





SERVO-DRIVE Flex

Easy opening of integrated appliances is assured by SERVO-DRIVE flex, the electrical motion support system for built-in refrigerators, freezers and dishwashers.



Whether left or right opening, sliding or fixed door installation applications, SERVO-DRIVE flex can be used with standard integrated refrigerators, combination fridge/freezers, freezers and dishwashers.



Versatile applications

The SERVO-DRIVE flex drive unit is suitable for a variety of applications. Depending on the application of the integrated appliance, two drive units may be required.

ablum°

SERVO-DRIVE flex is suitable for refrigerator heights up to 1780 mm and freezer heights up to 1580 mm For taller applications an additional SERVO-DRIVE flex drive unit is recommended.

NB: SERVO-DRIVE flex is not suitable for use with drawer fridges, freezer NH1780 with the cooling unit on the bottom or integrated refrigerators or freezers without a cabinet.







SERVO-DRIVE flex automatically adapts

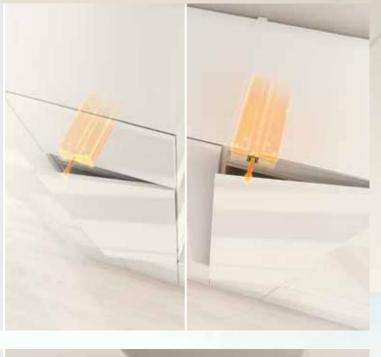
to suit the door properties. This ensures that the door always opens reliably.

Automatic self-closing

If the door is not fully opened after triggering the opening support system, the magnetic rod pulls the front shut again. This ensures that the door does not remain open accidentally.



After opening, the rod retracts into the drive unit so the working area remains free. The opening function is not triggered again until pressure is applied to the front.







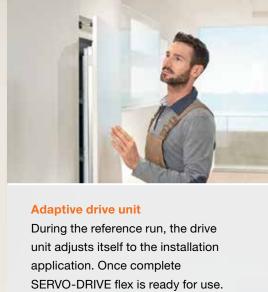
Easy assembly and installation

SERVO-DRIVE flex is assembled and installed easily and conveniently in just a few steps. Simply attach the mounting plates and clip on the drive unit, connect the unit to the power supply, mount the front and setting the drive unit. The SERVO-DRIVE power cable is connected to the power supply via the familiar connecting node system (plug and play system). If the drive unit needs to be accessed after installation the front cover can easily be unclipped.

Ablum









SERVO-DRIVE electrical motion support system enhances user comfort and provides freedom of motion. SERVO-DRIVE has created a new quality of motion. Drawers, pull-outs and wall cabinets open as if by themselves and close silently and effortlessly thanks to the integrated BLUMOTION soft-close feature of Blum fittings. SERVO-DRIVE not only makes furniture practical but also offers new design options including handle-less designs.

Ablum





SERVO-DRIVE for drawers/pull-outs

When drawers and pull-outs are fitted with SERVO-DRIVE a light touch on handle-less fronts or gentle pull on handles is enough to trigger the opening sequence.

Available for LEGRABOX, TANDEMBOX, MOVENTO and TANDEM drawer systems.



SERVO-DRIVE for AVENTOS

Wall cabinets open with a light touch on the front with SERVO-DRIVE for AVENTOS.
A special feature of SERVO-DRIVE for AVENTOS is that lift systems close automatically with the press of a button.

Available for AVENTOS HF, AVENTOS HS, AVENTOS HL and AVENTOS HK lift systems.



SERVO-DRIVE uno

SERVO-DRIVE uno is a simple way to add our electrical motion support to a single drawer/ pull-out. This is especially practical for frequently used pull-outs such as the waste bin pull-out. It can be opened with your knee, hip or foot.



Uniform technology

Whether used with Blum's drawer systems in base cabinets, AVENTOS lift systems in wall cabinets or together with integrated applicances the SERVO-DRIVE technology is the same. One system is used for all applications throughout the kitchen. One transformer can connect the individual drawer/pull-out, AVENTOS and SERVO-DRIVE flex drive units

Ablum

NB: One SERVO-DRIVE transformer connects up to 50 drawers/pull-outs. The transformer can also be connected to SERVO-DRIVE for AVENTOS (equivalent to 3 drive units for drawers) and SERVO-DRIVE flex drive units (equivalent to 1 drive unit for drawers). I.e. one transformer can connect 43 drawers, 2 AVENTOS lift systems and 1 SERVO-DRIVE flex (single) application.



One system is used in all SERVO-DRIVE applications throughout the kitchen.



