



catalogue
Sterilization

TRUCKS FOR THE TRANSPORT OF THE STERILE PRODUCTS
AND FOR THE COLLECTION OF THE PRODUCTS TO BE STERILIZED.

ALVI, a leading company...



Alvi s.r.l. ever since devotes itself to the solution of the logistic problems, distribution and storage of goods. Alvi 40 years know-how of light alloy working, and the employ of its products in different branches like textile industry, laundry and hospitals have enabled the natural passage to the sterilization branch.

The continuous research developed for the combined employ of different materials, as various plastics and stainless steel together with light alloy, and the constant engagement for the quality improvement make of Alvi products the best solution for logistic and storage of sterile products.



COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =



Alvi is the official distributor in Italy of Metro International Corp. products, for the hospital sector and the industrial laundries.

Why Aluminium?



Aluminium is light and resistant so that its employ in the industrial logistic allows a weight reduction maintaining the needed strength. Thanks to the resistance to the ultraviolet rays and to its lack of magnetism, the employ of the aluminium is particularly appreciated in the hospital field. Aluminium is a

completely recyclable material, this quality, besides avoiding the extraction of bauxite, enables to save the 95% of the energy called for its production, starting from the raw material.



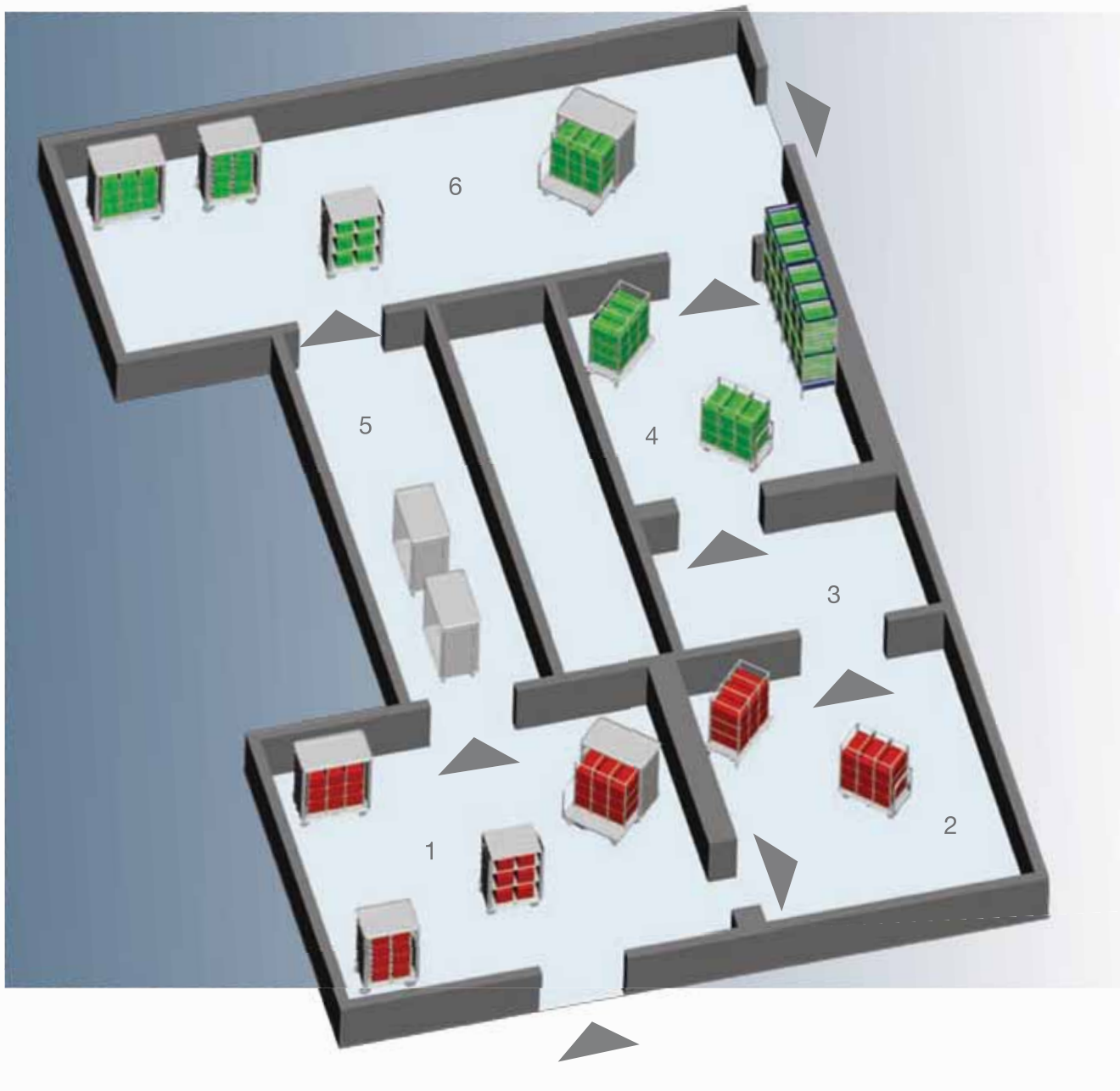
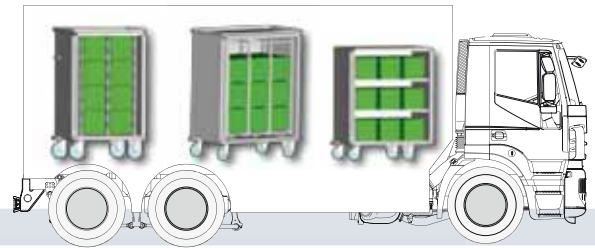
Why Alvi has chosen aluminium in the sterilization?

