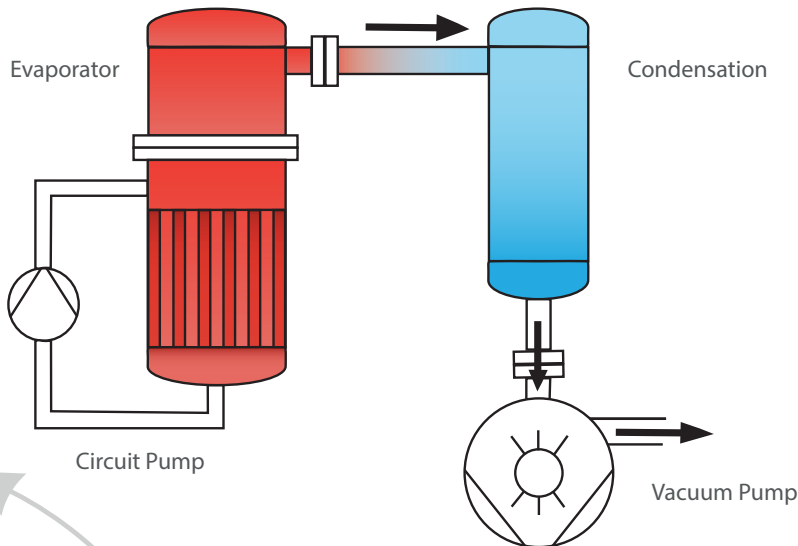
Chiller connected ca. 9 kW

Dimension: 1900 x 3400 x 3400 mm (incl. frame)

Fully automated



VACUUM DISTILLATION DESTA 20



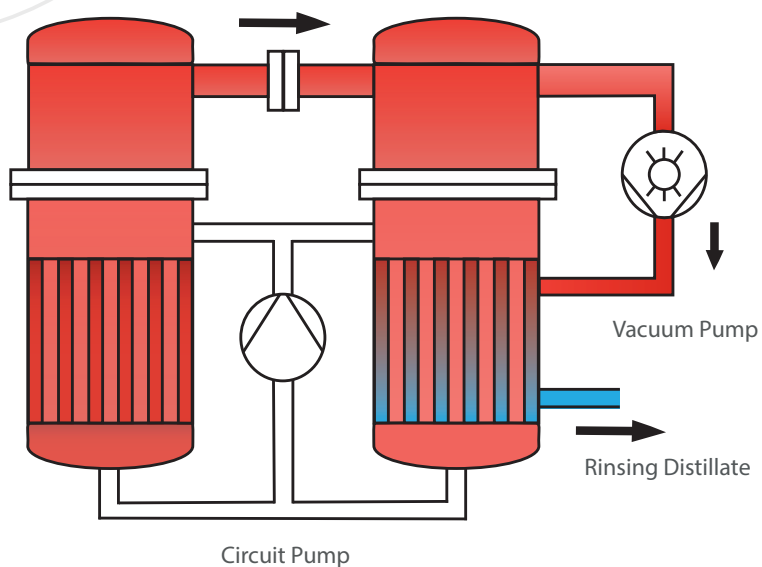
Continuous circulation and gentle heat transfer through the indirect heating results in greatest quality of distillate without applying any thermal stress on the solvent and the residue. Lowest possible concentration of solvent in the residue is achieved.

DESTA 20

Capacity of 0.49 to 0.69 tons/day
Explosion proof
Electr. connection of 6.8 kW
Chiller connected ca 4.5 kW
Dimension 700 x 650 x 1450 mm
Fully automated



VACUUM DISTILLATION DESTA 102



Due to the highly efficient roots vacuum pump a great amount of vapour can be extracted and subsequently compressed.

This special technology allows a certain range of heat recovery and makes the system even more economical. This unit further profits from the advantages of continuous circulation and gentle heat transfer through the indirect heating.