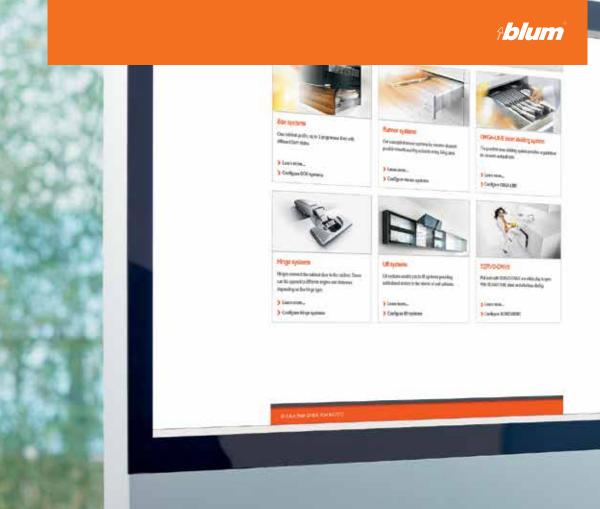
SERVO-DRIVE flex refrigerator application connected to SERVO-DRIVE transfomer (base mounted).

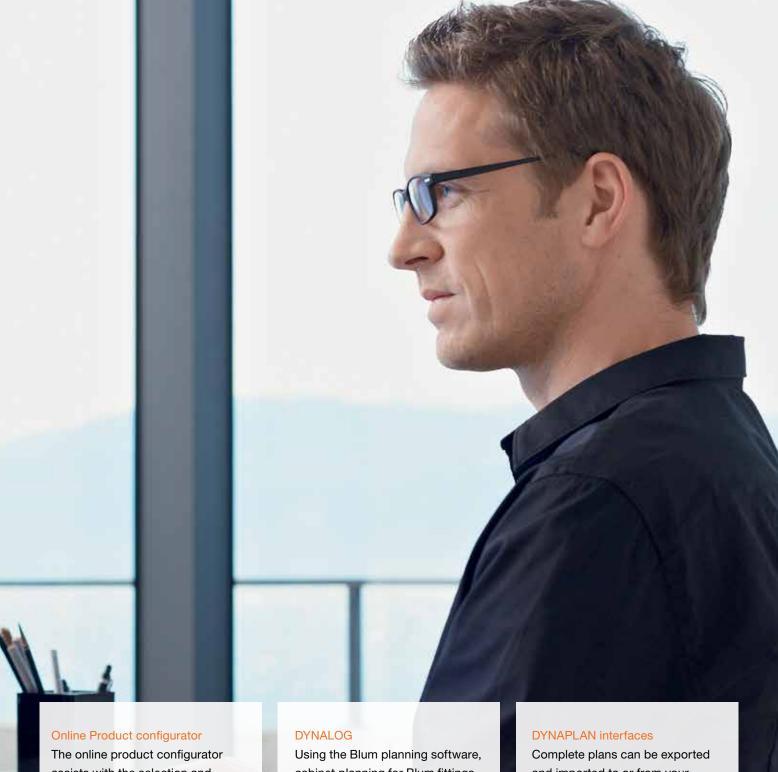


SERVO-DRIVE flex dishwasher application connected to the SERVO-DRIVE transfomer (panel mounted)



Blum would like to make the ordering, assembly and marketing of its products as easy as possible for our customers and partners. A variety of useful online applications as well as special planning and ordering software are available to support your daily activities.





The online product configurator assists with the selection and ordering of the correct fittings. Along with parts lists for your desired fitting solution, you also get marketing information, manufacturing and assembly documentation as well as 2D/3D CAD data.

www.blum.com/productconfigurator



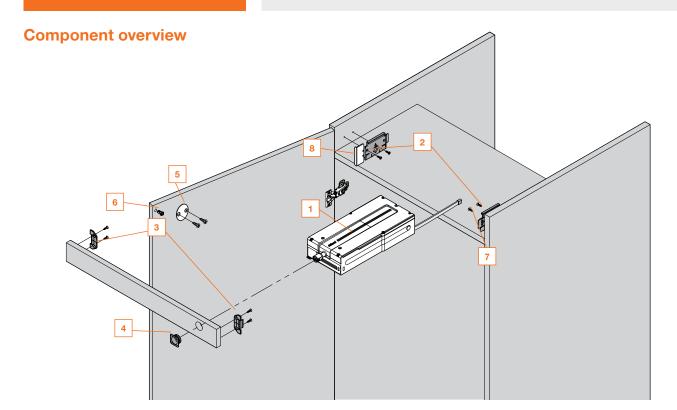
Using the Blum planning software, cabinet planning for Blum fittings is complete, precise and achieved with ease. The program can be operated intuitively. Automatic collision checks ensure designs are feasible and do away with trial applications. DYNALOG is available for complimentary download from the Blum website; www.blum.com/services