The resistance to corrosion, to high temperatures, the non-hygroscopicity and the high thermal conductivity allow an easy use in the washing tunnel and in the sterilizers.

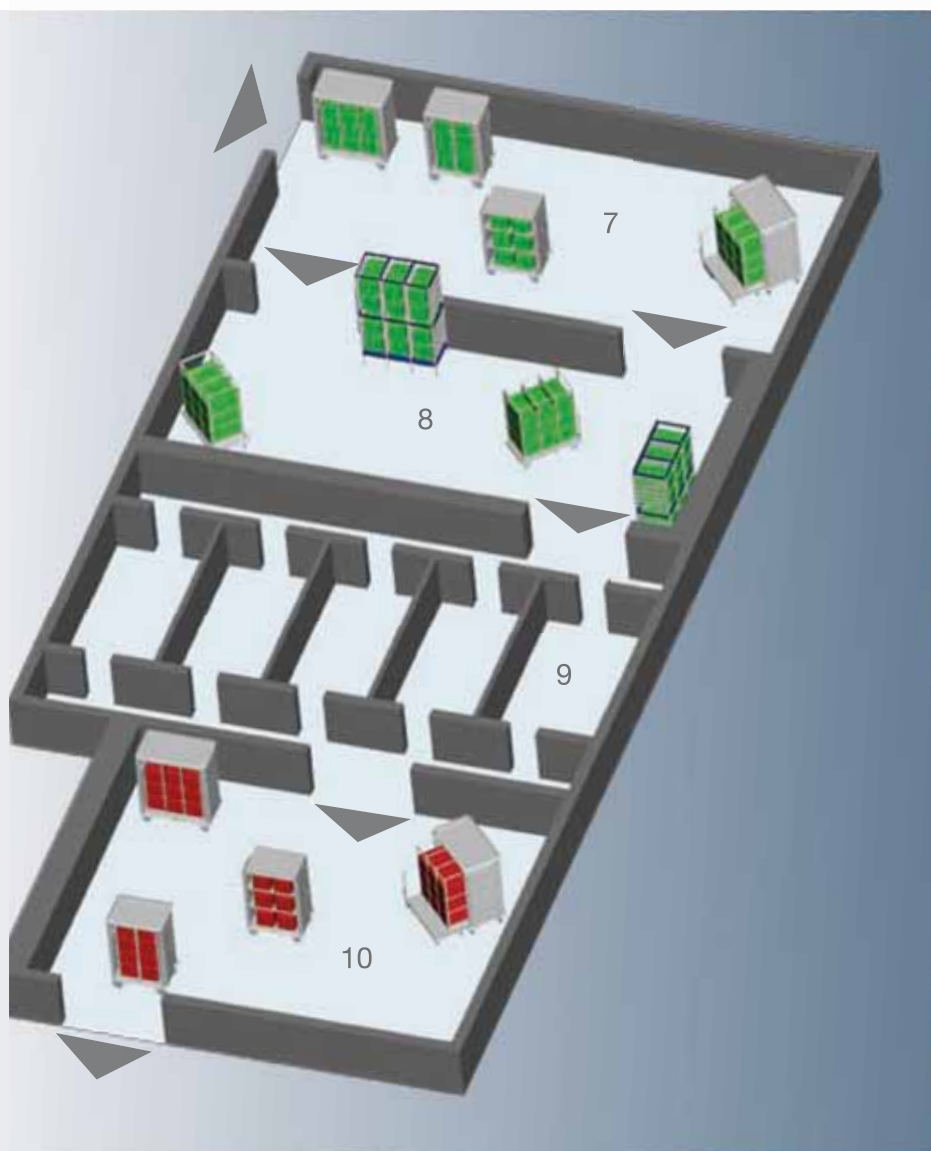
Alvi products begin their realization from a sheet of Aluminium AlMg3 treated with anodising till the achievement of a coating of oxide of 10 micron. The internal Quality controls assure the process repeatability. The anodising treatment grants the resistance to corrosion and thermal stress of washing and sterilization.

