

MORE COMFORT ON THE MOVE.

EXACTLY WHERE YOU WANT IT.



Camping Product Catalogue 2010/2011

valid from 01/07/2010



More comfort on the move

Exactly where you want it.

Solutions for people who love freedom.

With over 148 million square kilometres of land, 6 different continents and 193 different countries, there's a whole world out there just waiting to be discovered. But campers know that the most enjoyable voyages of discovery are those where they can enjoy comfort at its best whilst on the move. More often than not, this is achieved by Truma's products and 60 years of reliable experience.

Today, every camper in Europe is familiar with the Truma brand. By inventing the "first officially recognised caravan heating system" in the early 1960s, we were the company who made excursions in colder regions and during the cooler seasons possible for the very first time.

Anyone who uses our top-quality equipment automatically associates their happiest holiday memories with us. So that we can offer you more comfort on the move in the future, our commitment to what we do is increasing all the time. Thanks to ongoing research and development, we are continually able to provide you with the latest solutions and key innovations in the area of camping.

This catalogue presents our comprehensive range of products clearly presented and accompanied by a new system of symbols to help you find your way around it. Whether you're looking for gas supplies, manoeuvring systems or solutions for power, heating or cooling, on the pages that follow you'll find countless products for making your camping holiday an even more enjoyable experience. After all, the same is true no matter what the journey: Truma products mean more comfort on the move.

We hope you enjoy your voyage of discovery.

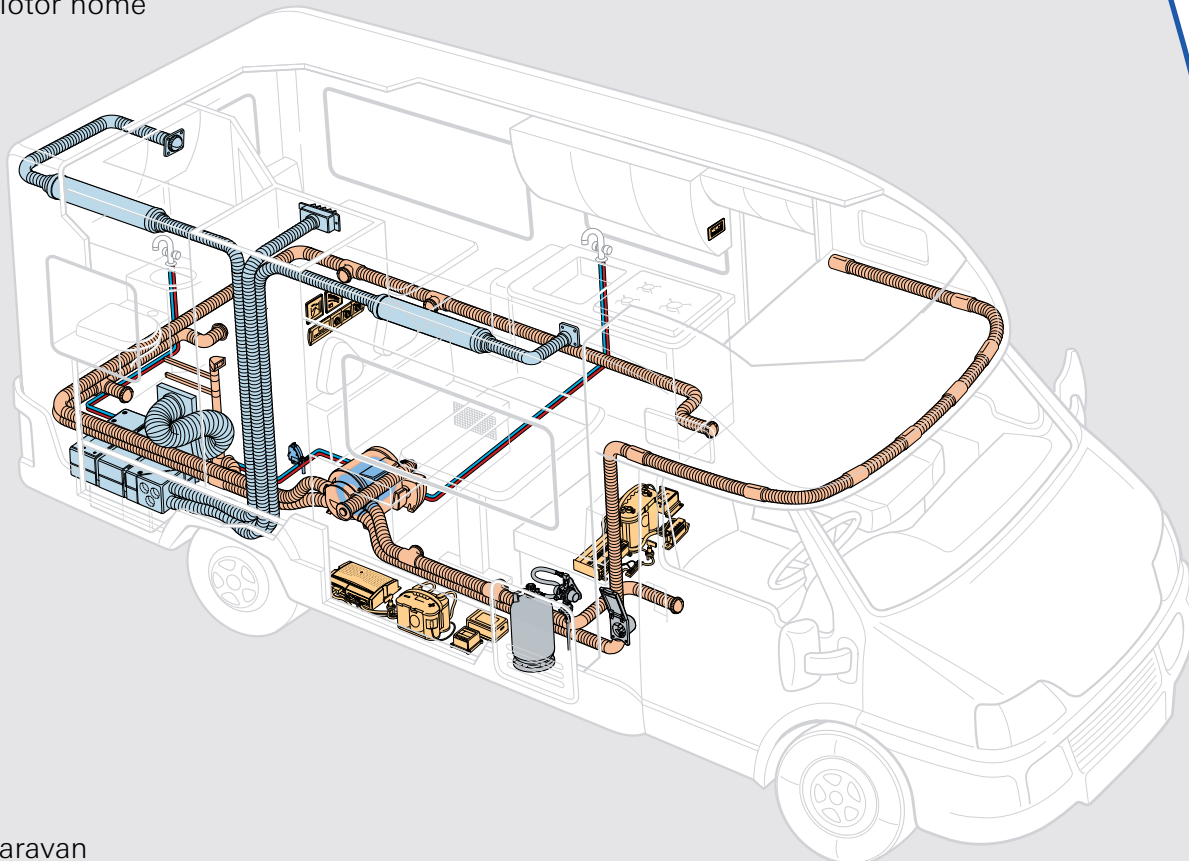




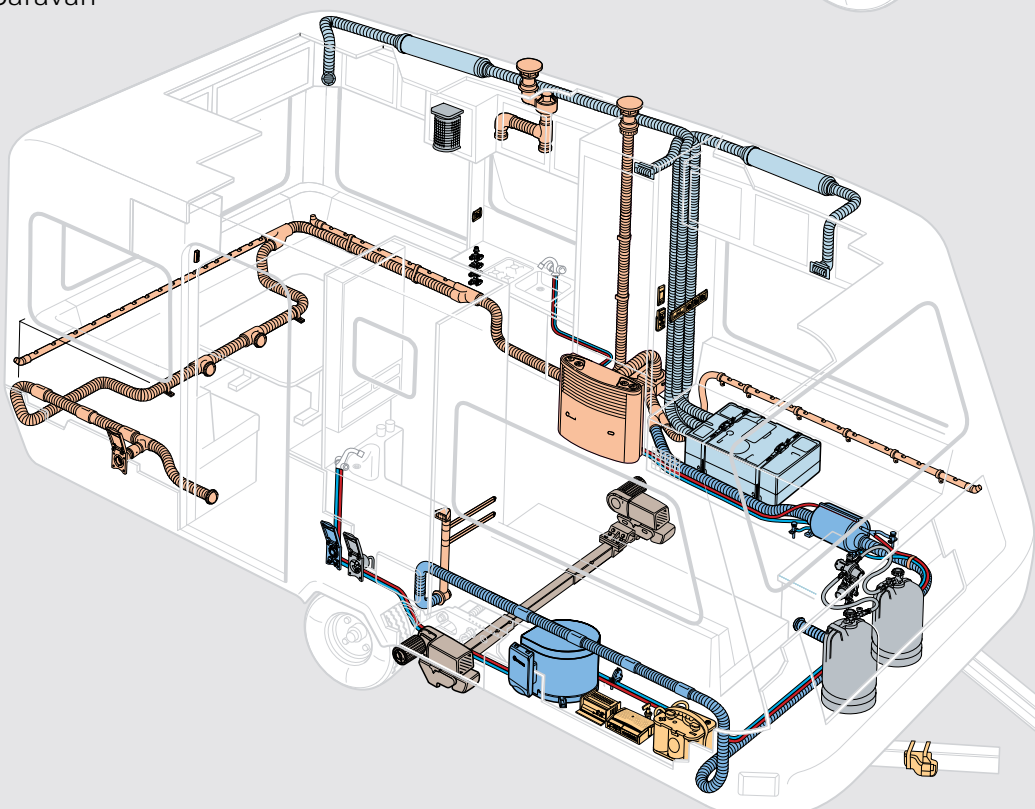
Camping in the utmost comfort

This is where Truma's strengths lie

Motor home



Caravan





MANOEUVRING SYSTEMS

Introduction	6
Mover® SE R	9
Mover® TE R	9
Mover® SR	10
Mover® PowerSet	10
Installation kits	10
Technical details and accessories	12



AIR CONDITIONING SYSTEMS

Introduction	18
Saphir compact	21
Saphir comfort	21
Saphir vario	22
Air distribution	22
Sound muffler	22
Air outlet channel	22
TG 1000 sinus power inverter	22
What you need to know	23
Technical details and accessories	24



HEATING SYSTEMS

Introduction	32
Combi 4/Combi 6	35
Combi D6	35
Trumatic S 3002/S 5002	36
Trumatic S 2200	36
Trumatic S 3002 FS	37
Flame-effect front case	37
Trumatic E 2400	38
Trumatic E 4000	38
Ultraheat	39
Truma fans	40
Airmix comfort accessories	40
Air distribution	41
Towel dryer	41
Technical details and accessories	42



GAS SUPPLY

Introduction	80
DuoControl CS vertical	82
MonoControl CS	83
DuoComfort	84
SecuMotion	84

HP gas hoses with hose rupture protection	84
Remote indicator DuoC with EisEx	85
DuoControl	86
Caravan regulator	87
HP gas hoses without hose rupture protection	87
Device pressure controller VDR 50/30	88
Gas remote switch	89
BBQ point	89
Valves and connections	89
Technical details and accessories	90



POWER SUPPLY

Introduction	105
TG 1000 sinus power inverter	107
OPTIMA® YT S battery	107
NP 3000	108
BC 630 IU with Panel BC (430, 630, 860)	108
Electrical ballast PS 50 Automatic	109
Control Panel CP V	109
Voltage booster VB 10	109
Control Panel CP W and filling level sensor	109
Technical details and accessories	110



WATER COMFORT

Introduction	130
Electroboiler	133
Therme	133
Boiler B10/B14	134
FrostControl	134
Truma AquaStar	135
Technical details and accessories	136



MISCELLANEOUS

Special accessories	144
Truma service	150

51° 40' N 116

PRECISION PARKING.

EXACTLY WHERE YOU WANT IT.





MANOEUVRING SYSTEMS

No matter where you spend your holiday, you want it to be free from stress right from the very start. But even at the most pleasant campsites you'll often find that access is difficult or nobody is around to help you tow your caravan.

Truma has developed its Mover® manoeuvring systems to save you from stress in this kind of situation. With these strong, high-performance products, you can manoeuvre your caravan safely to its destination – quickly, precisely and without help from anyone else. Even if there are obstacles in the way or the ground is uneven or sloping, you'll enjoy a steady ride thanks to this equipment's concentrated power and sensitive precision.

Truma caravan movers will help your holiday start off and end on the right note, with no stress – no matter where you are.

Mind the gap! We'll do it for you!

Manoeuvring systems from Truma. Mover® – the original

For over 10 years now we have been developing innovative manoeuvring systems for caravans. That's 10 years of utilising the vast range of experiences which have had a significant role in the further development of our original product.

And because we ourselves are camping enthusiasts who know exactly what matters, we have consistently optimised and performed extensive testing on the quality, reliability and safety of the Mover® model since its development and launch.

The latest models offer even better performance than their predecessors and so continue to provide quality of the highest order in every single detail. And that's precisely why our manoeuvring systems receive accolades time after time.



Park with millimetre precision

No matter the angle – in even the tightest of spaces



No rolling backwards or sliding

Secure hold even on gradients of up to 25%.



User-friendly remote control

Manoeuvre one-handed with minimal effort thanks to our intelligent radio remote control.



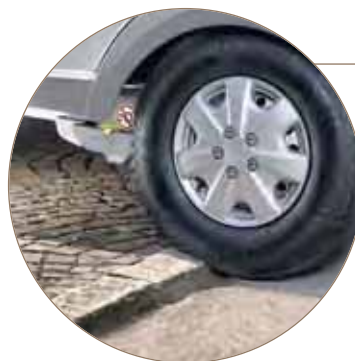
Jerk-free starting up and precise coupling

Thanks to the Durasoft drive with soft start and stop function.



Manoeuvre securely on any surface

Snow, gravel, grass or sand – the Truma Mover® can cope with any type of ground.



Conquer obstacles

The Mover® takes every kerbstone in its stride, whatever the height.

Mover® SE R

Parking with maximum comfort

High precision and no effort required whatsoever: manoeuvring is a breeze with the SE R. This top-of-the-range model even enables engagement and disengagement to be performed with ease using the radio remote control as well as with constant control thanks to the safety socket. Its technology, quality and safety features are on a par with its established predecessor model Mover® SE, which has received a multitude of awards from experts. But the top-quality SE R model goes even further, offering enhanced performance at higher speeds and now proving its ability to cope with even heavier caravans.



- **Electrical engagement/disengagement via radio remote control**
- **For caravans up to 2000 kg**
- **At 33 kg, the lightest in its class**
- **More powerful and faster thanks to the new high-performance motor**

Mover® TE R

Large caravans, little effort. The Mover® TE R for twin-axle caravans lets you manoeuvre even the biggest and longest caravans with ease. Thanks to a more powerful motor and offering exactly the same precision technology and maximum quality as its multi-award winning predecessor Mover® TE, this top-of-the-range model is the perfect partner for heavy caravans.



- **Electrical engagement/disengagement via radio remote control**
- **For caravans up to 2250 kg**
- **At 33 kg, the lightest in its class**
- **More powerful and faster thanks to the new high-performance motor**

Mover® SR

Access real quality at an affordable price. With the Mover® SR, you can manoeuvre your caravan safely and effortlessly. And it's never been a better time to upgrade. With the Mover® SR, you can access real quality at a great price. Its technology, workmanship and safety features are on a par with its established predecessor Mover® S. Thanks to small changes in the design and the construction phase, we've been able to reduce the price of the new Mover® SR. Not only that, but it's even lighter.



- **Convenient manual engagement and disengagement from one side**
- **For caravans up to 1800 kg**
- **At 34 kg, a lightweight choice in its class**
- **Manual engagement without the risk of injury**

Mover® PowerSet (Plus) with Optima® YellowTop® battery

Say goodbye to weak batteries with the perfect accessory for your Mover®. The Truma Mover® PowerSet consists of top-of-the-range products working in perfect harmony with one another. Together they ensure that your Mover® provides you with power for up to 50% longer. The OPTIMA® YellowTop® batteries 4.2 (55 Ah) and 5.5 (75 Ah) boast a service life that's up to twice as long when compared with conventional batteries, as well as performing at up to 100% of the specified capacity.

To ensure these high-quality batteries are always at optimum charge, the Automatic Charger BC 416 IU uses state-of-the-art microprocessor-controlled switching technology which is perfectly regulated by the temperature sensor supplied. The Mover® PowerSet consists of an OPTIMA® YT S 4.2 (55 Ah) battery, Automatic Charger, temperature sensor and battery cut-off switch. Also available as the Mover® PowerSet Plus with OPTIMA® YT S 5.5 (75 Ah) battery!

For more information on Automatic Chargers and batteries, please refer to the "Power supply" section.



Mover® installation kits

Perfectly put together. To accommodate the various types of frames on single-axle and twin-axle caravans, Truma offers a range of different installation kits like the example of the one shown opposite. This ensures that your Mover® manoeuvring system stays exactly where it should and is able to transfer its power to the tyres as effectively as possible.



Your safety is what matters to us

- Automatic motor safety check
- Safety socket to prevent unintentional engagement
- Soft start-up of the drive motors
- Automatic overload protection for motors
- Permanent monitoring of power transfer to tyres*
- In the case of hazardous situations: immediate stop when operating buttons are released
- Automatic stop outside remote control range

* Mover® SE R and TE R only

Innovative technology ensuring your comfort



In and out again with ease

Powerful, fast and jerk-free, the Durasoft drive steers your caravan in the right direction.



Excellent light weight construction

The ideal choice of materials makes all of Truma's Mover® models genuine light-weights in their class.



A tight grip

The low-wear aluminium rollers grip the tyres without slipping and without damaging them.



Easy to install

The standard installation process is carried out without any drilling or welding, so there's no need for approval by officially recognised experts.



The best by some distance

The compact design and the large ground clearance that comes with it ensures your caravan remains easily manoeuvrable.