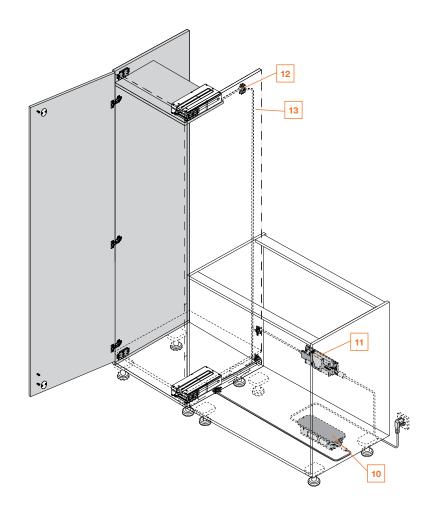
Complete plans can be exported and imported to or from your CAD or CAM system at the touch of a button via interfaces in DYNAPLAN. In this way, DYNAPLAN supports your main program with both every-day solutions as well as special constructions.

SERVO-DRIVE flex

Ordering and planning information for refrigerator and freezer applications

ablum





Ordering and planning information for refrigerator and freezer applications

SERVO-DRIVE flex



SERVO-DRIVE flex set

1	Drive unit	1x
6	Drive unit opens handle-less refrigerators, freezers and dishwashers.	t

6	Blum distance bumper
	The Blum distance bumper ensures the required trigger path of 2mm.

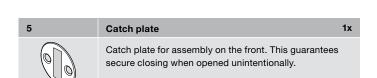


7	Chipboard screw
ımı	

3	Front fastening	2x
	Fitting for fastening the front to the side mounting p	lates.

Front cover

8	Assembly template
	Template for positioning the mounting plate on the side of the cabinet.



'panel' version of the transformer unit housing is used.

Cover guarantees a consistent appearance.

Connecting node This node establishes the electrical connection between the distribution cable and the transformer.

Accessories required depending on installation situation (see page 18)

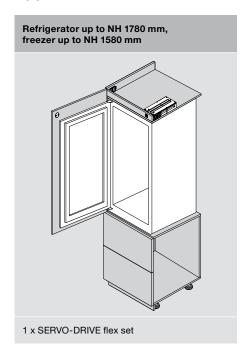
10 + 11	Blum transformer 72 W	12	Cable end protector
	When using more than one SERVO-DRIVE flex drive unit, the 72 W transformer is required.		The cable end protector is inserted into the ends of the cable.
10	Transformer unit housing for cabinet base fixing	13	SERVO-DRIVE cable 800cm
	The transformer is easily and securely stored in the 'base' version of the transformer unit housing.		This cable is required for the synchronisation of two SERVO-DRIVE flex units and connection to the power supply.
11	Transformer unit housing for panel fixing		
	If the transformer is to be attached to the panel, then the		

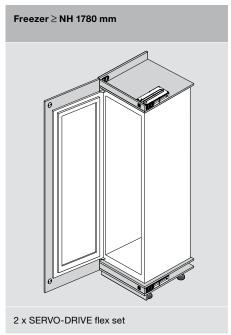
1x

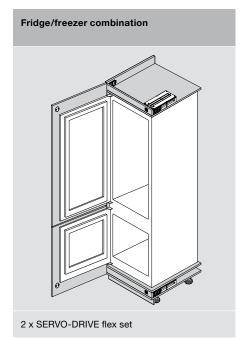


Ordering and planning information for refrigerator and freezer applications

Application







Order specification

	SERVO-DRIVE flex	
	SERVO-DRIVE flex drive set	Z10C500A
1000	Components included: 1 x drive unit, 2 x mounting plate, 2 x front fastening, 1 x front cover, 1 x catch plate, 3 x Blum distance bumper, 11 x chipboard screw, 1 x assembly template, 1 x connecting node	
	*Number of SERVO-DRIVE flex sets required depends on the application	
	Blum transformer*	
	Blum transformer 72W	Z10NE020D
***	Flex	Z10M200K
	Transformer unit housing for cabinet base fixing 1x	Z10NG000
	Alternative: Transformer unit housing for panel fixing 1x	Z10NG120
8	Connecting node (1x), Cable end protector (2x)	Z10V100E.01
		Z10K800AE
	SERVO-DRIVE cable 800cm** for cutting to size	Z10K0009
	Cable holder	
Note: For applic	ations with two SERVO-DRIVE flex units an additional SERVO-DRIVE cable, connecting node, cable end protector and cable hold	er are required.

^{*}SERVO-DRIVE flex is an application for SERVO-DRIVE. A transformer is required for power supply.