Alvi products in the process of sterilization

STERILIZATION CENTRE




OPERATING BLOCK

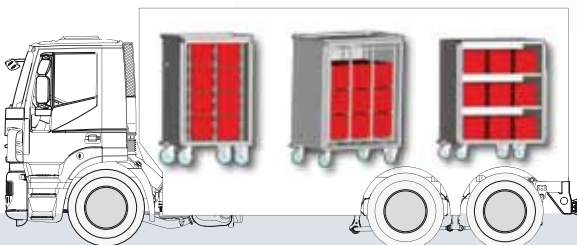


LEGENDA:

1. Reception area
2. Washing and disinfection
3. Sterilization
4. Sterile area
5. Washing tunnel
6. Distribution
7. Reception area
8. Sterile area
9. Ward
10. Return area

 Sterile goods

 Contaminated material



The locking system

The protection of sterile goods during the transport in contaminated areas is one of the basic characteristics of our products.

A strong activity of development and research has brought to the realization of a special locking system for the cupboard trucks used in the transport outside.



Both the central joint of the doors and the four corners of the opening assure a very good isolation of the contents.



The Shuttle system



The decentralization of the sterilization centres in regard to the operating blocks has led to the development of the shuttle system. The ensemble shuttle and cupboard truck assures the sterility of the contents during the transport from the sterilization centre to the operating blocks, and then permits the return from the ward of the goods to be sterilized. The ensemble shuttle and transport trolley enables the distribution of sterilized goods and the collection of the contaminated ones.

The shuttle system is the perfect solution to grant the protection of the sterilized goods during the transport outside. On the borderline, during the transfer of the shuttle from the cupboard truck to the transport trolley, the absence of contamination is granted.



The unloading platform completes the shuttle system in the storage areas of the ward.





The hooking system of the transport trolley to the cupboard truck or to the unloading platform is fast and safe. A system of levers activates simultaneously the fastening of the

transport trolley to its corresponding interface and the release of the shuttle. So the shuttle can't be handled between two elements, if not tied between them.