A long life

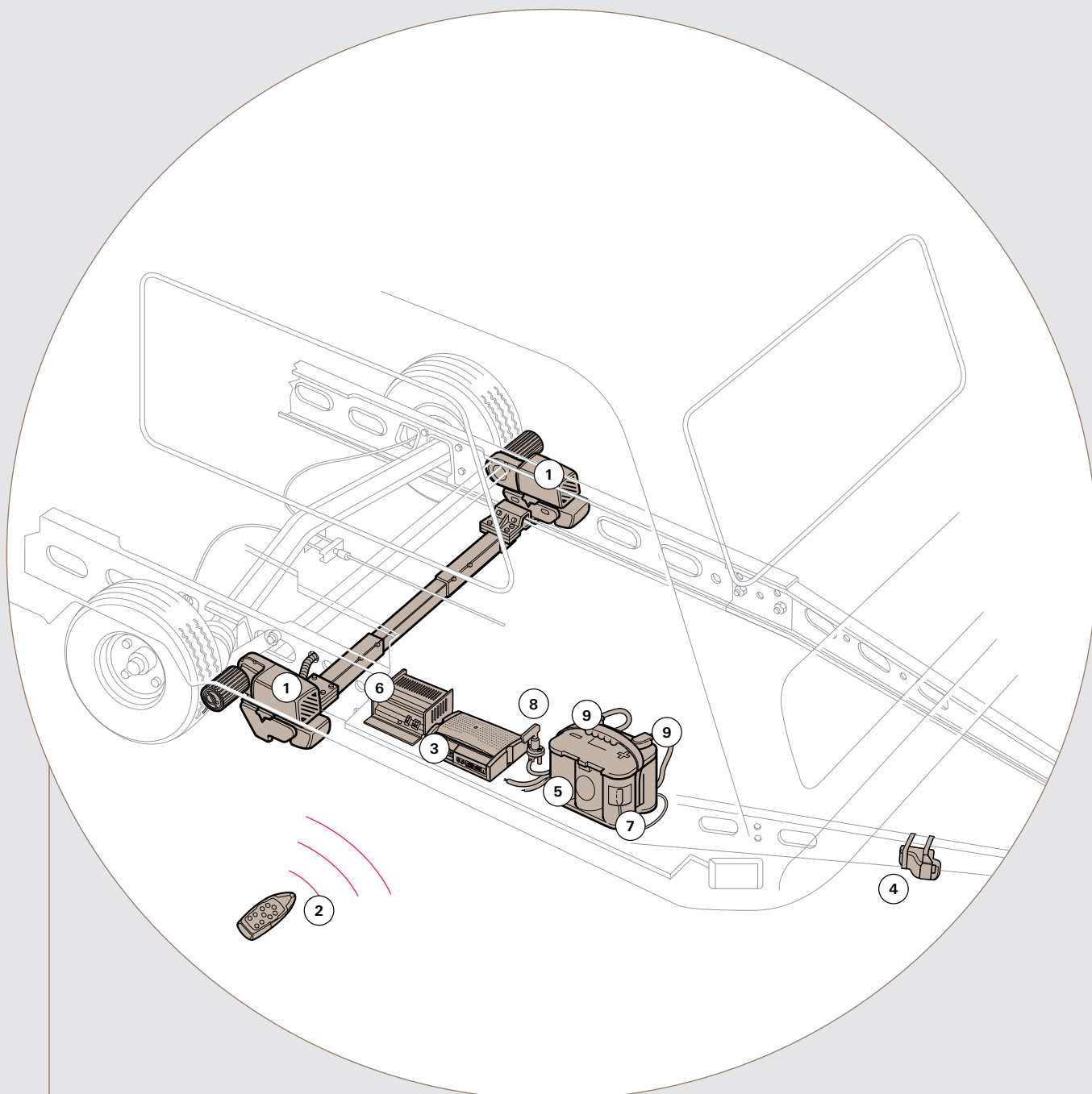
Both the motor and gearbox are protected against splash water by the housing, making them virtually maintenance-free.

Installation overview

Graphic

Here you can see a graphical example of how Truma manoeuvring systems are installed and the accessories recommended for them.

You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.





- 1. Mover® SE R
- 2. Radio remote control
- 3. Mover® control unit
- 4. Safety socket
- 5. Optima® YT S 4.2 battery (PowerSet)

- 6. Automatic Charger BC 416 IU (PowerSet)
- 7. Temperature sensor (PowerSet)
- 8. Battery cut-off switch (PowerSet)
- 9. Quickpower terminal clamps


Product overview: Mover® SE R, TE R, SR

Mover® SE R, TE R, SR with Durasoft drive and ABE (TÜV inspection not necessary)

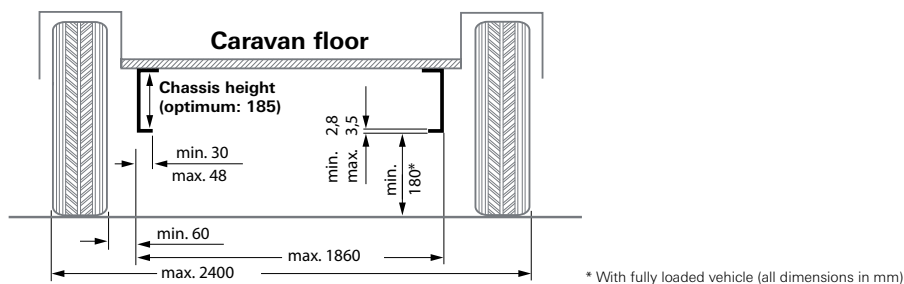
Manoeuvring system with radio remote control and **electrical engagement/disengagement** of drive assemblies

Product	Part no.	Description	
	61510-01	Mover® SE R For single-axle caravans with a total weight of up to 2000 kg	
	61610-01	Mover® TE R For twin-axle caravans with a total weight of up to 2250 kg	

Manoeuvring system with radio remote control and **manual engagement/disengagement** of drive assemblies

	61410-01	Mover® SR compl. with cross actuation device, for single-axle caravans with a total weight of up to 1800 kg	
---	----------	--	--

Technical details

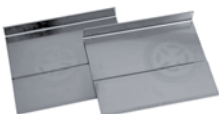

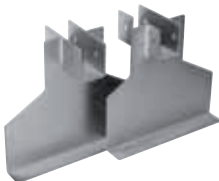




	Mover® SE R	Mover® TE R	Mover® SR
Max. hill climbing ability	15% for a caravan with a weight of 2000 kg	10% for a caravan with a weight of 2250 kg	15% for a caravan with a weight of 1800 kg
Power supply	12 V	12 V	12 V
Power consumption			
Maximum rate	150 A	150 A	120 A
Average rate	35 A	35 A	20 A
Weight	33 kg	33 kg	34** kg

** Incl. cross actuation device


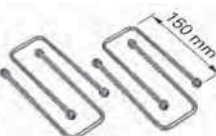

Accessories

Mover® accessories

Product	Part no.	Description	
	60010-64900	<p>Low chassis kit</p> <p>Consisting of mounting plates incl. screws and nuts, for compensating for a chassis height of less than 140 mm. If drilling is required for installation on the chassis, subsequent inspection and approval by an officially recognised expert is required (TÜV; in Germany).</p> <p>If the low chassis kit is used with the AL-KO Vario III/AV chassis, the vehicle frame must not be drilled into under any circumstances! Other applications are shown in the installation overview.</p> <p>SE(R), TE(R), S(R), EM, TM</p>	
	60010-21500	<p>AL-KO Vario II/AV installation kit</p> <p>Absolutely essential for reinforcing smaller frames (less than 2.8 mm)</p> <p>SE(R), S(R), EM</p>	
	60030-09000	<p>Eriba Touring</p> <p>Installation kit; add-on for the rectangular profile</p> <p>SE(R), S(R)</p>	
	60010-66000	<p>Spacer plate kit</p> <p>For height compensation, consisting of 2 spacer plates of 15 mm each, max. 3 spacer plate kits can be used (max. 45 mm)</p> <p>SE(R), TE(R), S(R), EM, TM</p>	
	60010-70000	<p>Screw set</p> <p>Also required for installing spacer plate kits on frames with heights of 140 to 185 mm</p> <p>SE(R), TE(R), S(R), TM</p>	

Accessories

Mover® accessories

Product	Part no.	Description	
	60010-70500	Spacer plate kit For single-axle caravans with AL-KO Vario III/AV chassis with a total weight of up to 1700 kg, consisting of 4 x 2 spacer plates of 15 mm each and 8 screws (M10 x 110 mm) for height compensation up to 60 mm. For frame thicknesses of less than 2.8 mm, the installation kit with part no. 60010-21500 is also essential . SE(R), S(R)	
	60010-00100	“U” bolt extension kit Incl. nuts and washers; also required for installing spacer plate kits for the purpose of mounting a Euro Mover® on a frame with L profile (height less than 185 mm) EM	
	60010-18500	Cross actuation device retrofit kit For Euro Mover® as of 03/2003 date of manufacture	
	60010-19000	Cross actuation device additional kit (Not illustrated.) Only required for Euro Mover® with date of manufacture up to 03/2003. Please order cross actuation device with part no. 60010-18500 along with this. EM	

SE(R) = Mover® SE and SE R
 TE(R) = Mover® TE and TE R
 S(R) = Mover® S and SR
 EM = Euro Mover®
 TM = Euro Mover® Tandem

Accessories




Power supply for manoeuvring systems – Mover® PowerSet (Plus) with OPTIMA® YT battery

The Truma Mover® PowerSet consists of a PowerSet and an OPTIMA® YT S 4.2 (55 Ah) or OPTIMA® YT S 5.5 (75 Ah) battery from global market leader **Johnson Controls**.


These high-quality components are the perfect match for Truma Mover® devices.

Mover® PowerSet: PowerSet + Optima® YT S 4.2 (55 Ah) battery

Mover® PowerSet Plus: PowerSet + Optima® YT S 5.5 (75 Ah) battery

Product	Part no.	Description	
  	47201-02*	PowerSet 1 Automatic Charger BC 416 IU 1 battery temperature sensor (2 m) 1 battery cut-off switch	
	47100-01*	OPTIMA® YT S 4.2 (55 Ah) battery	
	47100-02*	OPTIMA® YT S 5.5 (75 Ah) battery	
	<p>Note: For a Mover® PowerSet (Plus), please order the PowerSet and an OPTIMA® YT S 4.2 (5.5) battery together. Cables are not included in the scope of delivery.</p> <p>* Only available in conjunction with OPTIMA® YT S 4.2 or OPTIMA® YT S 5.5 battery</p>		

Mover® FuseSet


	C11000-07300	Mover® FuseSet The Mover® FuseSet consists of two fuse holders with appropriate fuses integrated for the measurement cable (2 A) and main charging cable (30 A).	
---	--------------	--	--

Battery cut-off switch

	60010-05000	Battery cut-off switch	
---	-------------	-------------------------------	--

Battery temperature sensors


Enable temperature-guided battery charging when used in combination with a suitable Automatic Charger.

	C11000-00700	Temperature sensor I/A/B, 2 m For battery with 2 m connecting cable and mounting accessories	
	C11000-00800	Temperature sensor I/A/B, 6 m For battery with 6 m connecting cable and mounting accessories	


Accessories

Quickpower terminal clamps


Quickpower terminal clamps ensure battery connections can be disconnected and connected quickly, easily and cleanly. Suitable for all DIN and SAE-compliant connections.

Product	Part no.	Description	
	C11000-02100	Quickpower terminal clamps	
Load capacity	150 A continuous load, 800 A short-term load		
Cable cross-section	Up to 35 mm ²		
Resistance	Approx. 0.12 mohms at 10 A		
Type	Plus terminal = red, minus terminal = blue		

Battery holder

	47000-00800	Battery holder for OPTIMA® YT battery This battery holder ensures batteries can be fixed in place quickly and easily. Suitable for OPTIMA® YT S 4.2 and OPTIMA® YT S 5.5.	
--	-------------	---	--

Nose weight gauge

	C10000-00300	Nose weight gauge Precision nose weight gauge for checking the trailer load of a caravan, boat trailer, etc.	
	Measuring range:	20 – 80 kg	
		10 kg scale	
	Dimensions in mm:	30 x 30 x 450	
	Weight:	850 g	

42° 39' N 1° 0'

OPTIMUM COOLING.

EXACTLY WHERE YOU WANT IT.





AIR CONDITIONING SYSTEMS

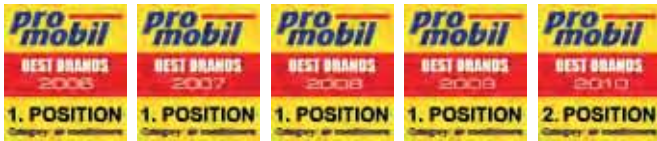
The south of France, Spain, Morocco...some places can really heat up. So it's a great feeling when the climate inside your recreational vehicle can offer you a comfortable environment to suit you. With Truma's Saphir air conditioning systems, you can adjust the cooling temperature of your vehicle exactly to your own taste. A high cooling power level combined with effective humidity reduction and ideal air distribution means your camping holiday is guaranteed to be a relaxing experience, wherever your dream destination is.

Much more than just cold air

Saphir air conditioning systems

If you want to achieve an overall feeling of well-being, you need the climate to be right for you. And by relying on Truma's proven technology, you can't go wrong.

Saphir air conditioning systems have been specifically developed for use in caravans or motor homes. They cool, dry and clean the air extremely quietly, and distribute it without creating draughts throughout your living space. Thanks to the closed refrigeration circuit, these powerful air conditioning units are virtually maintenance-free. Extremely light, their compact design means they will fit into any storage compartment. This space-saving installation concept produces a particularly low centre of gravity, which improves the handling of your motor home or caravan – this sophisticated technology which ensures more comfort on the move has won multiple awards:



Almost infinitely adjustable air distribution



Particularly light to help reduce payload



Pleasingly quiet noise level



Economical power consumption – can be used at any campsite in Europe



Fitted with a pollen filter as standard



Multiple awards received from specialist press



Saphir compact

Small, light, economical

The lighter the better. At just 20 kg, the Saphir compact is astonishingly light. Thanks to its low power consumption, it's suitable for use at any of Europe's campsites.



- **Astonishingly light**
- **Sleep function ensures extremely quiet operation**
- **Very low power consumption**
- **Cools even whilst the vehicle is on the move***
- **For vehicles up to approx. 5.5 m in length**

*With TG 1000 sinus power inverter

Saphir comfort

Light, quiet and powerful. Thanks to its high power level, the Saphir comfort cools every inch of your recreational vehicle – even those measuring up to 6.5 m in length. At just 24 kg, it sets new standards in its class.

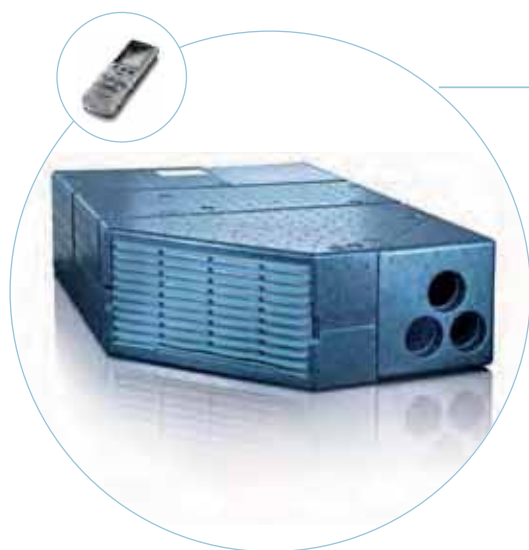


- **Extremely powerful cooling**
- **The lightest in its class**
- **Practical timer function for automatic switching on or off**
- **For vehicles up to approx. 6.5 m***

* With vehicles measuring 6.5 m in length and up, we recommend installing 2 Saphir air conditioning systems.

Saphir vario

Intelligent automatic air conditioning. The world's only air conditioning system that can be installed in the false floor of a large number of motor homes, thanks to an installation height of just 20 cm. Three variable power settings each with two different fan settings ensure maximum comfort.



- **Three variable power settings available**
- **Can be installed in false floors**
- **Maximum comfort at just 27 kg**
- **Cools even whilst the vehicle is on the move and independently when stationary***
- **Automatic voltage detection for achieving a comfortable cooling level with ease***

*With TG 1000 sinus power inverter

Air distribution

Optimised right down to the last detail. With this perfectly harmonised modular system you can regulate the air volume and adjust the direction of air flow – for perfect circulation and a comfortable climate that's tailored precisely to your needs.



Sound muffler

As quiet as you want it. Just one sound muffler reduces air flow noise in interior areas by 50%. Two sound mufflers bump this up to 90% – these are extremely easy to integrate into the cold air flow.



Air outlet channel

Even quieter outside. The air outlet channel at the supply air outlet underneath the vehicle reduces exterior noise.