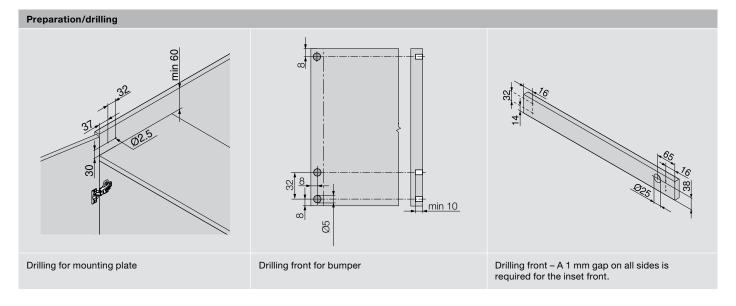
^{**}The SERVO-DRIVE cable is used for applications that synchronise and connect two SERVO-DRIVE flex units. In addition the cable can be used with a connecting node to extend the power supply cable.

Ordering and planning information for refrigerator and freezer applications

SERVO-DRIVE flex



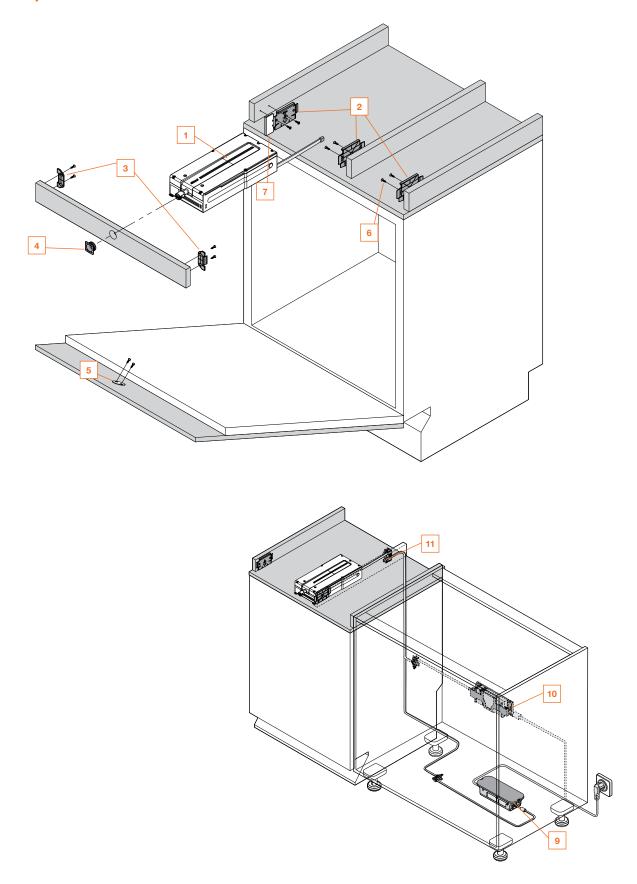
Planning information



Ordering and planning information for dishwasher applications

ablum

Component overview

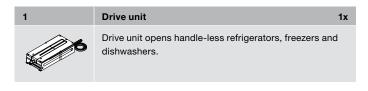


Ordering and planning information for dishwasher applications

SERVO-DRIVE flex



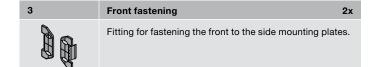
SERVO-DRIVE flex set



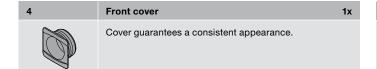
5	Catch plate	1x
	Catch plate for assembly on the front. This guarantees secure closing when opened unintentionally.	•

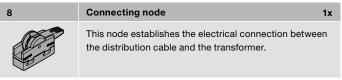


6	Chipboard screw	11x
IIIII		



7	Assembly template	1x
	Template for positioning the mounting plate on the sid of the cabinet.	е





Optional accessories for dishwashers

9 +10	Blum transformer 72 W
	When using more than one SERVO-DRIVE flex drive unit, the 72 W transformer is required.

11	Cable end protector
	The cable end protector is inserted into the ends of the cable.

9	Transformer unit housing for cabinet base fixing
	The transformer is easily and securely stored in the 'base' version of the transformer unit housing.

8	Connecting node	1x
	This node establishes the electrical connection between the distribution cable and the transformer.	een

10	Transformer unit housing for panel fixing
	If the transformer is to be attached to the panel, then the 'panel' version of the transformer unit housing is used.

Additionally required for dishwashers

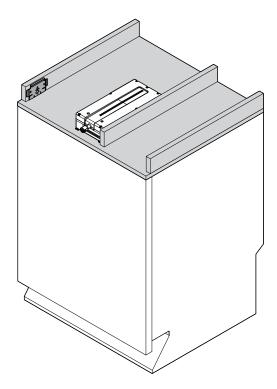
2	Mounting plate 1x
\$ 3.3	Mounting plate for clipping on the drive unit and the front.