All the components of the shuttle system are suitable for washing and disinfection in the washing tunnels. Both the shuttles and the transport trolleys can be used in the sterilizer.



The Shuttle system 2 sections ISO-Norm



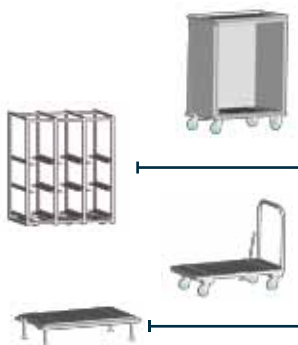
The shuttle for ISO containers allows also the transport of STE units placed on shelves.
The special rails in nylon enable the stop of the containers and of the shelves on both sides.

	Description	Code	Ext. mm.	Capacity	Weight
	Cupboard truck 5000 CR	SY 5000 ON 050	1230x710x1555 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	70 kg
	Shuttle 2 sections ISO- Norm 5020 CR	SY 5020 ON 050	874x600 x1180 h	18 containers ISO-Norm 600 x 400 x 100 h	22 kg
	Transport trolley 5010 CR	SY 5010 ON 050	1120x705x955 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	22 kg
	Unloading platform 5030 PT	SY 5030 ON 050	1230x710x260 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	25 kg

The Shuttle system 3 sections DIN-Norm



The shuttles 3 sections are equipped with 9 pairs of corners easily movable and adjustable in height. The stainless steel corners are equipped with wraparound rims for the stop of baskets and containers. They are ready to be equipped with movable stoppers for 1/2 sterile unit.

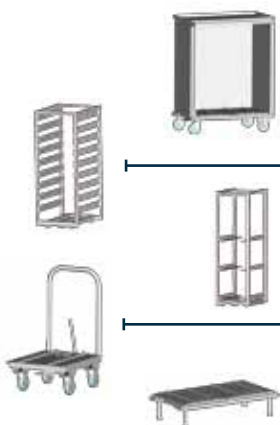
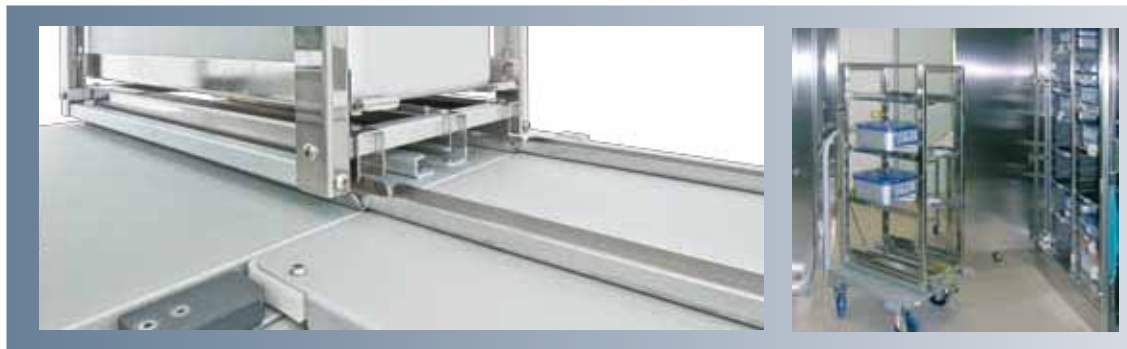


Description	Code	Ext. mm.	Capacity	Weight
Cupboard truck 5000 CR	SY 5000 ON 050	1230x710x1555 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	70 kg
Shuttle 3 sections DIN - Norm 5025 CR	SY 5025 ON 050	1010x600x1180 h	9 STE units 300 mm.h. + 3 STE units 150 mm. h	30 kg
Transport trolley 5010 CR	SY 5010 ON 050	1120x705x955 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	22 kg
Unloading platform 5030 PT	SY 5030 ON 050	1230x710x260 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	25 kg

The Shuttle system single sections



The shuttle system with single sections allows the use of shuttles 1 section both ISO and DIN, further reducing the weight and increasing the handling during the transfer.