TG 1000 sinus power inverter

Stay independent. The TG 1000 sinus power inverter enables entirely independent cooling, using a battery when the vehicle is stationary (Saphir vario) and using the alternator whilst on the move (Saphir vario and Saphir compact). For more information, please refer to the "Power supply" section.



Comfort exactly how you choose it

What to bear in mind

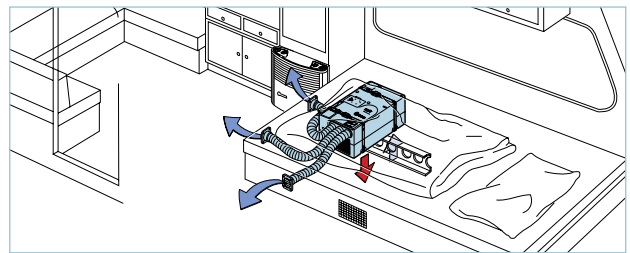
When choosing the right air conditioning unit, it's important to remember that the larger the space, the warmer and more humid the climate, and the less time your vehicle spends in the shade, the more cooling power you'll need. With the variety of powerful models on offer in the Saphir series, you're bound to find precisely the right unit to suit your needs.

To ensure even cooling throughout your vehicle, the general rule to work with is that the Saphir compact is the ideal unit for vehicles of up to around 5.5 m in length, whilst the Saphir comfort is recommended for longer vehicles. With vehicles of around 6.5 m and up, we advise using two Saphir air conditioning systems. For installation in the false floors of motor homes, the Saphir vario is the one to choose. Several factors will determine which Saphir air conditioning system is right for your needs. The "Which Saphir is the right one?" checklist on our homepage is designed to help you make your choice.

And to ensure that the cool air in your vehicle always reaches exactly where you want that pleasant, fresh sensation, Truma offers a variety of installation variants for air distribution that's tailored to your requirements. The possibilities are virtually endless.

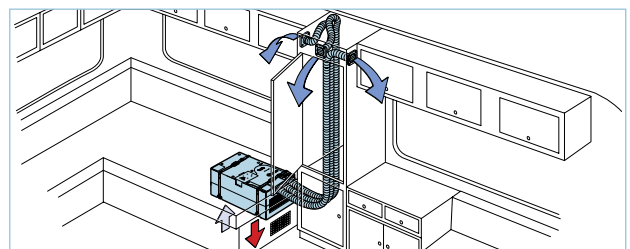
Eco solution

Installed easily, quickly and at low cost. If the air outlets remain on the floor, installation is particularly easy.



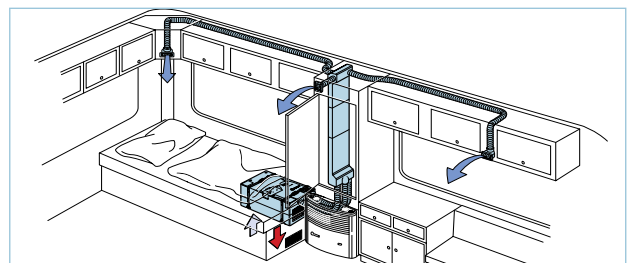
Comfort solution

Functional and convenient. The cold air is guided upwards via ducts (e.g. in a wardrobe) and distributed evenly throughout the interior area without creating any draughts.



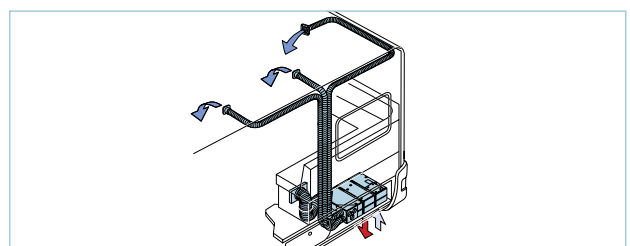
Luxury solution

Maximum living and sleeping comfort. The expandable cold air system enables you to distribute the air exactly where you need it in your vehicle.



Vario solution

Uses false floors. The Saphir vario can be integrated into a large number of false floors.

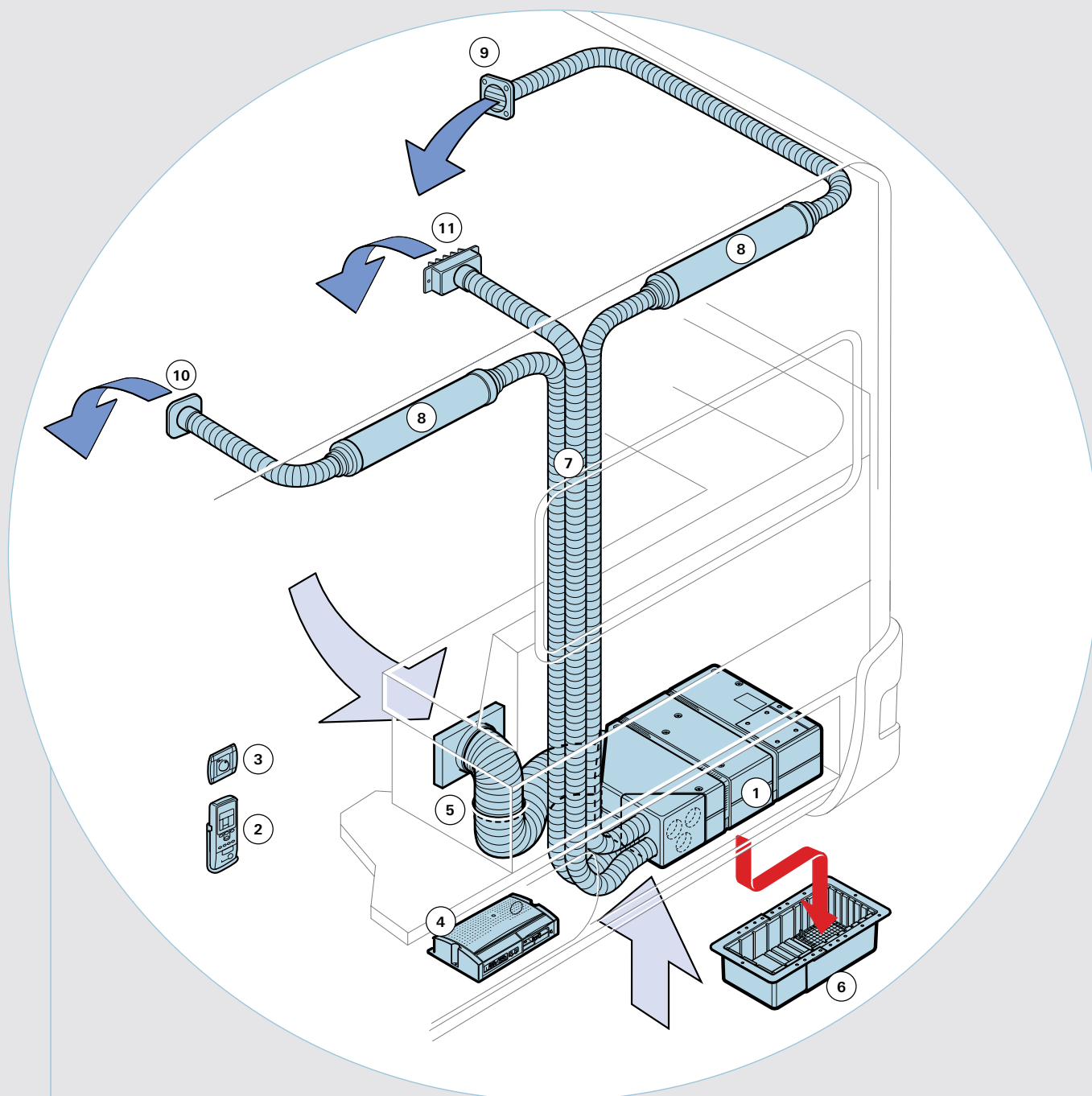


Installation overview

Graphic

Here you can see a graphical example of how Truma air conditioning systems are installed and the accessories recommended for them.

You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.




- 1. Saphir vario
- 2. Remote control
- 3. IR receiver
- 4. TG 1000 sinus power inverter
- 5. Flexible air conditioning intake
- 6. Air outlet channel

- 7. Cold air duct KR 65
- 8. Sound muffler
- 9. Swivelling air outlet SCW
- 10. End outlet nut EM/end outlet EN
- 11. Connector piece ANH/rectangular air outlet RL

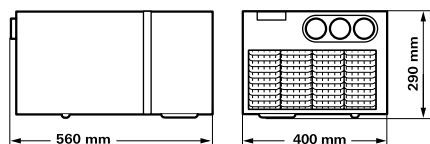
Product overview: Saphir

Air conditioning units with infrared remote control for caravans and motor homes. A range of suggestions for installation can be found on page 23.

Saphir compact


Product	Part no.	Description	
 CE	44080-02	Saphir compact Suitable for vehicles up to approx. 5.5 m long. Cooling is also possible whilst on the move with the TG 1000 sinus power inverter (not included in scope of delivery, see page 30).	

Technical details

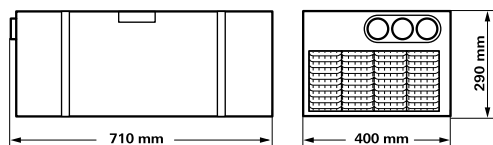


Cooling power	1800 W
Power supply	230 V – 240 V, 50 Hz 12 V with TG 1000 sinus
Power consumption (230 V)	2.8 A
Power consumption (12 V)	55 A
Start-up current (230 V)	15 A (150 ms)
Weight	20 kg

Saphir comfort

 CE	44032-02	Saphir comfort Suitable for vehicles up to approx. 6.5 m long.	
---	----------	--	--



Technical details



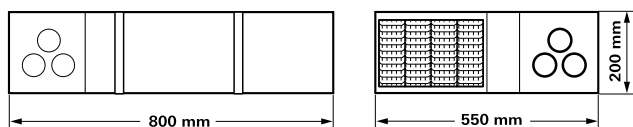
Cooling power	2400 W
Power supply	230 V – 240 V, 50 Hz
Power consumption (230 V)	4.2 A
Start-up current (230 V)	20 A (150 ms)
Weight	24 kg

Product overview: Saphir

Saphir vario

Product	Part no.	Description	
 	44060-01	Saphir vario For operation at three variable power settings. When used together with the TG 1000 sinus power inverter (not included in scope of delivery), cooling whilst on the move or independent cooling are possible. The intelligent automatic air conditioning system detects the voltage source that is present. Ideal for installation in false floors due to its low installation height.	





Technical details



Power settings	1	2	3
Cooling power	600 W	1500 W	2000 W
Power consumption (230 V)	1.7 A	3 A	4.4 A
Power consumption (12 V)	35 A	62.5 A	–
Power supply	230 V – 240 V, 50 Hz; 12 V with TG 1000 sinus		
Start-up current (230 V)	20 A (150 ms)		
Weight	27 kg		

Accessories

Accessories for air conditioning systems

	40040-34800	Extension cable 3 m, for Saphir comfort IR receiver	
	40090-89100	Extension cable 3 m, for Saphir compact and Saphir vario IR receiver	
	40040-29200	Circulation air intake grill , rectangular, air stream cross-section 500 cm ²	
	40040-20400	Circulation air intake grill , round, air stream cross-section 135 cm ² , 3 pieces required	

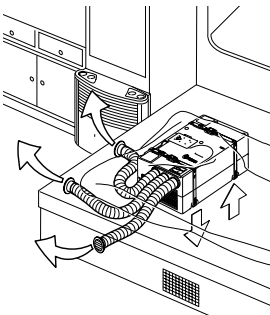


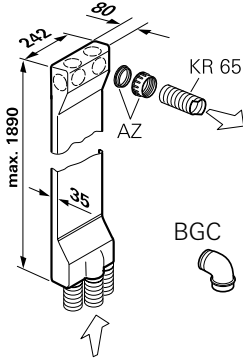




Accessories

Accessories for air conditioning systems

Product	Part no.	Description	
	40090-59100	Flexible air conditioning intake , compl. Only required if the installation conditions mean a direct air conditioning intake is not possible. Suitable for all Saphir air conditioning systems, hose length 2 m.	
	40090-57100	Flexible air conditioning intake , compl. Only required if the installation conditions mean a direct air conditioning intake is not possible. Suitable for all Saphir air conditioning systems, hose length 3 m.	
	40040-60100	Sound muffler For installation in cold air system for additional noise reduction in the living area	
	40040-32500	Air outlet channel For additional noise minimisation outside the vehicle	
	40090-64600	Fluff filter Saphir, blue	
	40040-13800	Fluff filter Frostair 1700, 1500, Suitable for all Saphir air conditioning systems	
	40040-28100	Fluff filter Frostair 2300	
	40090-58100	Particle filter Saphir, Suitable for all Saphir air conditioning systems	
	40040-23100	Particle filter Frostair 1700	
	40040-27000	Particle filter Frostair 2300	
	40040-23600	Particle filter retrofit set , Frostair 1700, compl. with mounting frame	

Accessories

Accessories for cold air distribution

Product	Part no.	Description	
	40090-44100	Saphir EasySet for eco solution Accessories for quick and easy installation of cold air distribution system for Saphir compact and Saphir comfort, consisting of: 3 m cold air duct KR 65, Ø 65 mm 3 end outlet nuts EM 3 end outlets EN-O 3 lamella insets LA, beige	
	40200-01	Cold air duct KR 65 Ø 65 mm (per metre)	
	40241-01	Clip ÜS , agate grey, Ø 65 mm, for fixing cold air ducts to the wall, for example	
	40040-32200	Cold air channel Without connector muff AZ	
	40040-24100	Connector muff AZ For connecting the cold air duct KR 65 to the Truma cold air channel	
	34091-01	Elbow BGC For connecting the cold air duct KR 65 to the connector muff AZ	
	40151-02	T-pipe LT , agate grey For Ø 65 or 72 mm ducts	
	40181-01	End outlet nut EM , agate grey	
	40171-01	End outlet EN , agate grey, with air throttle, suitable for T-pipe LT, end outlet nut EM and Ø 65 mm ducts (for other colours, see page 75)	
	40171-07	End outlet EN-O , agate grey Without air throttle, for lamella inset LA (for other colours, see page 76)	


Accessories

Accessories for cold air distribution

Product	Part no.	Description	
	40721-01	Lamella inset LA , agate grey For attaching to end outlet EN-O, direction of air flow can be adjusted by turning (for other colours, see page 75)	
	Swivelling air outlet SCW 2 Non-closable air outlet for connection to cold air duct KR 65		
	39971-01	Swivelling air outlet SCW 2 black	
	39971-02	Swivelling air outlet SCW 2 beige	
	39971-03	Swivelling air outlet SCW 2 basalt grey	
	40290-02	Connector piece ANH , black, Required for connecting the cold air duct KR 65 to the rectangular air outlet	
	40280-01	Rectangular air outlet RL , black	
	40151-01	T-pipe TS , agate grey	
	40191-01	Y-pipe , agate grey	
	39010-76400	Elbow BG , black	
	40730-01	Insulating elbow BGI , black, Insulated elbow for guiding air underneath the floor and back again via two ducts fitted one on top of the other (2 pieces required) – Inner duct for conduit KR 65 (see page 28) – Outer duct for conduit ZR 80 (see page 47)	

Accessories

TG 1000 sinus power inverter

Product	Part no.	Description	
 CE	40090-81000	TG 1000 sinus power inverter For operating air conditioning systems whilst on the move (Saphir compact, Saphir vario) and when stationary (Saphir vario), or for independent use of 230 V devices up to a maximum power consumption of 1000 W. (Connecting cable not included in scope of delivery.) Please order the necessary cable sets along with this.	
Input voltage	10.5 V to 14.8 V DC voltage (supply battery)		
Output	1000 W at 45°C ambient temperature (continuous operation)		
Output voltage	230 V ±5% AC voltage (sine-wave)		
Weight	Approx. 2.0 kg		
Dimensions in mm	L 300 x W 160 x H 72		
Cable sets			
	40090-23100	Electrical Kit For integrating the TG 1000 sinus into the on-board electrical power supply	
	60010-54500	Cable protection Ø 25 mm, Fixed length 2 m	
	40090-25900	Air Conditioning Kit Turns the Saphir vario or Saphir compact into an intelligent air conditioning system. The TG 1000 sinus automatically detects whether the air conditioning system is being operated from the socket, via the alternator (Saphir vario) or from the battery.	
	40090-26200	Autarky Kit For independent use of 230 V devices up to a maximum power consumption of 1000 W	
	40090-26800	Switch Box Kit For switching between air conditioning mode and independent mode	



62° 41' N 9° 3'

PLEASANT HEAT.