DESTA 102

Capacity of 2 to 3 tons/day

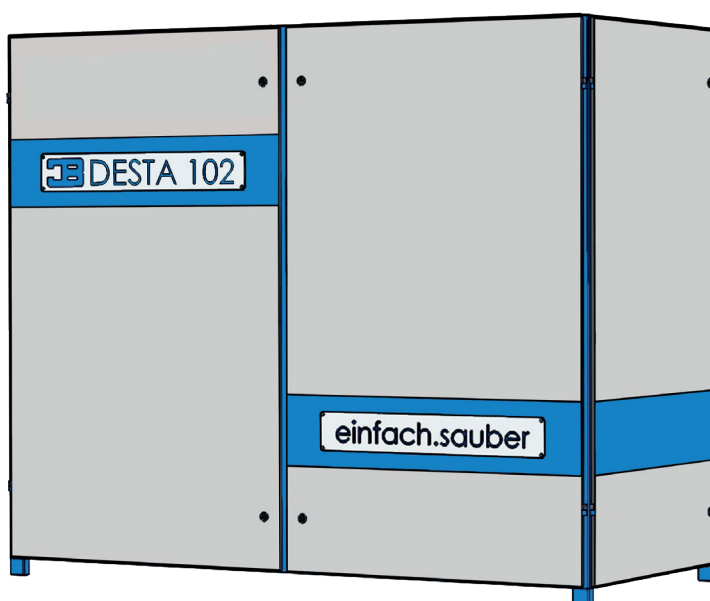
Explosion proof

Electr. connection of 14 kW

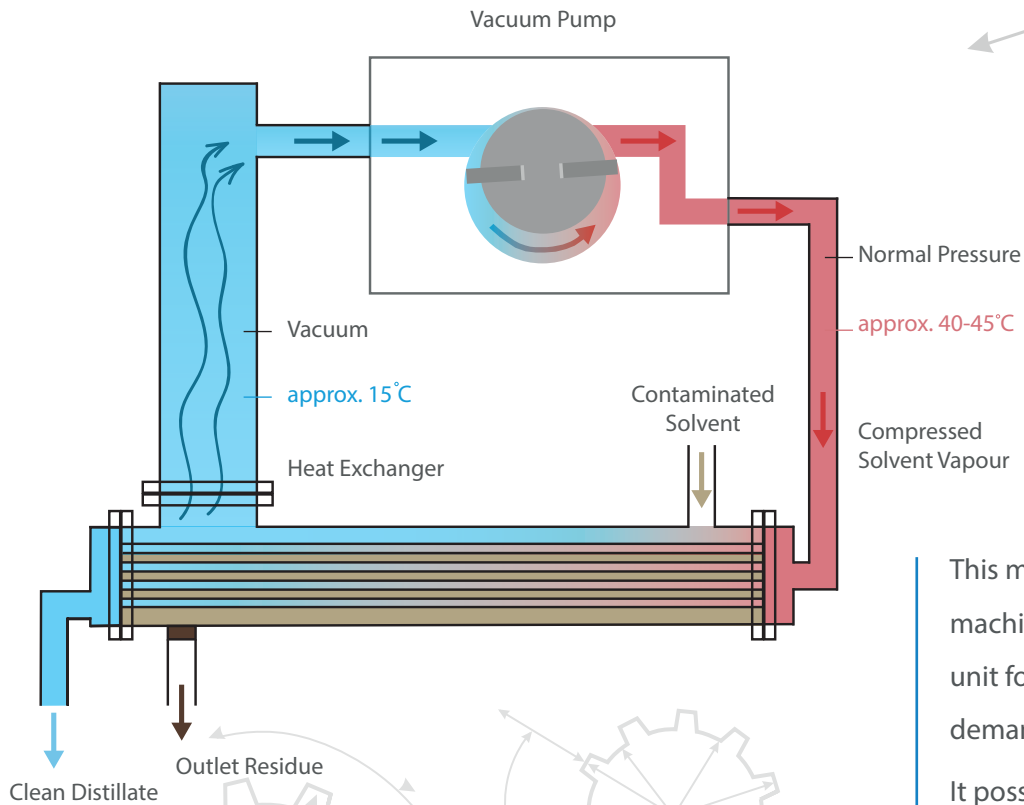
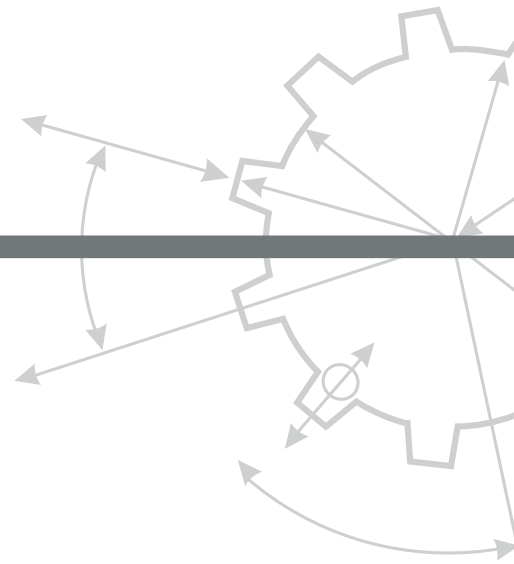
No Chiller connected