Description	Code	Ext. mm.	Capacity	Weight
Cupboard truck 5000 CR	SY 5000 ON 051	1230x710x1555 h	2 shuttles 1 section ISO-Norm or 2 shuttles 1 section DIN-Norm	71 kg
Shuttle 1 section ISO - Norm 5020 CR	SY 5020 ON 051	451x600x1180 h	9 containers ISO-Norm 600 x 400 x 100 h.	14 kg
Shuttle 1 section DIN - Norm 5025 CR	SY 5025 ON 051	353x600x1180 h	3 STE units 300 mm. h + 1 STE unit 150 mm. h	15 kg
Transport trolley 5010 CR	SY 5010 ON 051	695x510x955 h	1 shuttle 1 section ISO-Norm or 1 shuttle 1 section DIN-Norm	22 kg
Unloading platform 5030 PT	SY 5030 ON 051	1230x710x260 h	2 shuttles 1 section ISO-Norm or 2 shuttles 1 section DIN-Norm	25 kg

The Shuttle system crosswise



The shuttle system crosswise is an innovative structure which allows a double movement of the shuttle, both on the longitudinal and transverse axis. This allows the introduction and extraction of the shuttle directly from the sterilizer as well as from the cupboard truck.

The system includes 2 hooking kits of the transport trolley, put at the entrance and exit of the sterilizer.










The shuttle system crosswise is suitable with shuttles 2 sections ISO-Norm or 3 sections Din-Norm.

The shuttle for ISO-Norm containers allows the transport of STE units placed on shelves.

The shuttles for STE units are equipped of 9 pairs of stainless steel corners easily movable and adjustable in height.



Patented system.
Patent MI2007 U000038

	Description	Code	Ext. mm.	Capacity	Weight
	Cupboard truck 5300 CR	SY 5300 ON 050	1230x710x1555 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	77 kg
	Shuttle 2 sections ISO - Norm 5320 CR	SY 5320 ON 050	1025x600x1180 h	18 containers ISO-Norm 600 x 400 x 100 h	24 kg
	Shuttle 3 sections DIN - Norm 5325 CR	SY 5325 ON 050	1025x600x1180 h	9 STE units 300 mm. h. + 3 STE units 150 mm. h	32 kg
	Transport trolley 5310 CR	SY 5310 ON 050	1170x705x955 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	25 kg
	Unloading platform 5330 PT	SY 5330 ON 050	1230x710x260 h	1 shuttle 2 sections ISO-Norm or 1 shuttle 3 sections DIN-Norm	25 kg

Cupboard trucks for sterile containers

The cupboard trucks are suitable for the distribution of sterilized goods and the collection of goods to be sterilized. The contents are protected in an optimal way.

Cupboard trucks 3162CR and 3165CR are the ideal solution for the transport on lorry. The doors are equipped with a halfway stopping position at 260° to facilitate the washing.

The nylon fibreglass rails are suitable for metal containers for sterile goods placed on shelves and for polypropylene containers with lid for dirty instruments.

Model 3165CR
3 vertical sections
has a capacity of
12 STE units or
12 polypropylene
containers
530x325x200 mm. h.



Model 3162CR
2 vertical sections
has a capacity
of 8 STE units or
8 polypropylene
containers
530x325x200 mm. h.



Telescopic rails make easier the containers handling.



Cupboard trucks 1622CR and 1625CR are equipped with stainless steel movable shelves and bottom.



Model 1622CR has a maximum capacity of 6 containers
600 x 300 x 300 mm. h.



Model 1625CR has a maximum capacity of 9 containers
600 x 300 x 300 mm. h.