EXACTLY WHERE YOU WANT IT.





HEATING SYSTEMS

Whether it's in chilly Northern Europe, on a winter camping or skiing holiday or during frosty evenings – colder regions and seasons pose great challenges for both man and materials.

In response to the fact that more and more people were choosing to enjoy a caravanning holiday even during the winter months, Truma started to develop mobile heating systems over 50 years ago – and they've continued to improve on them ever since.

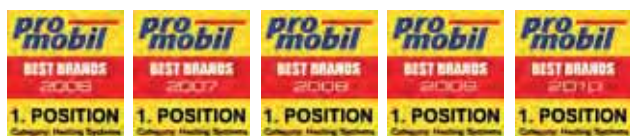
Every Truma heater allows you to benefit from the expertise of the technology leader. For example, you will be guaranteed unsurpassed efficiency: Truma heating systems boast an efficiency level of up to 97%!

So you will be sure to have a warm glow of satisfaction.

The right solution for everyone!

Convenient heating systems from Truma

With over 60 years of experience in the field of heating systems for recreational vehicles, Truma only ever asks one question: what would you like? Are you looking for a pure gas heater, a combination of gas and electric heaters or maybe a diesel heater for a caravan or motor home of any size? At Truma you will always find the most innovative heating solutions to meet your individual needs. And if you want to be able to heat up water too, our high-quality products will make sure you're made nice and warm, nice and fast!



**Extremely short
heating times**



**Energy-efficient
heating technology**



**For gas, diesel and
electrical operation**



**For heating air and
water**



Very reliable



Maintenance-free

Truma Combi heaters

Heating and hot water in one

The Combi family hallmark is its incredible flexibility. You can have heat without water, or get warm water without having the heating on. All types of power can be used – each with a maximum level of efficiency that is good for the onboard battery and for your pocket! And Combi products also come with the following technical features, all designed for your comfort:

- Constant comfortable temperature
- Optimum distribution of warm air through four warm air outlets
- Short water heating time, but no need to cut your shower short – enjoy!
- Durable stainless steel water tank
- The most lightweight and compact combi heater available
- Comes with FrostControl, the current-free safety/drain valve featuring frost monitoring, as standard
- Interior installation provides protection against environmental influences such as rock fall, dirt or frost



Combi 4 (E), Combi 6 (E)

The proven gas heater continues to set new standards:

- **Efficiency of approx. 97%**
- **Available in four versions**
- **Combined gas/electrical operation possible**
- **Straightforward connection to the existing gas system**
- **Unrivalled low power consumption**
- **Environmentally friendly and maintenance-free**



Combi D 6

The efficient diesel version with burner technology from J. Eberspächer:

- **Efficiency of approx. 90%**
- **Most efficient diesel combi heater**
- **Almost the same dimensions as the gas version**

Trumatic S 3002 / S 5002

Perfect for the caravan. The Trumatic S can already be found in almost every caravan as standard. However, it's easy to retrofit too. Choose from the Trumatic S 3002 with 3400 W for medium-sized caravans and the Trumatic S 5002 with 5500 W for large caravans and mobile homes:



- Current-free operation possible without a fan
- Warm air distributed via the comprehensive Truma warm air system
- Economical gas consumption thanks to high efficiency
- S 5002 also available in a natural gas version

Trumatic S 2200

Cosiness in a compact space. With 1850 watts of power, the Trumatic S 2200 is the ideal solution for heating a small caravan quickly:



- Attractive price
- Compact dimensions
- Flexible installation



Flame-effect front case

Bringing romance to your caravan. It doesn't get any cosier than this: now you can sit by the fireside even when you're on the move – and listen to the comforting crackle of a log fire. It's so easy to enjoy this special atmosphere, because the exclusive flame-effect front case is really quick and simple to retrofit. Upgrade your heater today:



- Looks deceptively like a real open fire
- Complete with the sound of crackling logs
- Easy to retrofit
- Operates independently of the gas heater
- For the S 5002 only

Trumatic S 3002 FS

Safe heat under the awning. Now you can get really cosy under your awning too. The closed combustion circuit of the Trumatic S 3002 FS is ideal for providing heat quickly and safely:



- Easy to set up thanks to pre-assembled installation box
- Fast heating of the awning area
- Closed combustion circuit
- Combustion air drawn in via the side wall
- Exhaust duct through the roof



Trumatic E 4000

A whole lot of heat. With a huge heat output of 3700 W, the Trumatic E 4000 ensures that large motor homes stay lovely and warm. An electronic control system makes it easy and straightforward to operate via the control panel:



- Maintenance-free operation
- Low power consumption
- Various possible installation positions
- Electronic control system
- Extremely powerful

Trumatic E 2400

Compact and flexible. 2400 W of heat output with low space requirements, installation in practically any position, fully automatic operating procedure thanks to an electronic control system: the Trumatic E 2400 is not only the ideal safe and reliable heater for small motor homes, it also makes an excellent additional heater for alcoves or the vehicle cab in large motor homes:



- Maintenance-free operation
- Low power consumption
- Various possible installation positions
- Also makes an ideal additional heater
- Electronic control system
- Also available in a natural gas version



Ultraheat

The additional electric heater. Even when it's really cold outside, Ultraheat makes sure that the inside warms up nice and quickly. As an add-on to Trumatic S, it uses the latter's fan to distribute warm air through the caravan – a much more effective solution than a simple fan heater:



- Heats up incredibly fast, whatever the weather
- Three power settings for a level of heat that's just right for you



Comfort is in the air

If you are going to feel comfortable in your caravan even when it's freezing outside, it is crucial that warm air is distributed evenly throughout the interior. This is the only way of taking caravans and motor homes to the next level in terms of comfort. That's why we have created the clever Truma modular air distribution system, which is setting the standard as regards flexibility and efficiency

Truma fans

In order to achieve the perfect level of heat, we have developed two different fans. Trumavent works with 12 V or 230 V and ensures that warm air is evenly distributed. The two-stage 12 V **Multivent** universal fan is the ideal add-on for the Trumatic S 2200 heater. But both offer the same user-friendly benefits:

- High air output
- Simple installation
- Versatile

Trumavent



Multivent



Airmix comfort accessories

Combines heat and air. Airmix is the ideal add-on for your Trumavent fan if you want to achieve a pleasant climate within your caravan. During the summer it works like a ventilator, drawing in fresh, cool air from underneath the caravan, whilst in winter it adds fresh air to the heater air:

- Improves the climate in your caravan
- Ventilation and fresh air in summer
- Ideal for adding fresh air during winter too





Air distribution

Optimised right down to the last detail. With this perfectly harmonised modular system you can regulate the air volume and adjust the direction of air flow – for perfect circulation and a comfortable climate that's perfectly tailored to you:

- Quiet air circulation
- Warm air targeted to thermal bridges (e.g. windows or vehicle cab)
- Volume of air can be regulated
- Direction of air flow can be adjusted

Air technology accessories



Towel dryer

5-star comfort in your bathroom. Whether you want to dry your towels or warm up your ski boots: the Truma towel dryer will do it really quickly and reliably. This is because warm air from the Truma heating system flows evenly through the entire length of the rails, each of which can be swivelled in and out and can hold up to 4 kg in weight. The towel dryer rails can be shortened to meet your individual installation requirements. With compact dimensions of 760 x 420 x 80 mm (L x W x H) and a low weight of just 0.7 kg, this towel dryer is the perfect add-on for even more holiday comfort:

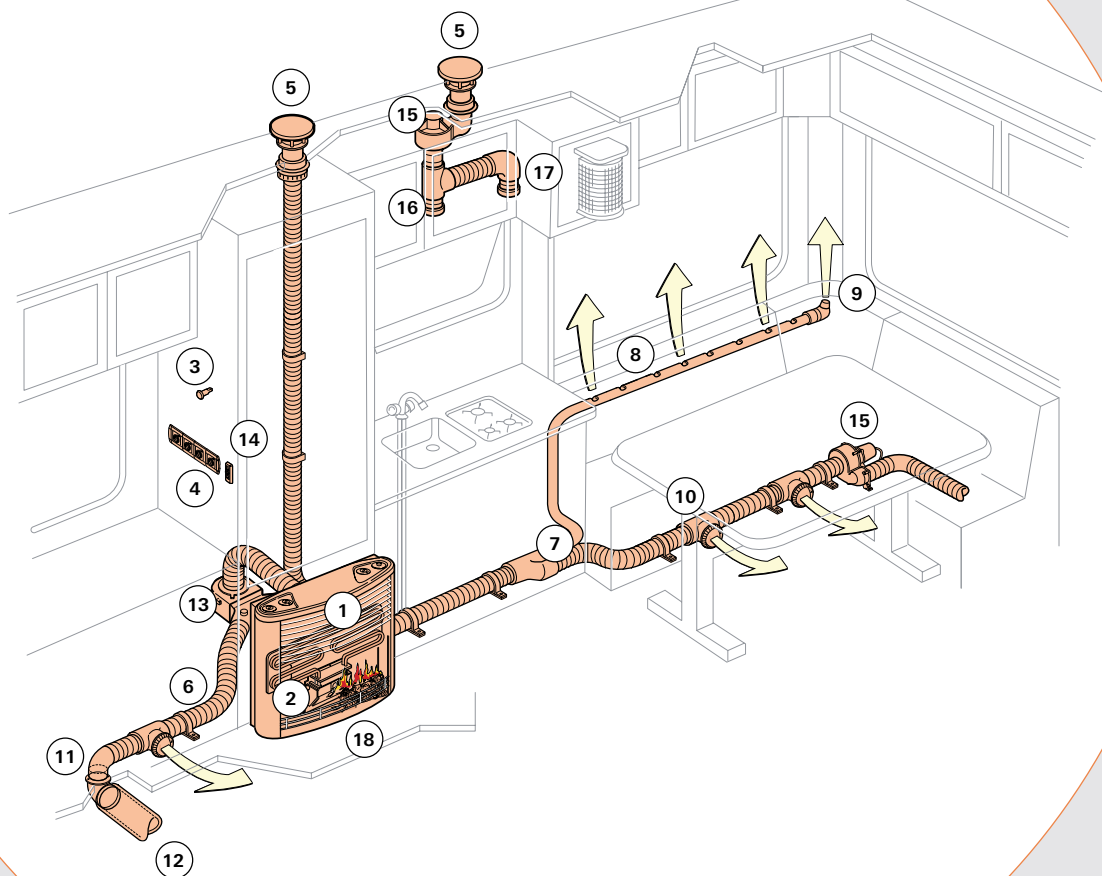
- Extremely versatile
- High-quality design
- Simple installation



Installation overview

Graphic

Here you can see a graphical example of how Truma heating systems are installed and the accessories recommended for them.

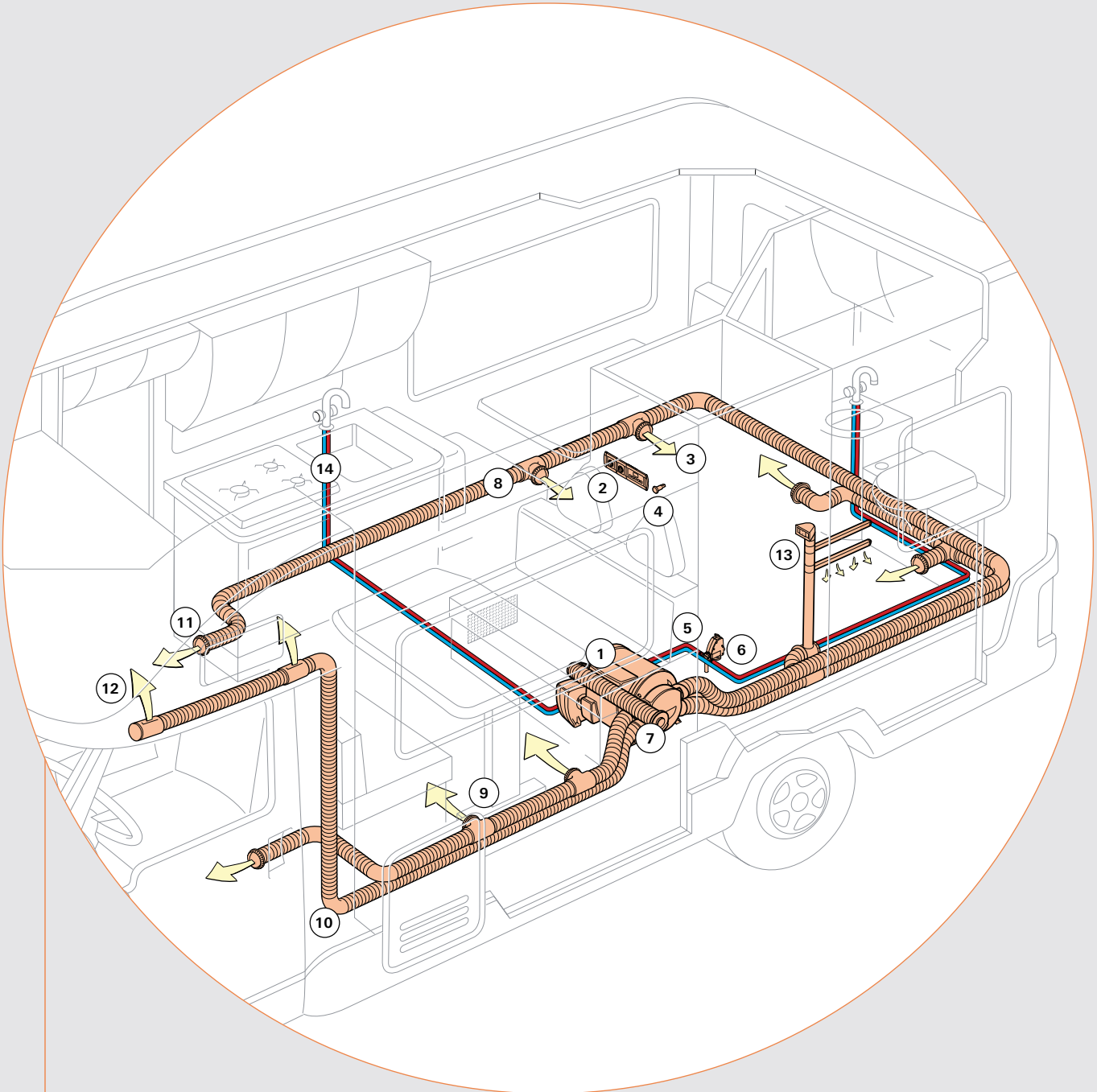


- | | |
|--|---|
| 1. Trumatic S | 10. T-pipe LT/end outlet EN |
| 2. Ultraheat additional electric heater | 11. Insulating elbow BGI |
| 3. FFC 2 room temperature sensor for Ultraheat | 12. Insulated duct DRI |
| 4. Control panels | 13. Comfort kit AXK-2 |
| 5. Roof cowl AK 3 | 14. Control panel for comfort kit AXK-2 |
| 6. Warm air duct ÜR 65 | 15. Multivent fan TBM |
| 7. Branch AB35 | 16. T-pipe LT |
| 8. Isotherm duct IR | 17. Elbow BG |
| 9. Corner air outlet EC | 18. Flame-effect front case for Trumatic S 5002 |