Dimension 1900 x 1000 x 1900 mm

Fully automated



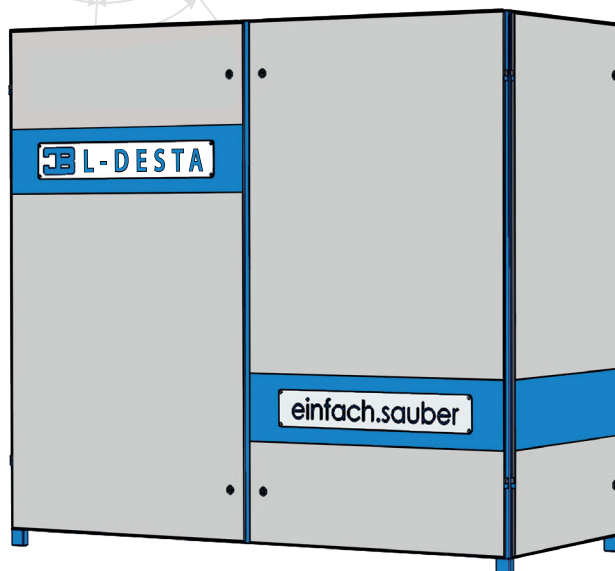
VACUUM DISTILLATION L-DESTA




This minimalistically designed machine is the ideal recycling unit for companies with a small demand of fresh solvent. It possesses no external heating source and is reduced to the minimum a distillation unit needs. Yet, the machine provides highest quality in distillate.

L-DESTA

- Capacity of 138 to 400 liter/day
- Explosion proof
- Electr. connection of 1.4 kW
- No Chiller connected
- Dimension 1240 x 660 x 1000 mm
- Fully automated