SERVO-DRIVE flex



Ordering and planning information for dishwasher applications

Application



Order specification

	SERVO-DRIVE flex		
	SERVO-DRIVE flex set drive unit	1 x	Z10C500A
10 0	Additional mounting plate for use with dishwashers	1 x	Z10C5005
	Components included: 1 x drive unit, 2 x mounting plate, 2 x front fastening, 1 x front cover, 1 x catch plate, 3 x Blum distance bumper, 11 x chipboard screw, 1 x assembly template, 1 x connecting node		

	Blum transformer*	
	Blum transformer 72W	Z10NE020D
200	Flex	Z10M200K
	Transformer unit housing for cabinet base fixing 1x	Z10NG000
	Alternative: Transformer unit housing for panel fixing 1x	Z10NG120
	Connecting node (1x), Cable end protector (2x)	Z10V100E.01 Z10K800AE
	SERVO-DRIVE cable 800cm** for cutting to size	Z10K0009
	Cable holder	

^{*}SERVO-DRIVE flex is an application for SERVO-DRIVE. A transformer is required for power supply

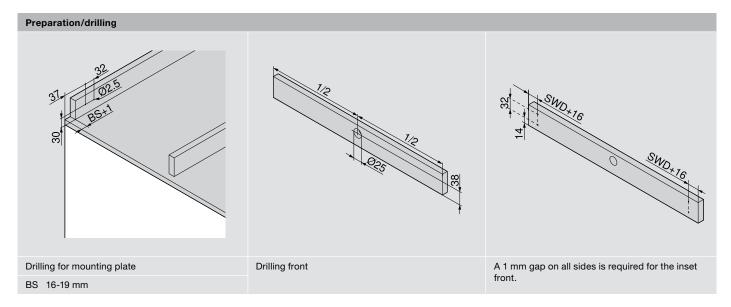
^{**}The SERVO-DRIVE cable can be used with a connecting node to extend the power supply cable.

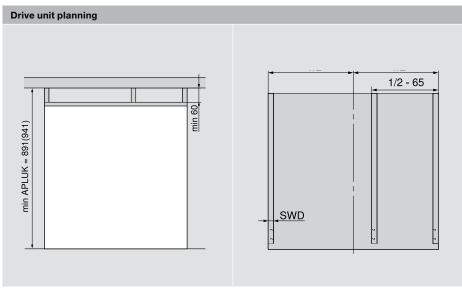
Ordering and planning information for dishwasher applications

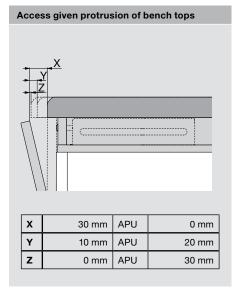
SERVO-DRIVE flex



Planning information





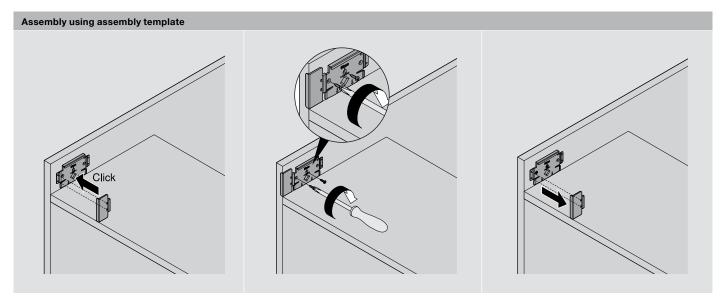


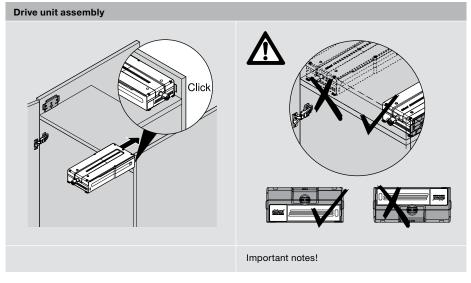
NH	Recess height
BS	Front thickness
SWD	Side panel thickness

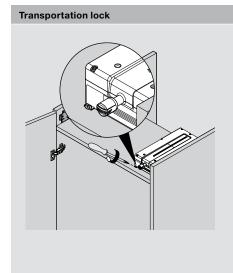
APLUK	Bottom edge of bench tops
APU	Protrusion of bench tops