Installation overview

Graphic

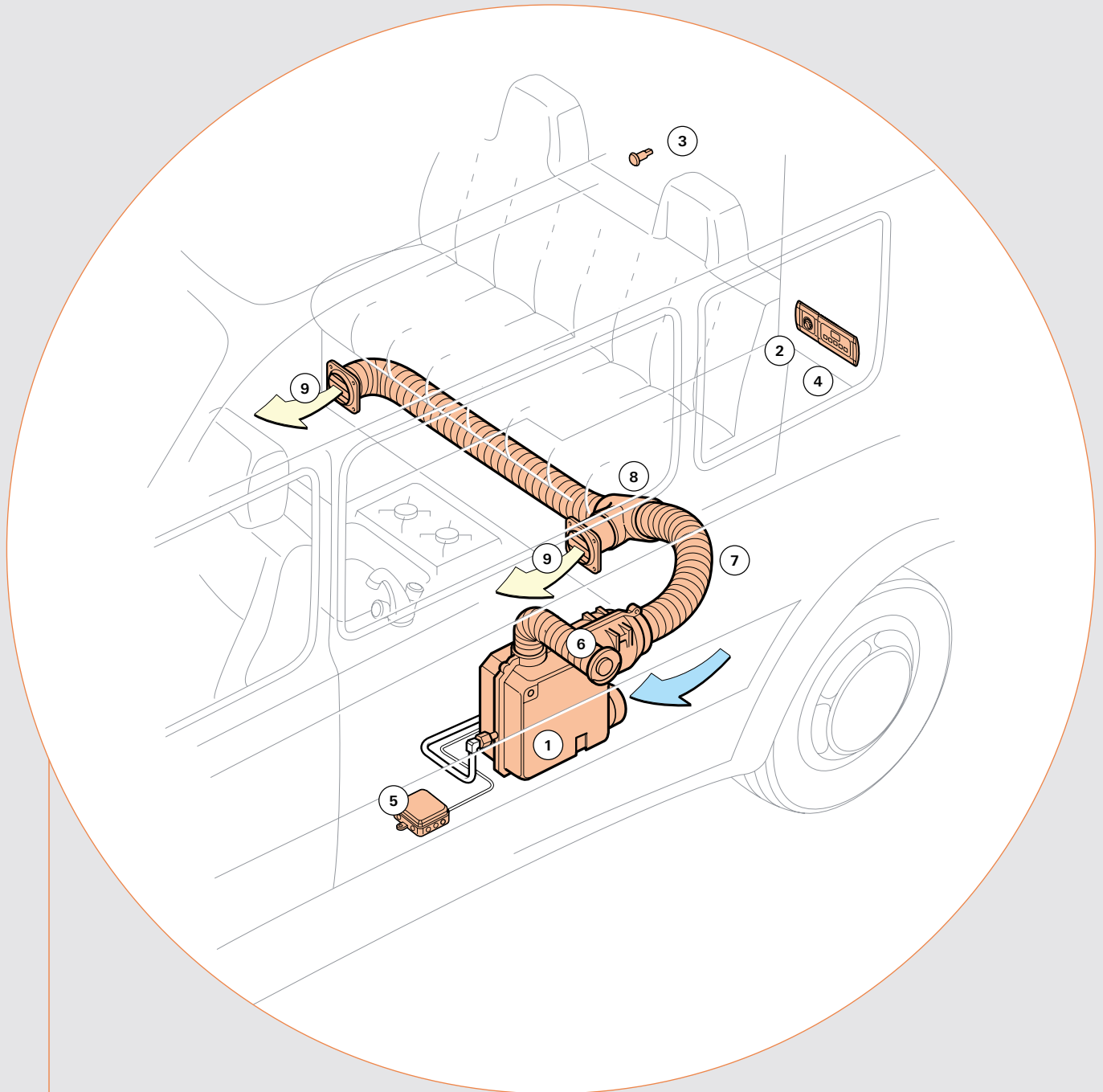
You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.



- | | |
|---------------------------------|---|
| 1. Combi | 8. Warm air duct ÜR 65 |
| 2. Control panels | 9. T-pipe LT/end outlet EN |
| 3. Room temperature sensor | 10. Elbow BG |
| 4. Time switch ZUCB | 11. End outlet nut EM/end outlet EN |
| 5. FrostControl | 12. Wall outlet vent WL |
| 6. FrostControl heating element | 13. Towel dryer |
| 7. Wall cowl | 14. Water hose, drinking water compatible |

Installation overview

Graphic






- 1. Trumatic E
- 2. Control panel
- 3. Remote sensor FF 2
- 4. Time switch ZUE 2
- 5. Multiple plug adapter MSD

- 6. Wall cowl
- 7. Warm air duct VR 80
- 8. Y-pipe 80
- 9. Swivelling air outlet SCW

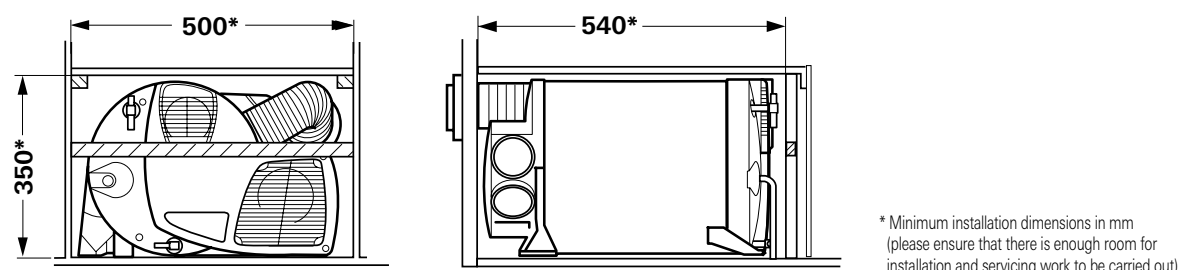
Product overview: Combi and Combi E

Combi 4 (E), Combi 6 (E), LP gas and electric heater with water boiler

Heater (excluding exhaust duct) complete with room thermostat, control panel with 3 m cable, mounting parts, current-free FrostControl safety/drain valve and elbow fittings for 10 mm Ø water hoses. Models with water connections for semi-rigid piping (John Guest System) available on request.

Product	Part no.	Description	
  	33700-01	Combi 4 , 30 mbar, 12 V,	
	33710-01	Combi 4 E , 30 mbar, 12 V, with electric heater 230 V, 1800 W	
	33800-01	Combi 6 , 30 mbar, 12 V	
	33810-01	Combi 6 E , 30 mbar, 12 V, with electric heater 230 V, 1800 W	

Technical details




Time to heat water up from approx. 15°C to approx. 60°C	Approx. 20 min. (boiler), approx. 80 min. (heater + boiler), approx. 45 min. (electrical operation)	
Air flow rate	Max. 287 m³/h	
Power consumption (12 V) (heater + boiler) (heating up boiler)	Combi 4 Ø 1.1 A (0.2 – 5.6 A), Combi 6 Ø 1.3 A (0.2 – 5.6 A) 0.4 A	
Power consumption (230 V)	900 W	3.9 A
	1800 W	7.8 A
Rest current	0.001 A	
Water capacity	10 litres	
Water pressure	Max. 2.8 bar	

Weight without water	Combi	Combi E
Without peripherals	14.0 kg	15.1 kg
With peripherals	14.5 kg	15.6 kg
Product ID number	CE-0085BS0085	





	Combi 4		Combi 6		
Burner stage	1	2	1	2	3
Rated thermal output	2000 W	4000 W	2000 W	4000 W	6000 W
Gas consumption	160 g/h	320 g/h	160 g/h	320 g/h	480 g/h

Accessories


Accessories for Combi and Combi E

Product	Part no.	Description	
		Extension cable for Combi and Combi E control panel	
	34301-01	Extension cable, 6 m	
	34301-02	Extension cable, 3 m	

Accessories for Combi and Combi E



Product	Part no.	Description	
	34043-01	Time switch ZUCB complete with 3 m cable	
	34301-03	Extension cable, 6 m for time switch ZUCB (not illustrated)	
	70070-01	FrostControl heating element with 1.5 m cable, for faster filling of the boiler, independent of the room temperature	
	34091-01	Elbow BGC for direct connection to the warm air outlet (outlet for ducts of 65 or 72 mm Ø)	
	34310-01	Blanking plug VD-Combi for closing a warm air outlet on the Combi 4 (E)	

Cowl kits and single cowl parts, accessories for Trumatic C (EH)





		Wall cowl kit CW complete with 1 m exhaust duct, 1 m air supply duct and clips (without cover)	
	34110-01	Wall cowl kit CW, cream	
	34110-02	Wall cowl kit CW, bianco	
	34110-09	Wall cowl kit CW, black	
	34110-10	Wall cowl kit CW, anthracite	

Accessories

Cowl kits and single cowl parts, accessories for Trumatic C (EH)



Product	Part no.	Description	
	Wall cowl WKC complete (without cover or ducts)		
	34011-01	Wall cowl WKC , cream	
	34011-05	Wall cowl WKC , bianco	
	34011-09	Wall cowl WKC , black	
	34011-10	Wall cowl WKC , anthracite	
	34080-01	Cowl lead-through SDDF for caravan protective double roofs	

Cowl kits and single cowl parts, accessories for Trumatic C (EH)

	34122-01	Roof cowl kit CD complete with 3 m exhaust duct, 3 m air supply duct and clips	
	34051-01	Roof cowl DKC 2 complete (without ducts)	
	39320-00	Exhaust duct AA 3 , Ø 55 mm (per metre)	
	39580-00	Air supply duct ZR 80 , Ø 80 mm (per metre)	
	39590-00	Clip ZRS , Ø 80 mm	
	34070-01	Cowl extension KVC , 30 cm	
	34080-01	Cowl lead-through SDDF for caravan protective double roofs	
	34141-01	Heating collar retrofit kit , 230 V, for hot water with Trumatic C	

Accessories

Cowl kits and single cowl parts, accessories for Trumatic C (EH)


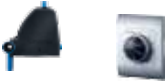

Product	Part no.	Description	
	34010-02100	Extension cable , 5 m for power selector switch C EH (not illustrated)	
	34300-01	Extension cable , 5 m for Trumatic C control panel (not illustrated)	
	34042-01	Time switch ZUC 2 complete with 3 m cable	
	34000-37000	Extension cable , 5 m for time switch ZUC 2 (not illustrated)	
	34170-01	Remote control for the electrical safety/drain valve from date of manufacture 06/97 complete with 3 m connecting cable	
	34000-86000	Extension cable , 5 m for the remote control (not illustrated)	
	34091-01	Elbow BGC for direct connection to the warm air outlet (outlet for ducts of 65 or 72 mm Ø)	
	40353-01	Blanking plug VD , agate grey for closing a warm air outlet on the Trumatic C 4002 or C 3402	
	34000-81800	U-clamp set , essential when using warm air duct VR 72, Ø 72 mm (not illustrated)	

Product overview: Combi D 6

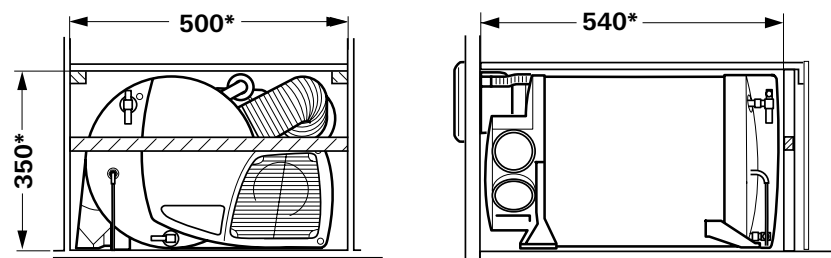
Combi D 6 diesel heater with water boiler

Heater (without wall cowl or pipe set for exhaust ducting) complete with room thermostat, control panel with 3 m cable, mounting parts, current-free FrostControl safety/drain valve, elbow fittings for 10 mm Ø water hoses, fuel routing including metering pump and fuel tank removal kit TES 01 standard.

Models with water connections for semi-rigid piping (John Guest System) available on request.

Product	Part no.	Description	Price
  	33500-01	Combi D 6, 12 V	Incl. 15% VAT 1,495.00 £ Ex. VAT 1,300.00 £

Technical details



* Minimum installation dimensions in mm
(please ensure that there is enough room for installation and servicing work to be carried out)

Time to heat water up from approx. 15°C to approx. 60°C	Approx. 20 min. (boiler), approx. 80 min. (heater + boiler)			
Air flow rate	Max. 287 m³/h			
Power consumption (12 V) (heater + boiler)	1.8 – 7 A (during normal operation)			
(heating up boiler)	Max. 1.8 A			
Rest current	0.001 A			
Fuel	Diesel in acc. with EN 590			
Water capacity	10 litres			
Water pressure	Max. 2.8 bar			
Weight without water				
Without peripherals	15.8 kg			
With peripherals	17.2 kg			
Burner stage	Normal operation**	1	2	3
Rated thermal output	1000 W	2000 W	4000 W	6000 W

**During normal operation with moderate heat output of 1000 W

Accessories


Wall cowls and pipe sets

Product	Part no.	Description	
	Wall cowl WKCD complete with extraction fan and connecting cable (without sound mufflers or exhaust ducts)		
	34400-02	Wall cowl WKCD , bianco	
	34400-03	Wall cowl WKCD , black	
	34400-04	Wall cowl WKCD , anthracite	
	34400-05	Wall cowl WKCD , white	
	Pipe set CDW complete with sound mufflers for combustion air and exhaust, incl. lock washer and insulating duct. If the pipe set needs to be shortened, you will need to install the replacement lock washer with the lock washer tool, see page 146.		
	34500-01	Pipe set CDW , 54 cm	
	34500-02	Pipe set CDW , 70 cm	
	34500-03	Pipe set CDW , 100 cm	
	34500-04	Pipe set CDW , 150 cm	
	34301-01	Extension cable , 6 m, for Combi D control panel	
	34301-02	Extension cable , 3 m, for Combi D control panel	
	34043-01	Time switch ZUCB complete with 3 m cable	
	34301-03	Extension cable , 6 m, for time switch ZUCB (not illustrated)	
	70070-01	FrostControl heating element with 1.5 m cable, for faster filling of the boiler, independent of the room temperature	






Accessories

Wall cowls and pipe sets

Product	Part no.	Description	
	34091-01	Elbow BGC for direct connection to the warm air outlet (outlet for ducts of 65 or 72 mm Ø)	
	34610-01	Altitude kit for longer heater operation at elevations of 1500 to 2750 m (not illustrated)	

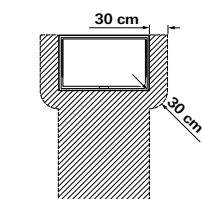
Single parts for laying the fuel line

The heater's scope of delivery includes an 8 m fuel line, 6 m cellular rubber hose, 10 hose holders and a replacement lock washer.



	34020-69800	Fuel line (per metre), for the corresponding cutting tool see page 146	
	34020-70000	Cellular rubber hose for acoustic insulation of the fuel line (per metre)	
	34020-76000	Hose holder (10 units)	

Window switch

Window switch for connecting to the automatic shut-off equipment of the Combi (E), Combi D and Trumatic C 6002 EH heaters. In addition to the window switch, automatic shut-off equipment is also required for the Trumatic E and Trumatic C heaters and the boiler.



Note: The window switch is also required to automatically shut off the device if the cowl has been installed underneath or less than 30 cm away from a window that will be opened (in accordance with EN 1949).

	34000-85800	Window switch, universal, for all standard knockout windows in caravans	
	39050-00800	Trumatic E automatic shut-off equipment	
	34000-80800	Trumatic C automatic shut-off equipment	
	70020-00800	Boiler automatic shut-off equipment	


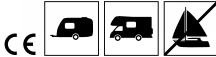
Product overview: Trumatic S 3002/S 3002 P

TRUMATIC S 3002/S 3002 P

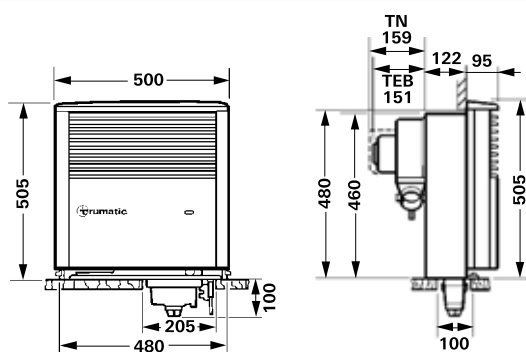
LP gas heaters, approved for caravans and motor homes

Operation is only permitted with an original Truma front case!

Front case not included in the scope of delivery, please order separately.