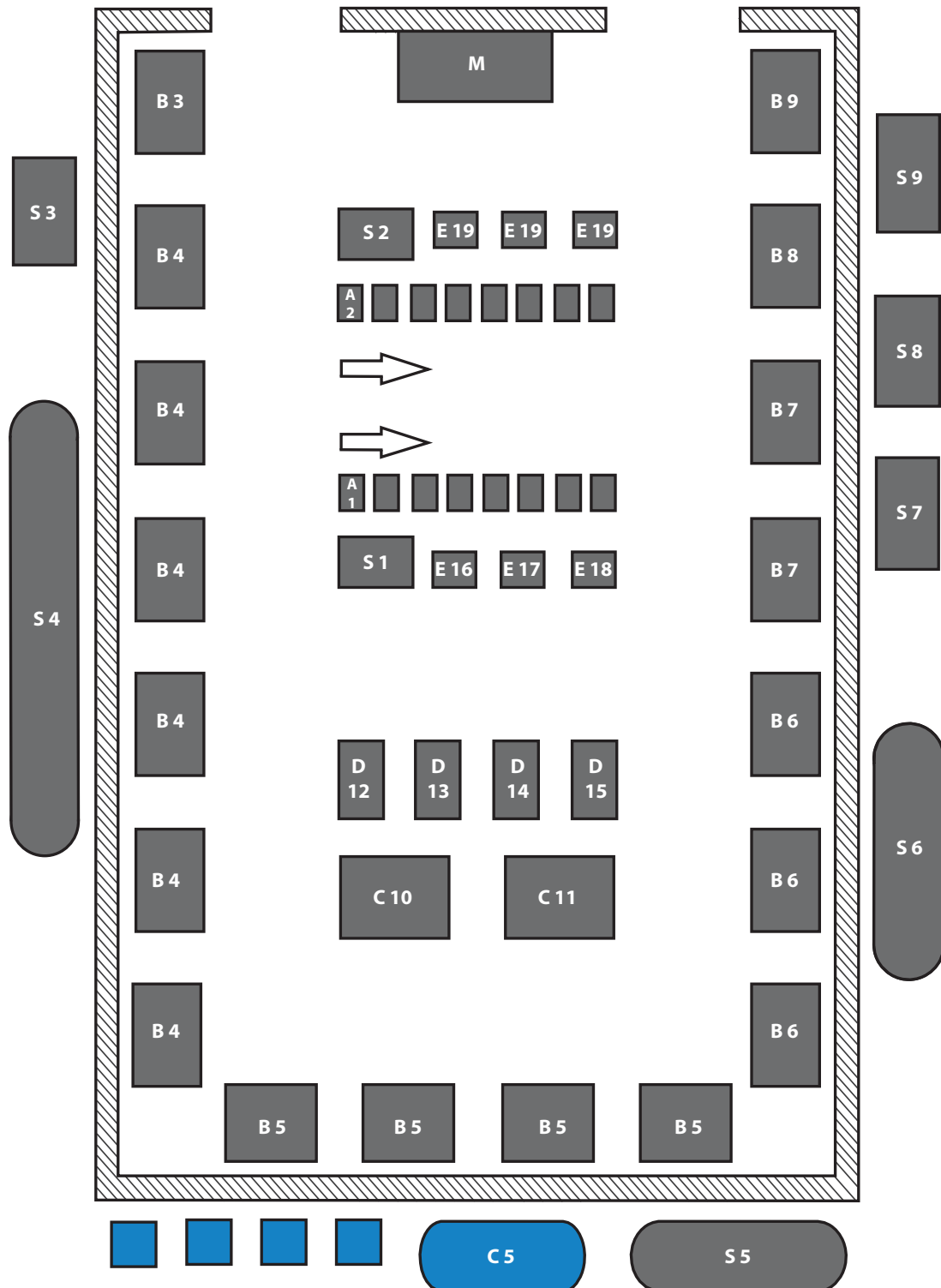


ABSTRACT OF RECYCABLE SOLVENTS

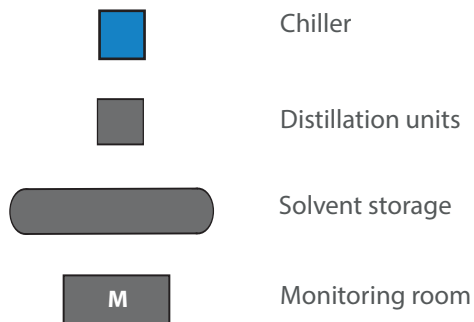


	DESTA	L-DESTA	SLD
Acetic Acid	x		x
Acetic Anhydride	x		x
Acetone		x	x
Benzene	x	x	x
iso-Butanol	x		x
Isopropanol		x	x
n-Butanol	x		x
tert-Butanol	x	x	x
Ethanol		x	x
Ethyl Acetate		x	x
MEK	x	x	x
n-Propanol	x		x
Perchloroethylene	x		x
Toluene	x		x
Water			x
Thinner			x
HFE		x	x
Modified Alcohol	x		
Hydro carbon	x		
CELLOSOLVE™	x		
Methylenchlorid	x		x