Ablum

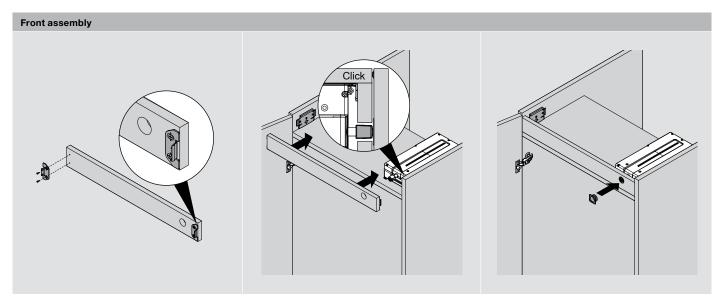
Assembly

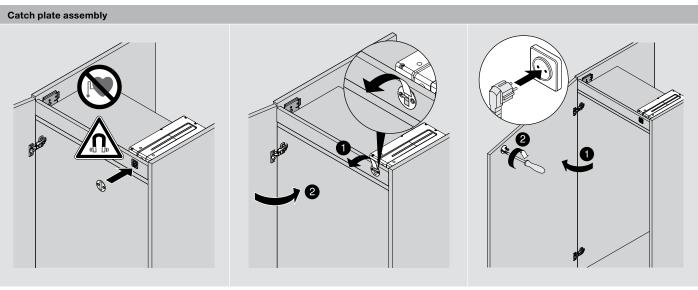


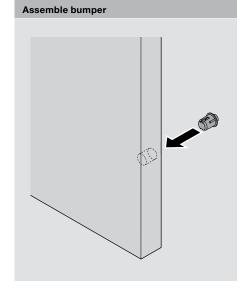


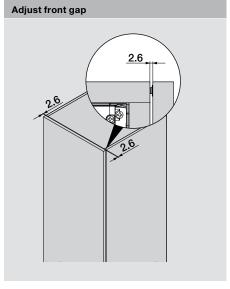










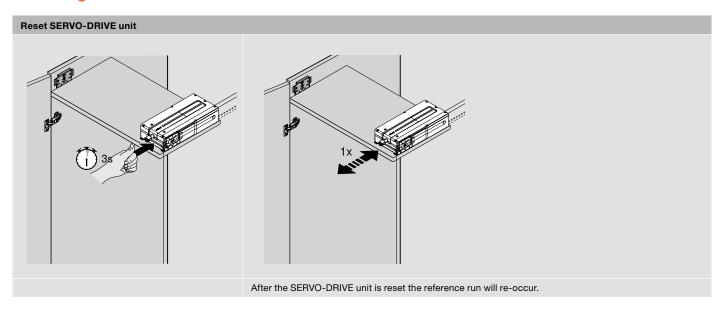




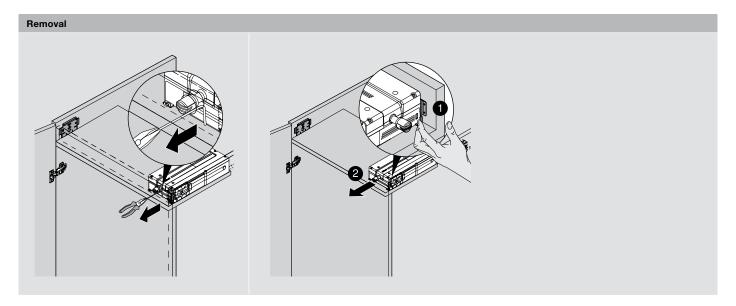
Removal information for refrigerators and freezers



Resetting the drive unit

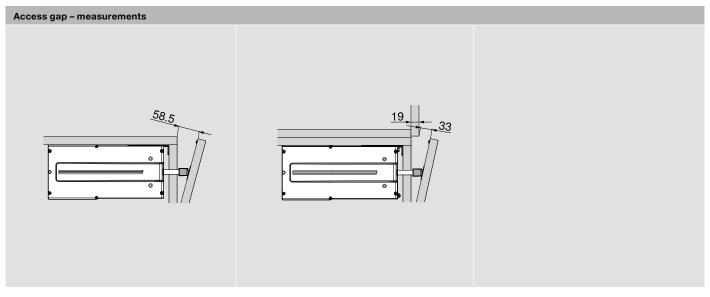


Removal



Installation options for refrigerator and freezer applications





Installation situations (number of SERVO-DRIVE flex units required depends on the respective application)