Product	Part no.	Description	
 	31311-01	Trumatic S 3002 , 30 mbar, with automatic ignitor, thermostat and installation box (without front case)	
	31291-01	Trumatic S 3002 P , 30 mbar, with Piezo ignitor, thermostat and installation box (without front case)	
	30040-50100	Front case , sepia brown	
	30040-50200	Front case , agate grey	

Technical details



All dimensions in mm

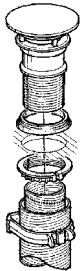
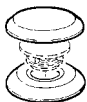
Rated thermal output	3400 W
Gas consumption	30 – 280 g/h
Weight	9.8 kg
Product ID number	CE-0085AP0325

The way in which warm air will be distributed is designed on an individual basis, see page 42 onwards.





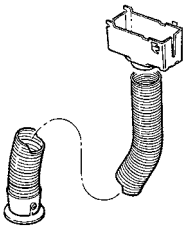
Accessories

Roof cowl kit

Product	Part no.	Description	
	30330-00	Roof cowl kit , consisting of Cowl AK 3, Ø 60 mm, 2.5 m exhaust duct, 2 m insulating duct and 3 clips	
	30700-03	Cowl top T3 a required component for operating the heater whilst driving	

For single cowl parts, cowl tops for motor homes and cowl accessories for caravans, see page 67 onwards.


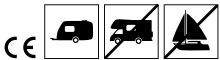
Installation accessories

	30030-85500	Gas line interior connection for Trumatic S 3002, right fitting	
	30030-85600	Gas line interior connection for Trumatic S 3002, left fitting	
	30030-04800	Air intake extension , complete with 50 cm air intake duct. For difficult installation situations, for example, installation on a plinth or in vehicles with a double floor	

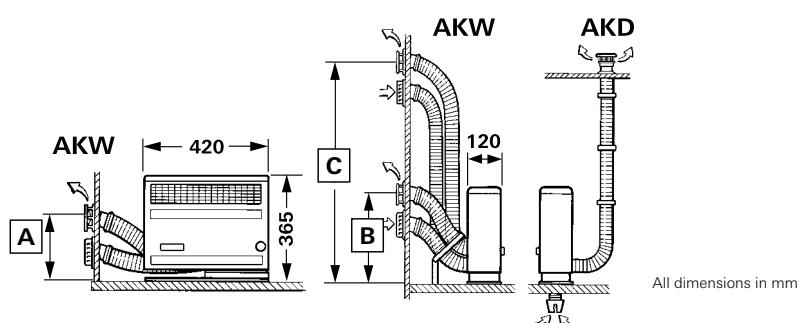
The way in which warm air will be distributed is designed on an individual basis. All Trumavent fans can be used (fitted on the installation box directly). The comfort kit also facilitates floor or wall mounting, see page 63 onwards.

Trumatic S 2200/S 2200 P

Trumatic S 2200/S 2200 P LP gas heaters, only approved for caravans

Product	Part no.	Description	
		Operating knob on left and exhaust duct connection on right (without cowl kit)	
	31110-02	Trumatic S 2200 , 30 mbar, with automatic ignitor	
	31130-02	Trumatic S 2200 P , 30 mbar, with Piezo ignitor	
		Operating knob on left and exhaust duct connection on right (without cowl kit)	
	31110-01	Trumatic S 2200 , 30 mbar, with automatic ignitor	
	31130-01	Trumatic S 2200 P , 30 mbar, with Piezo ignitor	

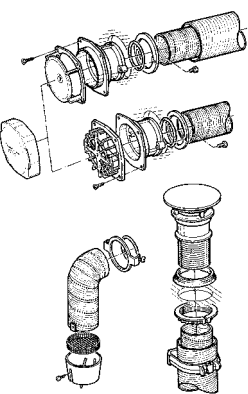
Technical details



Rated thermal output	1850 W		
Gas consumption	50 – 170 g/h		
Weight	6.7 kg		
Product ID number	CE-0085AP0324		
Installation variant	A	B	C
Duct lengths up to	35 cm	75 cm	120 cm
Minimum cowl height	20 cm	33 cm	66 cm

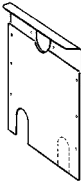
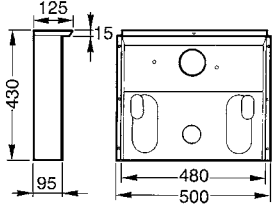
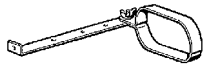
Accessories

Cowl kits

Product	Part no.	Description	
	30320-01	Wall cowl kit short , installation variants A + B (complete with 1 m exhaust duct AE 3, 0.5 m insulating duct ÜR and cowl covers)	
	30320-02	Wall cowl kit long , installation variant C (complete with 1.5 m exhaust duct AE 3, 0.75 m insulating duct, 1 double duct support and cowl covers)	
	30320-03	Roof cowl kit (cowl AK 3, 2.5 m exhaust duct, 2 m insulating duct, 3 clips and air intake fitting)	

For single cowl parts and cowl accessories, see page 67 onwards.

Installation accessories

	Rear panel with heat deflector for Trumatic S 2200 (for free-standing installation)		
	30190-01	Rear panel RWSL for exhaust duct connection on right	
	30190-00	Rear panel RWS for exhaust duct connection on left	
	30171-01	Installation box EKM for S 2200, exhaust duct connection on right and left (for integrated installation in a wardrobe)	
	30280-00	Double duct support DSW for exhaust and infeed ducts through the side walls (included in the wall cowl kit long), essential for duct lengths of 75 and 120 cm.	

The way in which warm air will be distributed is designed on an individual basis. All Trumavent fans can be used (fitted on the installation box directly), as can the Multivent fan, see page 63 onwards.


Product overview: Trumatic S 5002/S 5002 E

Trumatic S 5002/S 5002 E LP gas heaters, only approved for caravans

For motor vehicles (e.g. motor homes), Truma offers the Trumatic S 3002 (P) (page 52), Trumatic E (page 66 onwards), Combi (E) (page 45) and Combi D (page 49) heaters, which have been type-tested by the German Federal Motor Transport Authority (Kraftfahrt-Bundesamt).

Operation is only permitted with an original Truma front case!

Attention: Front case not included in the scope of delivery, please order separately.

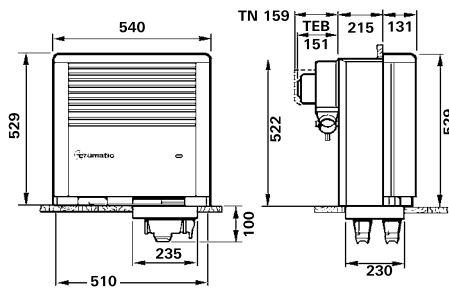
Product	Part no.	Description	
	Trumatic S 5002 , 30 mbar, for LP gas, with automatic ignitor, thermostat and installation box (without front case)		
	31511-01	Trumatic S 5002 , 30 mbar	
	31511-03	Trumatic S 5002 , 30 mbar, with special installation box for 2 fans	
	Trumatic S 5002 E , 20 mbar, for natural gas (suitable for 20 mbar to 25 mbar, list of relevant countries available on request), with automatic ignitor, thermostat and installation box (without front case)		
	31551-01	Trumatic S 5002 E , 20 mbar	
	31551-03	Trumatic S 5002 E , 20 mbar, with special installation box for 2 fans	
	Trumatic S 5002 E , 25 mbar, for natural gas (Netherlands) with automatic ignitor, thermostat and installation box (without front case)		
	31551-05	Trumatic S 5002 E , 25 mbar	
	31551-07	Trumatic S 5002 E , with special installation box for 2 fans	
	30050-60100	Front case , sepia brown	
	30050-60200	Front case , agate grey	



Product overview: Trumatic S 5002/S 5002 E

Trumatic S 5002/S 5002 E LP gas heaters, only approved for caravans

Technical details




All dimensions in mm

Rated thermal output	5500 W (propane/butane) 4600 W (natural gas)
Gas consumption	60 – 480 g/h (propane/butane) 64.5 – 517 l/h (natural gas)
Weight	17.5 kg
Product ID number	CE-0085AP0326

Product overview: Flame-effect front case

Flame-effect front case

The flame-effect front case can be retrofitted on Trumatic S 5002 heaters, 30 mbar, **from date of manufacture 06/2004**. The inner installation box **must** also be replaced when retrofitting on Trumatic S 5002 heaters, 30 mbar, date of manufacture 05/1998 to 05/2004 (installation box for one fan, part no. 30050-51100, special installation box for two fans, part no. 30050-51300).


Product	Part no.	Description	
	30050-61000	Flame-effect front case , black-brown, with sound effects	
	30050-61200	Flame-effect front case , grey aluminium, with sound effects	

Technical details

Power consumption (12 V)	0.65 A
Weight	5.2 kg

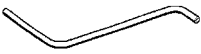
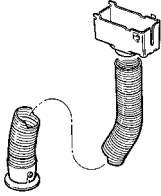
Accessories

Roof cowl kit

Product	Part no.	Description	
	30350-00	Roof cowl kit , consisting of Cowl AKL 5, Ø 70 mm, 2.5 m exhaust duct, 2 m insulating duct and 3 clips	

For single cowl parts and cowl accessories for the caravan, see up to page 61.

Installation accessories

	30050-30500	Gas line interior connection for Trumatic S 5002, right and left fitting	
	30030-04800	Air intake extension complete with 50 cm air intake duct. For difficult installation situations, for example, installation on a plinth or in vehicles with a double floor, 2 units are required.	

The way in which warm air will be distributed is designed on an individual basis. All Trumavent fans can be used (fitted on the installation box directly). The comfort kit also facilitates floor or wall mounting, see page 64 onwards.

Product overview: Trumatic S 3002 FS






Trumatic S 3002 FS, LP gas heater

LP gas heater for free-standing installation, for example, in a permanent awning.

The proven Trumatic S 3002 heater, already in an installation box. Delivered complete with roof cowl, lead-through for pitched roofs, 3 m exhaust duct, Trumavent fan TEB-2, 12 V and all parts required for installation.

Operation is only permitted with an original Truma front case!

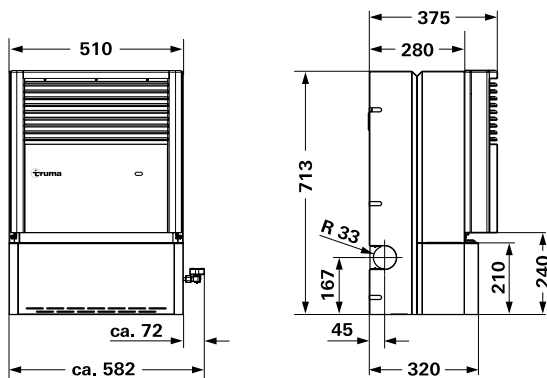
Front case not included in the scope of delivery, please order separately.

Product	Part no.	Description	
     For permanent awning only!	31311-05	Trumatic S 3002 FS , 30 mbar	

Attention: The gas may only be supplied via the 30 mbar gas system of the vehicle (e.g. the caravan).

	30040-50100	Front case , sepia brown	
	30040-50200	Front case , agate grey	

Technical details



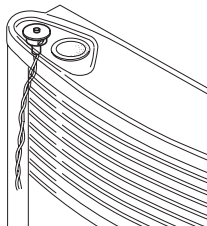
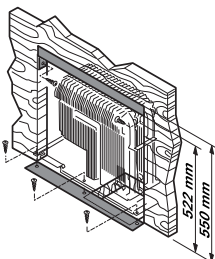
All dimensions in mm

Rated thermal output	3400 W
Gas consumption	30 – 280 g/h
Weight	18.5 kg (incl. fan TEB-2 and front case)
Product ID number	CE-0085AP0325

The way in which warm air will be distributed is designed on an individual basis.

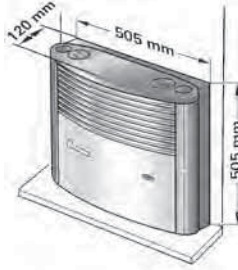
Accessories

Accessories for Trumatic S

Product	Part no.	Description	
	30040-65400	Ignition pilot light for retrofitting in the front case of Trumatic S 3002 or Trumatic S 5002 heaters (only for devices from date of manufacture 08/99 or with a new automatic ignitor – with one battery)	
	30040-65700	Automatic ignitor retrofit kit for Trumatic S 3002 P heaters from date of manufacture 07/81 complete with an ignition pilot light (not illustrated)	
	30050-33600	Installation panel set for installing a Trumatic S 5002 heater from date of manufacture 05/98 , replacing a Trumatic S 5002 heater up to date of manufacture 05/98	

Modern front case design for older Truma heaters

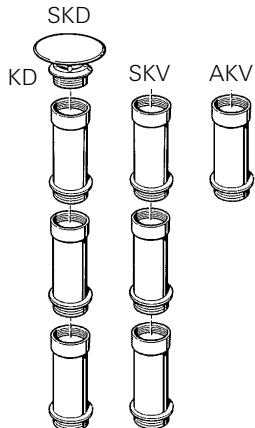

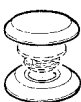

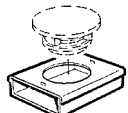
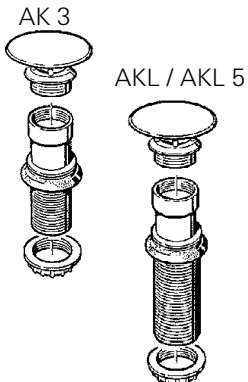
Retrofit front case for Trumatic S 3002 (P) heaters, **date of manufacture 07/81 to 04/96** complete with control rod and, if necessary, Piezo ignitor. **Attention:** Not to be used with the Trumatic S 3002 K heater!

	Front cases for the Trumatic S 3002 heater		
	30040-19100	Front case , sepia brown	
	30040-19300	Front case , agate grey	
	Front cases for the Trumatic S 3002 P heater (incl. Piezo ignitor)		
	30040-19200	Front case , sepia brown	
	30040-19400	Front case , agate grey	





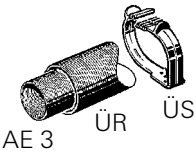
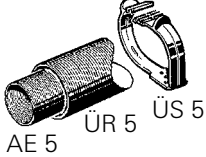

Accessories

Trumatic S exhaust duct

Product	Part no.	Description	
	30610-00	Cowl extension SKD , 45 cm, with cowl roof KD, for caravans with special mountings or places with extreme wind condi- tions	
	30010-20900	Cowl roof KD	
	30690-00	Cowl extension SKV , 45 cm	
	30010-20800	Cowl extension AKV , 15 cm	
	30630-04	Cowl lead-through UEK for caravan protective double roofs	
	30700-03	Cowl top T3 for operating the heater whilst driving, Essential for motor homes (not for the Truma S 55 T heater)	
	30700-02	Cowl top T2 for operating the heater whilst driving (not for the Truma S 55 T heater)	
	30700-01	Cowl top T1 for operating the heater whilst driving (not for the Truma S 55 T heater)	
	30630-01	Roof cowl AK 3 , Ø 60 mm, for Trumatic 2200 and Trumatic S 3002 (P) heaters	
	30630-03	Roof cowl AKL , Ø 60 mm, special version for a roof thickness of 5 cm to 12 cm, for Trumatic S 2200 and Trumatic S 3002 (P) heaters	
	30651-01	Roof cowl AKL 5 , 70 mm, for the Trumatic S 5002 heater, for a roof thickness of up to 12 cm	

Accessories

Trumatic S exhaust duct

Product	Part no.	Description	
	30260-00	Wall cowl kit AKW For Trumatic S 2200 heater (without covers or ducts)	
	30270-00	Cowl cover set KSW (2 pieces) For wall cowl AKW	
	30290-00	Roof cowl kit AKD For Trumatic S 2200 heater (exhaust cowl AK 3 and air intake duct, without ducts)	
 AE 3 ÜR ÜS	30140-00	Exhaust duct AE 3 , Ø 55 mm (per metre) For Trumatic S 2200 (P) and Trumatic S 3002 (P) heaters	
	40230-00	Insulating duct ÜR , Ø 65 mm (per metre) For Trumatic S 2200 (P) and Trumatic S 3002 (P) heaters	
	40241-01	Clip ÜS , agate grey, Ø 65 mm For fixing insulating duct ÜR to the vehicle wall	
 AE 5 ÜR 5 ÜS 5	30160-00	Exhaust duct AE 5 , Ø 65 mm (per metre) For Trumatic S 5002 and Truma S 55 T heaters	
	40250-00	Insulating duct ÜR 5 , Ø 75 mm (per metre) For Trumatic S 5002 and Truma S 55 T heaters	
	40261-01	Clip ÜS 5 , agate grey, Ø 75 mm For fixing insulating duct ÜR 5 to the vehicle wall	
	30620-00	Exhaust duct support AST Ensures the exhaust duct can be fitted in a rising position in difficult installation conditions	



Accessories


Trumavent fans for Trumatic S

Product	Part no.	Description	
Connection for air duct ÜR Ø 65 mm or VR Ø 72 mm   	Trumavent fan TE2-2 , 12 V, with automatic speed control		
	41122-01	Trumavent fan TE2-2 , 12 V With control panel for installation in the heater case (only for Trumatic S 3002 and Trumatic S 5002 with new design)	
	41122-02	Trumavent fan TE2-2 , 12 V With external control panel	
	Trumavent fan TEN-2 , 12 V, with 230 V/12 V transformer and automatic speed control		
	41232-01	Trumavent fan TEN-2 , 12 V With control panel for installation in the heater case (only for Trumatic S 3002 and Trumatic S 5002 with new design)	
	41232-02	Trumavent fan TEN-2 , 12 V With external control panel	
	41222-01	Trumavent fan TN-2 , 230 V With external control panel	
		TE2-2 (12 V)	TN-2 (230 V)
Power consumption		0.3 – 1 A (4 – 13 W)	0.5 A (65 W)
Air flow rate with air duct	ÜR Ø 65 mm	135 m³/h	169 m³/h
	VR Ø 72 mm	142 m³/h	182 m³/h
For details of accessories for external control panels, see page 142.			
	40000-47700	Transformer SPU , 230 V/12 V For connecting Trumavent fan TE2-2 to a 230 V supply Input 230 V, 50 Hz, 30 W Output 12 V, max. 1.5 A	



Accessories for Trumatic S heating systems

Multivent fan TBM


For warm air distribution at the Trumatic S 2200 heater, for increasing the air output in existing warm air systems and acting as an extractor fan in the kitchen or bathroom (in conjunction with air intake nozzle DM).