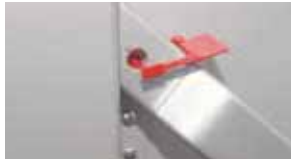


All the cupboard trucks are equipped with superelastic wheels with double watertight roll-bearings, and stainless steel brackets.

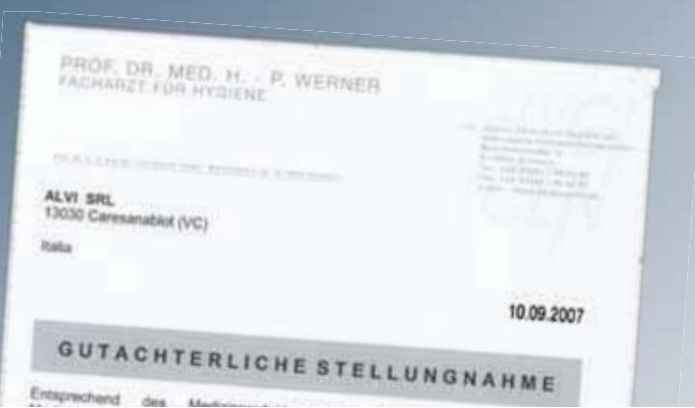
Art	Code	Int. mm.	Ext. mm.	Ø wheels	Weight
1622 CR	RH1622ON003	877x630x1220 h	977x710x1500 h	160 mm	67 kg
1625 CR	RH1625ON010	1130x630x1220 h	1230x710x1500 h	160 mm	77 kg
3162 CR	RH3162ON001	877x630x1220 h	977x710x1585 h	160 mm	115 kg
3165 CR	RH3165ON004	1130x630x1220 h	1230x710x1585 h	160 mm	71 kg

Accessories

Code	Description
XTR 1550	Tow bar
XSER 1550	Lock
XTS1550	Seal cutter
XPC A4	Card-holder A4
XPC A5	Card-holder A5
BLSFL4004	Wire shelf 40x60
XFC 1600	Central brake for 1600CR
YRU 160/200F	Independent brake
XBD 1600	Rotation fastening system for 3165CR
XBD 3170	Rotation fastening system for 3162CR
XPA 3223	Extra push-handle
BLSFL3003	Shelf for 3165CR and 3162CR



Hygiene certificate



Cupboard trucks comply with the hygienic rules for drugs transport and transported goods are perfectly protected.

Special projects

On request special models of cupboard trucks for the distribution of sterile containers can be realized.



The shuttle system can be fitted for the transport on AGV.







Cupboard truck one vertical section. Suitable for ISO-Norm 40x60 containers and STE units on wire shelf.

Containers



Bright wire stainless steel baskets with continuous wire finish anti-tear. They are available in both sizes ISO-Norm and Din-Norm.



Description	Code	Ext. mm.	Material	Weight
 Wire basket	BLSFL0130	580x280x130 h	Stainless steel	1,54 kg
 Wire basket	BLSFL0260	580x280x260 h	Stainless steel	2,04 kg
 ISO container	BLSFL6100	400x600x100 h	Stainless steel	1,12 kg
 ISO container	BLSFL6200	400x600x200 h	Stainless steel	1,38 kg