Refridgerator



Freezer

General notes

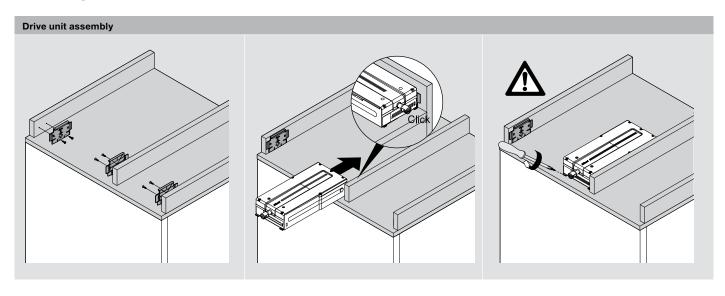


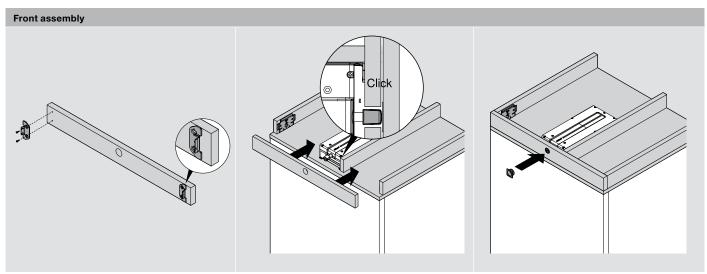
If the door of the device is left open for a relatively long time, for example when putting away shopping, a vacuum may be created inside the refrigerator or freezer after it has been closed. This may result in it not being possible to open the door of the device for a few seconds. This vacuum normally disappears after a short amount of time and the opening function becomes fully operational once again.

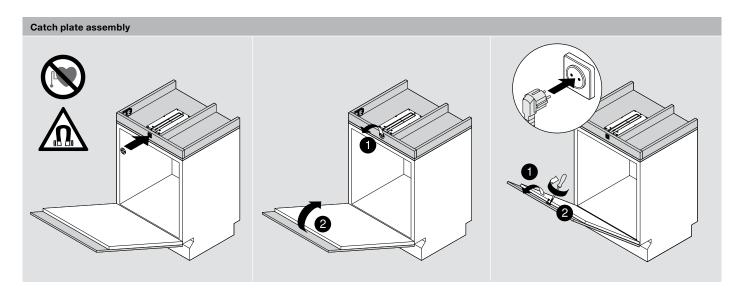
Assembly information for dishwasher applications

Ablum

Assembly



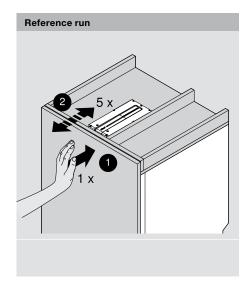


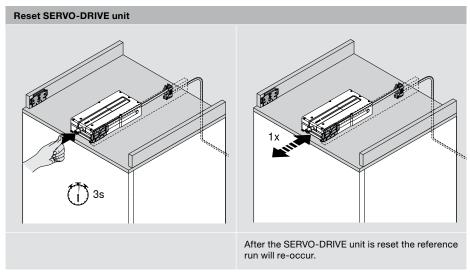


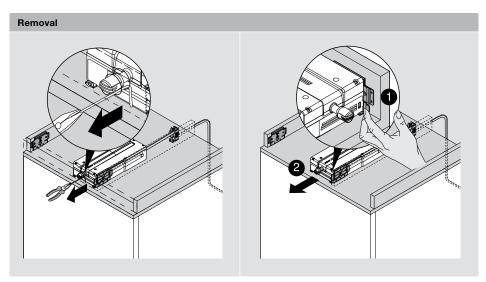
Removal information for dishwasher applications

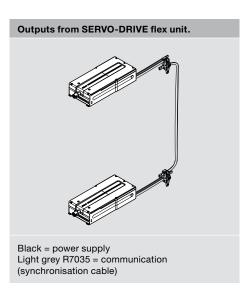


Installation and removal









Blum transformer assembly

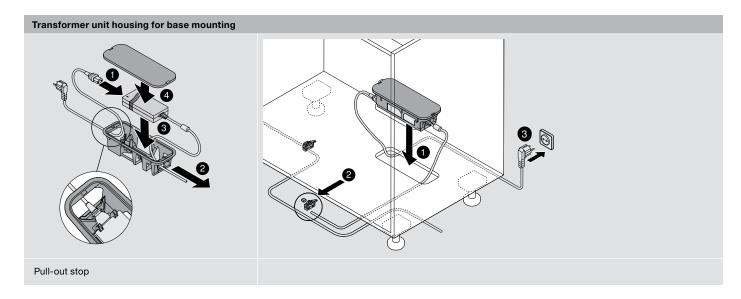


Base mounting

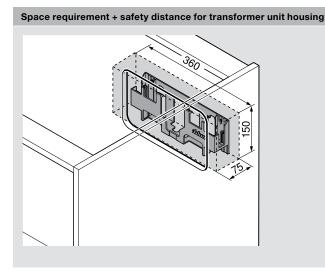
Space requirement + safety distance for transformer unit housing

Note:

Maintain a 30 mm safety distance from the bottom edge (base mounting) and/or front edge (panel mounting) and side edges of the transformer unit housing to the neighbouring elements to allow for air circulation; otherwise, there is a risk that the Blum transformer could overheat.