Product	Part no.	Description	
	41141-01	Multivent fan TBM, 12 V Universal fan	
Dimensions in mm	L 150 x W 130 x H 124		
Air flow rate	Partial load	29 m³/h	
	Full load	60 m³/h	
Power consumption	Partial load	0.23 A	
	Full load	0.5 A	

For details of accessories for control panels, see page 142.

	40670-00	Air intake nozzle DM For connecting Multivent to the heater rear panel or installation box (suitable for duct ÜR, Ø 65 mm)	
	30630-02	Cowl AKR For extractor fan (with rain protection)	

Comfort kit with Airmix

	40621-01	Comfort kit AXK-2 compl. with Airmix for Trumavent fan with date of manufacture as of 05/96 Not for motor homes or for heaters with under-floor exhaust duct; not for Truma S 55 T heater	
	40000-47900	Control panel cable, 1.3 m long Absolutely essential for Trumavent fan TEB-2 with date of manufacture as of 05/96 and with control panel integrated into heater case (not illustrated)	




Product overview: Ultraheat

Ultraheat additional electric heater


Additional electric heater with thermostat, compl. with control panel and 3 m cable. Suitable for Trumatic S 3002 (P) heaters **with date of manufacture as of 07/81**, Trumatic S 5002 heaters **with date of manufacture as of 04/98** (with semi-circular case design) and Truma S 55 T heaters. Installation between the installation box and heat exchanger.

Not for Trumatic S 3002 K, S 5002 K and S 5002 **with date of manufacture up to 04/98 and with old case design.**

Product	Part no.	Description	
 CE	30402-02	Ultraheat additional electric heater (not suitable for Truma S 55 T heater)	
	30402-09	Ultraheat additional electric heater (for Truma S 55 T heater only)	
Power consumption with power setting		500 W: 2.2 A 1000 W: 4.5 A 2000 W: 8.5 A	
Power supply		230 V ~ 50 Hz	
Weight		2 kg	

Accessories

Ultraheat accessories

	34300-01	Extension cable, 5 m, For control panel (not illustrated)	
For details of accessories for control panels, see page 142.			
	34201-01	Room temperature sensor FFC 2, compl. with 4 m cable and adapter cable, monitors the room temperature regardless of the position of the control panel	

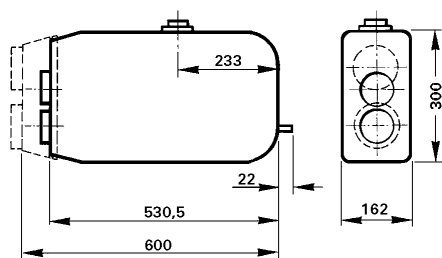
Product overview: Trumatic E 4000/E 4000 A

Trumatic E 4000/E 4000 A LP gas heater

Heater compl. with thermostat, control panel with 4 m cable and mounting kit, without exhaust duct.
Versions with 10 m control panel cable, 24 V or special control panel for installation in existing cut-outs available on request.

Product	Part no.	Description	
	32312-01	Trumatic E 4000 , 30 mbar, 12 V	
	32492-01	Trumatic E 4000 A , 30 mbar, 12 V, For external installation	

Technical details



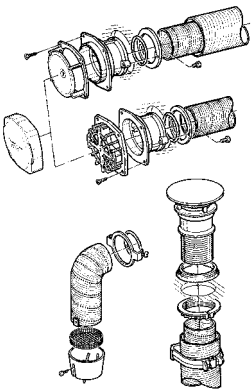
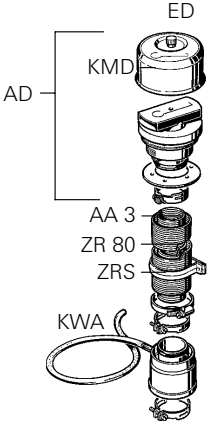
All dimensions in mm

Rated thermal output	3700 W
Air flow rate	Approx. 70/102 m ³ /h
Gas consumption	Partial load 150 g/h, full load 310 g/h
Power consumption (12 V)	1.0/2.3 A
Rest current	0.01 A
Weight (without/with peripheral devices)	E 4000 (E 4000 A) 8.6 (9.0)/8.9 (9.3) kg
Product ID number	CE-0085AP0232

For details of accessories for control panels, see page 142. For details of window switch and automatic shut-off equipment (if the exhaust cowl is installed below or beside a window), see page 51.



Accessories

Cowl kits and single cowl parts

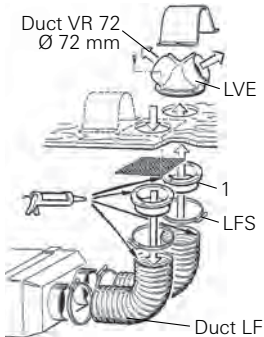
Product	Part no.	Description	
	Wall cowl kit CW compl. with 1 m exhaust duct, 1 m air supply duct and clips (without cover)		
	34110-01	Wall cowl kit CW , cream	
	34110-02	Wall cowl kit CW , bianco	
	34110-09	Wall cowl kit CW , black	
	34110-10	Wall cowl kit CW , anthracite	
	Wall cowl WKC compl. (without cover or ducts)		
	34011-01	Wall cowl WKC , cream	
	34011-05	Wall cowl WKC , bianco	
	34011-09	Wall cowl WKC , black	
	34011-10	Wall cowl WKC , anthracite	
	39690-00	Roof cowl kit ED compl. with 2 m exhaust duct, 2 m air supply duct, condensation trap and clips	
	39600-01	Roof cowl AD compl. with cover (no ducts)	
	39620-01	Roof cowl cover KMD (spare)	
	39670-00	Condensation trap KWA	
	39320-00	Exhaust duct AA 3 , Ø 55 mm (per metre)	
	39580-00	Air supply duct ZR 80 , Ø 80 mm (per metre)	
	39590-00	Clip ZRS , Ø 80 mm	

Accessories

Cowl kits and single cowl parts





Product	Part no.	Description	
	39330-01	Wall cowl cover KW-2 , cream (Spare for devices with date of manufacture up to 03/2005)	
	39511-00	Cowl housing For external heaters	

Air lead-through for heater E 4000 A installed externally

	39760-00	Duct LF , Ø 106 mm (per metre)	
	39770-00	Clip LFS , Ø 106 mm	
	39010-76900	Exterior socket , Ø 106 mm (1)	
	39750-00	Air diffuser LVE compl. with protection grill and panel Outlet for 2x ducts VR 72, Ø 72 mm	

The way in which warm air will be distributed is designed for each individual type of vehicle.

Warm air distribution parts



	39550-00	Duct VR 72 , Ø 72 mm (per metre), for direct connection to Trumatic E 4000 heater	
	40261-01	Clip ÜS 5 , agate grey, Ø 72 mm	
	39570-00	Duct I 80 , Ø 85 mm (per metre), insulation duct for duct VR 72, e.g. to serve as contact protection for Trumatic E 4000	
	39590-00	Clip ZRS , Ø 80 mm	

Product overview: Trumatic E 2400

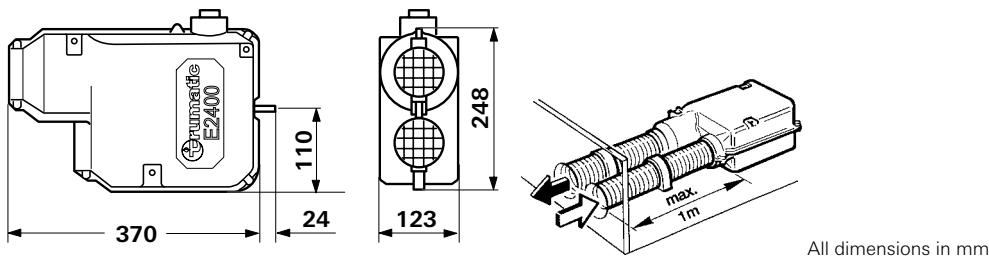
Trumatic E 2400 LP gas heater

Heater compl. with thermostat, control panel with 4 m cable and mounting kit, without exhaust duct.

Versions for natural gas (CNG) plus variants with 10 m control panel cable, 24 V or special control panel for installation in existing cut-outs available on request.

Product	Part no.	Description	
 	37112-01	Trumatic E 2400 , 30 mbar, 12 V	

Technical details

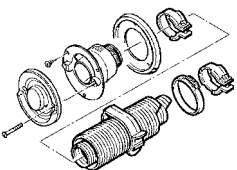


Rated thermal output	2400 W (propane/butane)
Air flow rate	Approx. 49/78 m ³ /h
Gas consumption	(Propane/butane); partial load 100 g/h, full load 200 g/h
Power consumption (12 V)	0.6/1.1 A
Rest current	0.01 A
Weight	(Without/with peripheral devices) 4.8/5.1 kg
Product ID number	CE-0085AO0008

For details of accessories for control panels, see page 142. For details of electrical accessories, see page 72. For details of window switch and automatic shut-off equipment (if the exhaust cowl is installed below or beside a window), see page 51.

Exhaust duct accessories

Cowl kits and single cowl parts



Wall cowl kit EW 24 (without cover), compl. with 1 m exhaust duct, 1 m air supply duct and clips

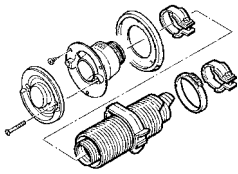
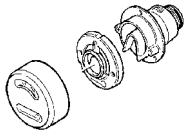
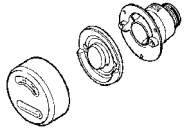
39371-01 **Wall cowl kit EW 24**, cream

39371-04 **Wall cowl kit EW 24**, bianco

39371-03 **Wall cowl kit EW 24**, black

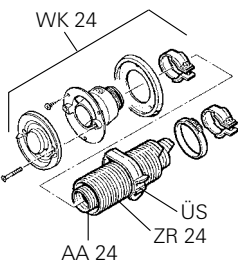
Exhaust duct accessories

Cowl kits and single cowl parts







Product	Part no.	Description	
	Wall cowl kit EAW 24 (without cover) for heaters installed externally, compl. with 0.5 m exhaust and air supply duct, clips and air lead-through		
	39371-02	Wall cowl kit EAW 24 , cream	
	39371-05	Wall cowl kit EAW 24 , bianco	
	39371-06	Wall cowl kit EAW 24 , black	
	Cowl cover KKW for wall cowls with date of manufacture up to 03/2001		
	39140-00	Cowl cover KKW , cream	
	39140-02	Cowl cover KKW , bianco	
	39140-01	Cowl cover KKW , black	
	Cowl cover KKW-2 for wall cowls with date of manufacture as of 03/2001		
	39141-00	Cowl cover KKW-2 , cream	
	39141-02	Cowl cover KKW-2 , bianco	
	39141-01	Cowl cover KKW-2 , black	

Accessories

Single cowl parts

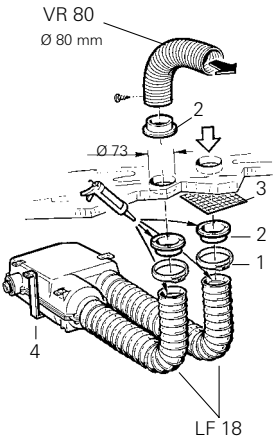
Product	Part no.	Description	
	Wall cowl WK 24 (without ducts)		
	39381-01	Wall cowl WK 24 , cream	
	39381-06	Wall cowl WK 24 , bianco	
	39381-03	Wall cowl WK 24 , black	
	39420-00	Exhaust duct AA 24 , Ø 33 mm (per metre)	
	39440-00	Air supply duct ZR 24 , Ø 64 mm (per metre)	
	40241-01	Clip ÜS , agate grey, Ø 65 mm	

Warm air distribution parts

	39450-00	Duct VR 80 , Ø 80 mm outer, Ø 76 mm inner (per metre)	
	39590-00	Clip ZRS , Ø 80 mm	
	39490-00	Elbow BG 80 For Ø 80 mm ducts	
	39610-00	Y-pipe 80 , Inlet Ø 80 mm, Outlet 2x Ø 65/72 mm	
	39540-00	T-pipe 80 , Inlet Ø 80 mm, Outlet 2x Ø 65/72 mm	
	39500-01	Air diffuser LR 80 , Inlet Ø 80 mm, Outlet 2x Ø 65/72 mm and 1x Ø 49 mm	




Accessories

Air lead-through for Trumatic E 2400 heater installed externally

Product	Part no.	Description	
	39080-16900	Air duct LF 18, Inner diameter 76 mm (Fixed length 60 cm)	
	39010-61800	Hose clip, 70 – 90 (1)	
	39050-73400	Connector piece (2) For ducts with inner diameter of 76 mm	
	39080-15900	Protection grill (3)	
	39050-74000	Fastening strap (4) (not illustrated)	

The way in which warm air will be distributed is designed for each individual type of vehicle.