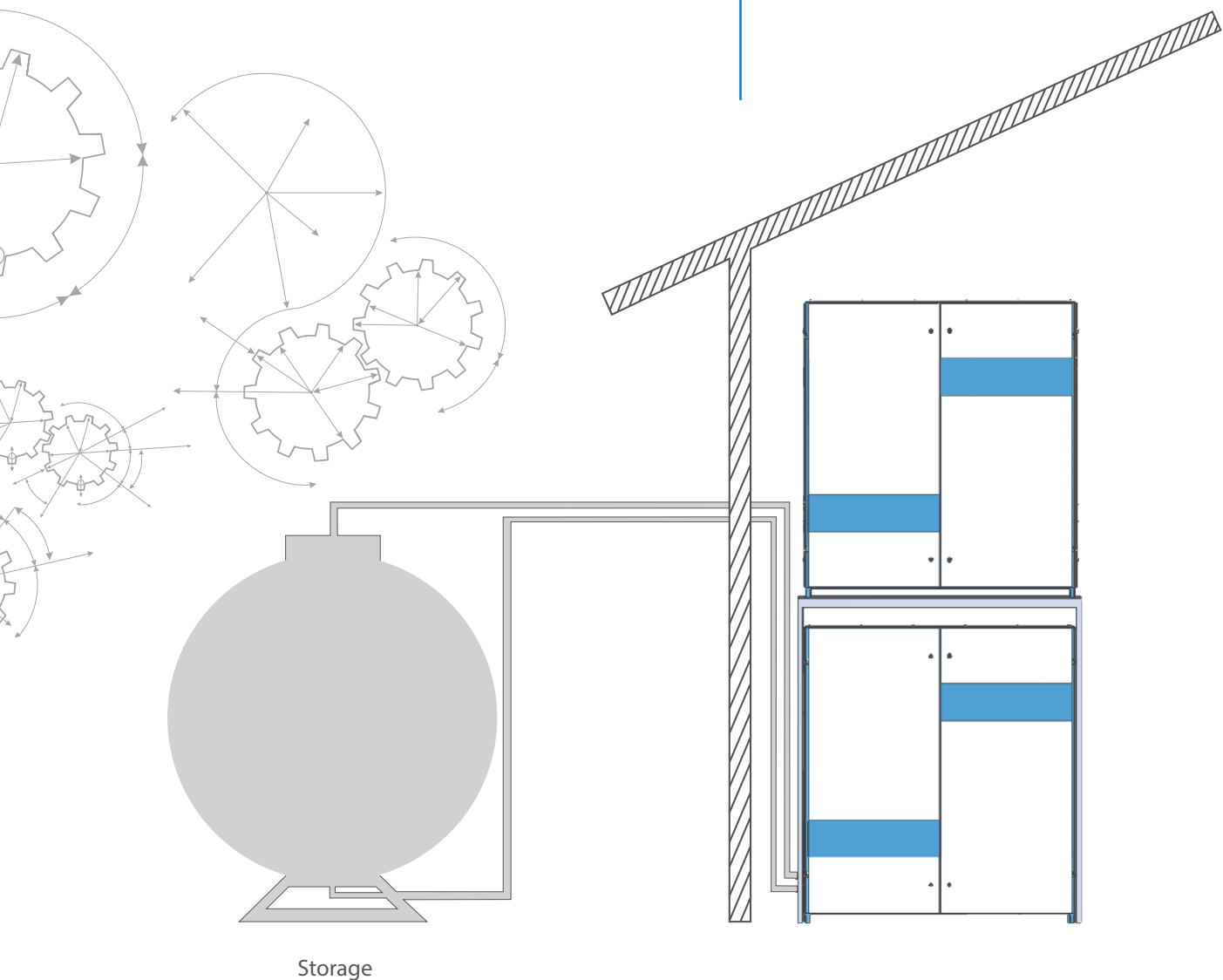
FLOOR PLAN WITH CAPTION



SECTIONAL VIEW OF A WORKSHOP



Bigger storages and chillers are positioned outside the shop floor for easy access and reducing inner workshop traffic



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