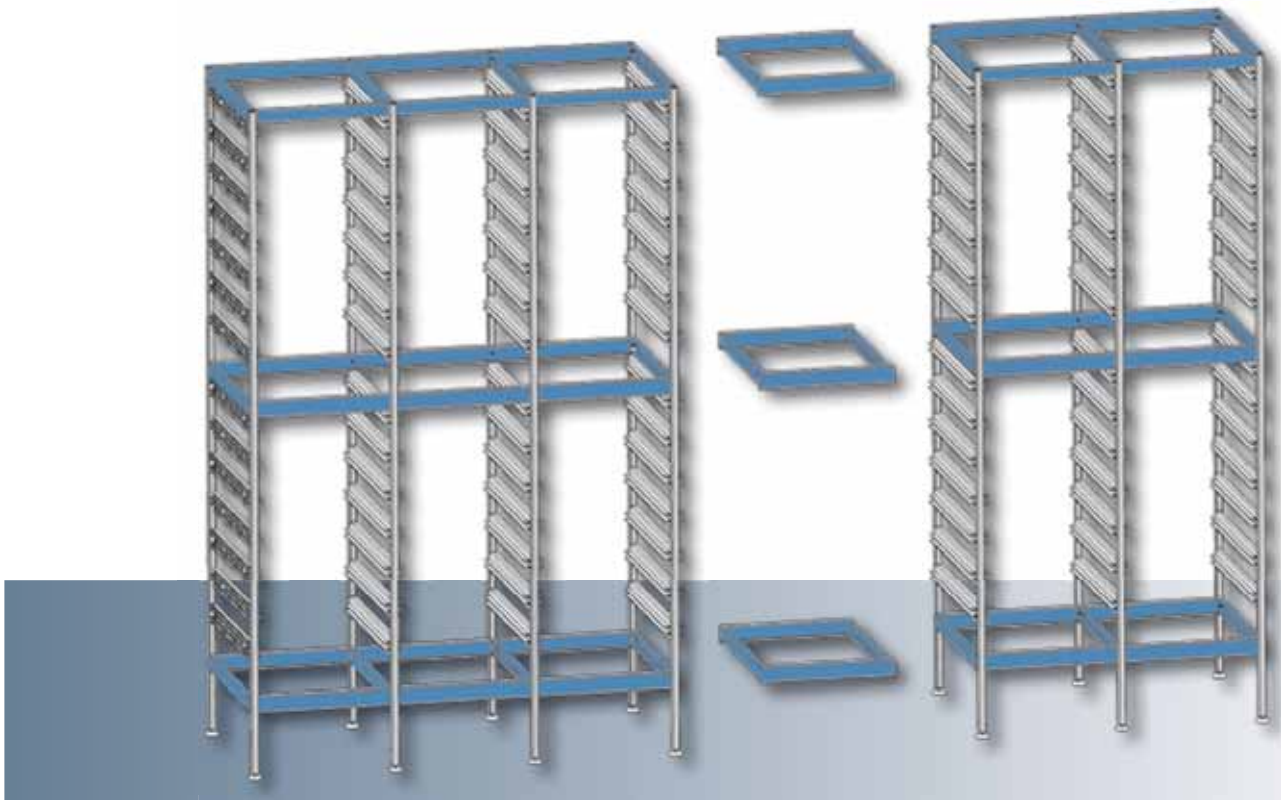
The containers in polypropylene with lid are suitable for dirty instruments and they are thermoresistant from -40°C up to +100°C.

Description	Code	Ext. mm.	Colour	Weight
Container	BGDNN71100B	325 x 256 x 100 h	●	0,50 kg
Container	BGDNN71100R	325 x 256 x 100 h	●	0,50 kg
Container	BGDNN71200B	325 x 256 x 200 h	●	0,70 kg
Container	BGDNN71200R	325 x 256 x 200 h	●	0,70 kg
Container	BGDNN70100B	325 x 530 x 100 h	●	1,20 kg
Container	BGDNN70100R	325 x 530 x 100 h	●	1,20 kg
Container	BGDNN70200B	325 x 530 x 200 h	●	1,40 kg
Container	BGDNN70200R	325 x 530 x 200 h	●	1,40 kg

Storage



Alvi racks for ISO-Norm containers are realized in painted steel and aluminium with nylon fibreglass rails. On request racks are available for STE containers.



Art.	Code	Ext. mm.	Vert. Sect.	Containers	Capacity
3420 QL	QL3420ON002	1315 x 620 x 2020 h	3	600 x 400 x 100 h	42
3425 QL	QL3425ON002	890 x 620 x 2020 h	2	600 x 400 x 100 h	28
3400 QL	QL3400VN002	600 x 400 x 100 h	-	-	14



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