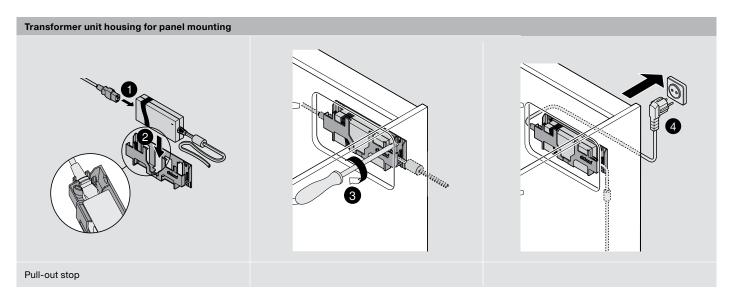
Panel mounting



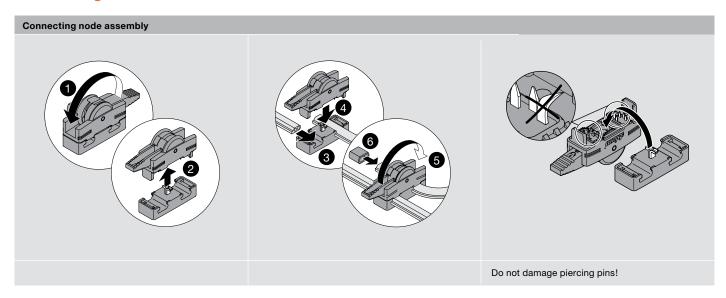
Note:

Maintain a 30 mm safety distance from the bottom edge (base mounting) and/or front edge (panel mounting) and side edges of the transformer unit housing to the neighbouring elements to allow for air circulation; otherwise, there is a risk that the Blum transformer could overheat.





Connecting nodes



Blum

Founded over 60 years ago by Julius Blum, today Blum is an internationally active family-owned company. Blum is trusted and renowned worldwide for designing a comprehensive range of high quality industry leading products that significantly enhance user convenience and ergonomics in the kitchen and throughout the home. That's why we make every effort to perfect the motion of our lift, hinge, box and runner systems.

pblum







Design is more than an attractive appearance

Form, function and the focus on perfecting motion are and have always been firmly interlinked at Blum. This means that Blum products turn the use of high-quality furniture into a true experience and offer the ideal fitting solution for every home. Blum incorporates current design trends, personal preferences and functional furniture use. Blum fittings are internationally recognised for their sophisticated design and functional excellence.

Quality for the lifetime of the furniture

For over 60 years, quality has been the highest principle for the development and manufacture of Blum products. Our fittings exemplify quality with their well-thought-out function and durability, engineered to provide problem free use for the lifetime of the furniture. We achieve this by using the strictest internal guidelines and rigorous testing that form the basis of our ISO9001 Quality Management System.







Innovation for high living comfort

We want our fitting solutions to be innovative and make everyday kitchen use easier. That's why our developments are based on findings from requirements research and input from our customers. Blum is one of the largest patent applicants in Austria and has more than 1,000 registered trademarks. CLIP, tool free assembly, TANDEM technology, MOVENTO technology, soft-close BLUMOTION and SERVO-DRIVE electrical motion support system are all innovations by Blum and milestones in the furniture manufacturing industry.

Our contribution to the environment

Blum strives to minimise its environmental impact with environmental protection being an integral part of everything we do. We use environmentally friendly processes, use raw materials intelligently and save energy wherever we can. Our commitment to environmental protection is internationally recognised and rewarded. We endeavour to maintain and are always looking to improve our environmental management systems.











Blum Showrooms Sydney (Head Office)

10 Blackbird Close Len Waters Estate NSW 2170 Ph: 02 9612 5400

Adelaide

179 Railway Terrace Mile End SA 5031 Ph: 08 8118 6070

Brisbane

6/39-45 Compton Road Underwood QLD 4119 Ph: 07 3135 9490

Melbourne

245 Ferntree Gully Road Mount Waverley VIC 3149 Ph: 03 9982 1720

Perth

3/50 Howe Sreet Osborne Park WA 6916 Ph: 08 6467 0110

Place distributor or company contact details here.

Blum Australia Pty. Ltd. P.O. Box 1615 Green Valley NSW 2168 Toll Free: 1800 179 186 E-Mail: info.au@blum.com