Trumatic E electrical accessories

	39891-00	Time switch ZUE 2, 12/24 V, Compl. with cover frame and 4 m cable	
	39010-78300	Extension cable, 4 m, For ZUE 2 (not illustrated)	
	Remote sensor compl. with cable, for monitoring the room temperature regardless of the position of the control panel		
	39010-77300	Remote sensor FF With 4 m cable	
	39010-77400	Remote sensor FF 1 With 10 m cable	
	39050-41700	Remote sensor FF 2 For monitoring the room temperature regardless of the position of the control panel (not suitable for use in loading compartments); please order cable along with this	
	34000-71900	Cable 4 m For remote sensor FF 2 (not illustrated)	













Accessories

Trumatic E electrical accessories

Product	Part no.	Description	
	Extension cable for remote sensor FF 2 (not illustrated)		
	39010-78300	Extension cable, 4 m (not illustrated)	
	39010-78400	Extension cable, 10 m (not illustrated)	
	39010-78200	Multiple plug adapter MSD With 0.3 m connecting cable for connecting multiple accessories (e.g. time switch and remote sensor)	
	Special control panel for installation in existing cut-outs (e.g. instrument panel), compl. with thermostat, cable and installation frame		
	39050-39000	Special control panel With 4 m cable	
	39050-38900	Special control panel With 10 m cable	







Accessories

Accessories for warm air distribution

Product	Part no.	Description	
	40230-00	Duct ÜR , Ø 65 mm (per metre)	
	40241-01	Clip ÜS , agate grey, Ø 65 mm	
	39550-00	Duct VR 72 , Ø 72 mm (per metre)	
	40261-01	Clip ÜS 5 , agate grey, Ø 72 mm	
	39450-00	Duct VR 80 , Ø 80 mm (per metre)	
	39590-00	Clip ZRS , Ø 80 mm	
	40681-00	Insulated duct DRI , Ø 75 mm, Fixed length 2 m	
	40261-01	Clip ÜS 5 , agate grey, Ø 72 mm	
	39170-00	Duct ZR 18 , Ø 49 mm (per metre)	
	39190-00	Clip ZRS 18 , Ø 49 mm	

Accessories

Accessories for warm air distribution

Product	Part no.	Description	
	40210-00	Branch duct AZR , Ø 22 mm (per metre)	
	40220-00	Clip AZS , Ø 22 mm	
	40151-02	T-pipe LT , agate grey For Ø 65 or 72 mm ducts	
	40181-01	End outlet nut EM , agate grey	
	End outlet EN with air throttle, suitable for T-pipe LT, end outlet nut EM and Ø 65 mm ducts		
	40171-01	End outlet EN , agate grey	
	40171-02	End outlet EN , beige	
	40171-03	End outlet EN , brown	
	40171-04	End outlet EN , grey	
	40171-05	End outlet EN , black	
	40171-06	End outlet EN , white	
	40171-09	End outlet EN , olive brown	
	40171-08	End outlet EN , silver	
	Lamella inset LA for attaching to end outlet EN-O, direction of air flow can be adjusted by turning		
	40721-01	Lamella inset LA , agate grey	
	40721-02	Lamella inset LA , beige	
	40721-03	Lamella inset LA , brown	
	40721-04	Lamella inset LA , grey	
	40721-05	Lamella inset LA , black	
	40721-09	Lamella inset LA , olive brown	









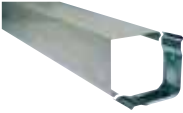

Accessories

Accessories for warm air distribution

Product	Part no.	Description	
	40171-25	End outlet EN-L black For rounded items of furniture and thicker walls (up to a maximum of 43 mm)	
	End outlet EN-O without air throttle, for lamella inset LA		
	40171-07	End outlet EN-O , agate grey	
	40171-29	End outlet EN-O , olive brown	
	40101-01	Panel BL 22 , agate grey With Ø 22 mm air outlet, can be used to achieve a significant reduction in the air flow volume	
	40101-02	Panel BL 30 , agate grey With Ø 30 mm air outlet, can be used to achieve a slight reduction in the air flow volume	
	Swivelling air outlet SCW 2 non-closable air outlet for Trumatic E, Trumatic C and Combi (D), for Ø 80 mm, 72 mm or 65 mm ducts		
	39971-01	Swivelling air outlet SCW 2 , black	
	39971-02	Swivelling air outlet SCW 2 , beige	
	39971-03	Swivelling air outlet SCW 2 , basalt grey	
	40151-01	T-pipe TS , agate grey For Ø 65 or 72 mm ducts	
	34020-24000	Clips , 3x for T-pipe TS, T-pipe LT, insulating elbow BGI and Combi for improved securing of different air ducts (not illustrated)	
	40701-01	Wall outlet vent WL , agate grey For Ø 65 or 72 mm ducts	
	40191-01	Y-pipe , agate grey For Ø 65 or 72 mm ducts	
	39010-76400	Elbow BG , black For Ø 65 or 72 mm ducts	
	40730-01	Insulating elbow BGI , black Insulated elbow for guiding air underneath the floor and back again (2 pieces required)	






Accessories

Accessories for warm air distribution

Product	Part no.	Description	
 		Duct shut-off for central closing of an air lead-through for Ø 65 mm or 72 mm ducts	
	40121-01	Duct shut-off SP , agate grey	
	40121-02	Duct shut-off SP 2 , agate grey With Bowden cable and control slide for installation on a wardrobe wall	
	40161-01	Straight coupling ÜM , agate grey For Ø 65 or 72 mm ducts	
	40131-01	T-branch AT , agate grey For Ø 65 or 72 mm ducts, For Ø 65 mm or 72 mm ducts, Ø 22 mm branch with end grommet for duct, e.g. for refrigerator ventilation in summer	
	40391-01	Duct cover RD , agate grey For Ø 65 or 72 mm ducts	
	40353-01	Blanking plug VD , agate grey For closing form parts	
	39010-81300	Reducer RZ , black For reducing Ø 72 mm ducts to Ø 49 mm	
	40381-01	Reducer RZ35 , agate grey For reducing Ø 65 mm or 72 mm ducts to Ø 35 mm Isotherm ducts	
	40640-00	Duct casing RA , length 65 cm 2 brackets incl. (without air outlet)	
	40660-00	Air intake nozzle DT , Ø 80 mm For fan connection in special cases	


Accessories

Truma Isotherm system

Product	Part no.	Description	
	40301-01	Branch AB35 , agate grey For Isotherm system, for Ø 65 mm ducts, Ø 35 mm branch	
	40320-00	Isotherm duct IR , Ø 35 mm, perforated (per metre)	
	40320-01	Isotherm duct IR , Ø 35 mm, not perforated (per metre – not illustrated)	
	40340-00	Double clip DS For Isotherm duct, Ø 35 mm, and duct ÜR, Ø 65 mm	
	40331-01	Clip IS , agate grey For Isotherm duct, Ø 35 mm	
	40311-01	Corner air outlet EC , agate grey For Isotherm duct, Ø 35 mm	

Towel dryer


Warm air from the existing Truma heater is routed into the two swivelling support tubes of the towel dryer

	40500-01	Towel dryer , titanium silver, Incl. installation accessories	
		Dimensions in cm	L 76 x W 42 x H 8
		Weight	0.7 kg

Awning Warmer

Awning Warmer in new design; for guiding the warm air from the existing caravan heater directly into the awning, consisting of:

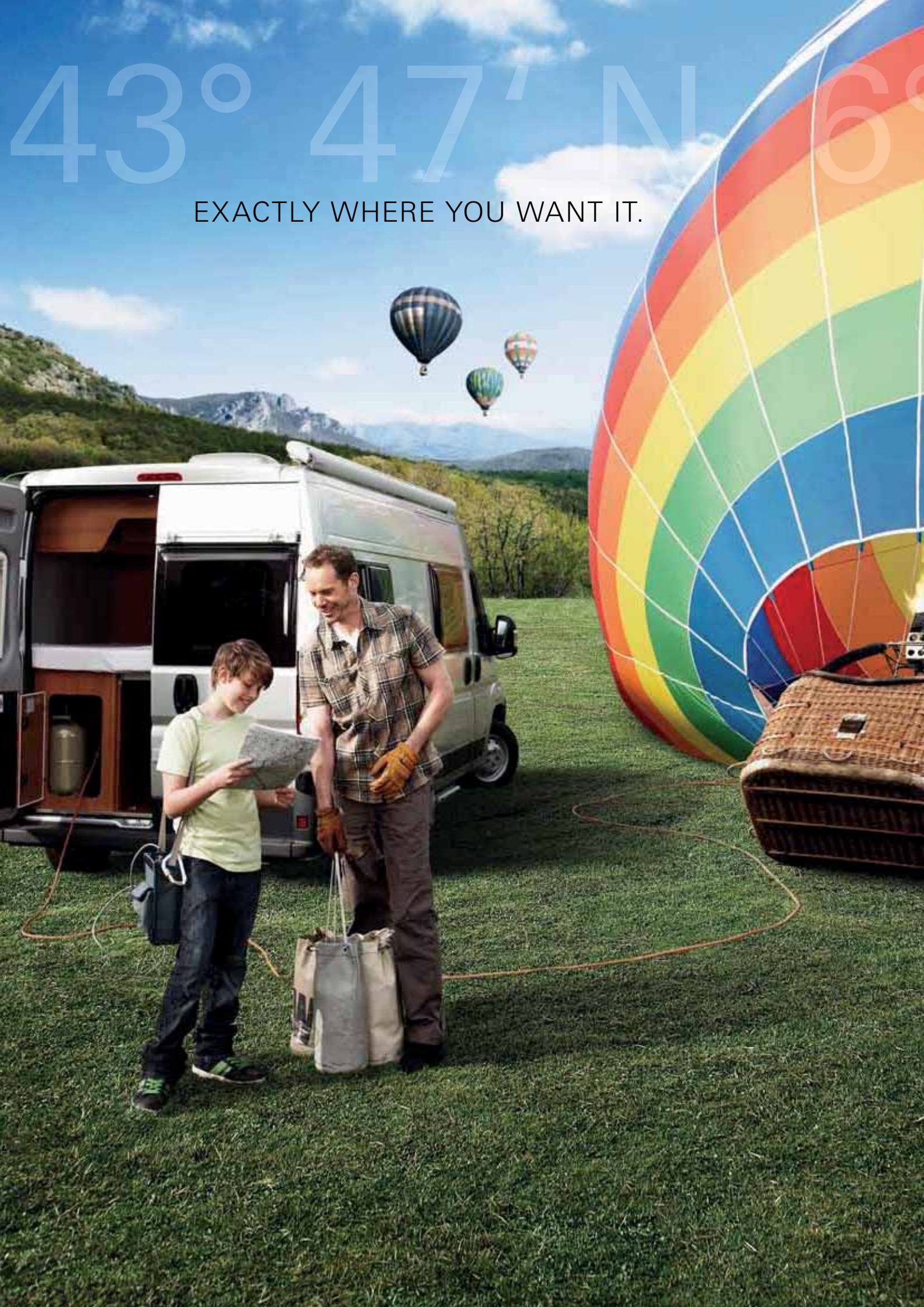
Warm air outlet with cover, 1 m duct, Ø 65 mm, T-pipe TS and duct shut-off SP 2

	40371-02	Awning Warmer , ivory	
	40371-01	Awning Warmer , white	



43° 47' N 69°

EXACTLY WHERE YOU WANT IT.





GAS SUPPLY

Even when you're on holiday, your surroundings should always be a home from home. But since it's impossible to imagine a camping holiday without LP gas, Truma has developed the perfect innovative systems and accessories for your gas supply. All of the devices are easy to install and retrofit, ensuring that everything throughout your recreational vehicle is safely regulated – whether you're stationary or on the move. After all, for 60 years now the proven original Truma quality we offer has been synonymous with travelling in comfort and arriving with a feeling of relaxation.

Heating on the move

According to the current European Directive concerning the use of heating systems in vehicles manufactured from 01/2007 onwards, operating an LP gas heater whilst driving requires the installation of a safety shut-off device to prevent gas escaping if the line is ruptured as a result of an accident. But how safe is it to operate a gas system used for heating whilst you are on the move? Truma has the answer: for years, we have been further developing technical standards for protective devices that enable heating whilst driving.

And now we have also incorporated a crash sensor into our new generation of gas pressure regulation systems. This sensor responds to accidents that take place at even low impact speeds of 15 – 20 km/h and closes the gas supply before damage can be caused to the lines or devices, allowing you to arrive with a feeling of relaxation and comfort, and keeping everyone safe. That's why Truma gas pressure regulation systems offer everything required to ensure safe heating on the move, throughout the whole of Europe.

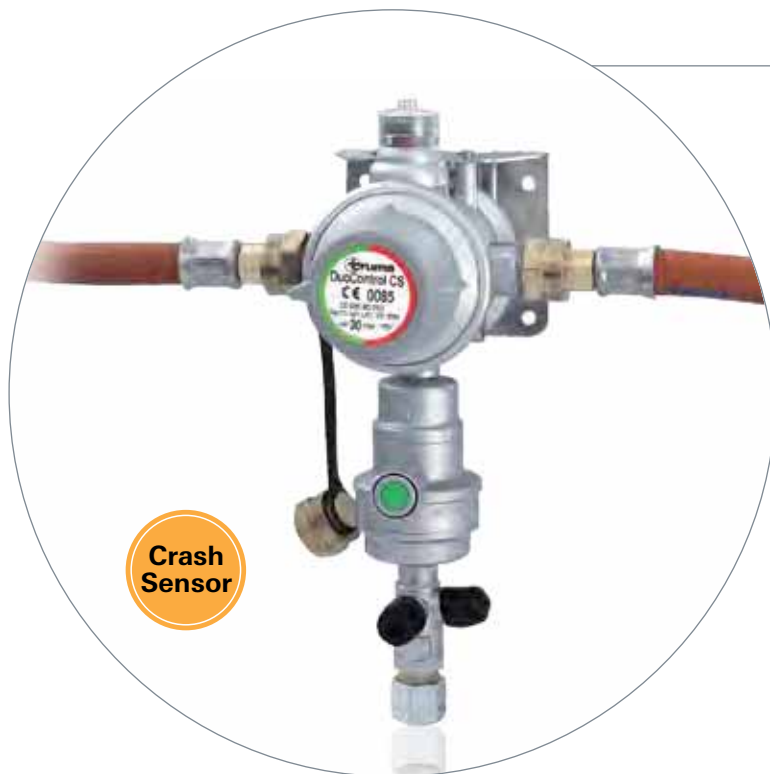
- Maximum level of safety
- Compliant with all European standards and regulations
- Easy to retrofit, easy to operate
- No power consumption
- Designed for single and two-cylinder gas systems
- No pressure losses thanks to additional components
- Compatible with existing original Truma accessories

DuoControl CS

Double the safety



Thanks to its integrated crash sensor, this safety gas pressure regulation system is ideally suited to ensuring safe heating whilst on the move.



- **Automatic changeover from empty to full gas cylinder**
- **With visual display indicating the status of the operating cylinder (empty/full)**
- **For vertical or horizontal installation**
- **Crash sensor activation value: 3.5 g ±0.5 g**
- **Crash sensor is easy to reset**
- **Available in 30 mbar and 50 mbar versions**
- **Manual selection of operating cylinder using control knob**



DuoControl CS horizontal



MonoControl CS

NEW!

Invincible safety. The gas pressure regulation system with crash sensor for single-cylinder gas systems.

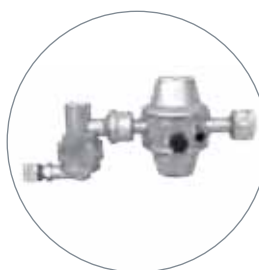


- For vertical or horizontal installation
- Crash sensor activation value: $3.5\text{ g} \pm 0.5\text{ g}$
- Crash sensor is easy to reset
- Available in 30 mbar and 50 mbar versions
- Also available for gas tanks

Note: You can upgrade the MonoControl CS to a two-cylinder changeover unit at a later point, by using the Truma DuoComfort changeover valve and an additional gas hose.



MonoControl CS horizontal



MonoControl CS for gas tanks



DuoComfort

Upgrading made easy. If a MonoControl CS or SecuMotion system is already installed in your recreational vehicle, we recommend DuoComfort for upgrading to a two-cylinder changeover unit.



- **Compliant with all directives governing heating whilst driving**
- **Perfect addition to Truma MonoControl CS/SecuMotion**
- **Visual display indicating the status of the operating cylinder (empty/full)**
- **Manual selection of operating cylinder using control knob**

SecuMotion

Safety in motion. The SecuMotion gas pressure regulation system featuring integrated gas flow monitor means a safe and user-friendly gas supply – even when you're on the move.

- With country-specific hoses for use throughout Europe
- Ideal basis for the DuoComfort two-cylinder system
- Integrated test point makes leak testing a breeze
- Not suitable for retrofitting



High-pressure hoses with hose rupture protection

Think about it: only safe hoses are suitable for heating whilst you're on the move! So original Truma high-pressure hoses with hose rupture protection are an essential choice – and they're available in a large number of country-specific versions for various types of cylinder valve, as well as in different lengths.





Remote indicator DuoC with EisEx

Ensures clarity, prevents icing. With DuoC, the new remote indicator for DuoComfort/DuoControl and DuoControl CS, you can see which gas cylinder is in operation when you're inside the vehicle. So you can say goodbye to nasty surprises and uncertainty. The EisEx feature helps with this too by preventing the regulation system from freezing at low temperatures. All you need to do is activate winter operation on the control panel, and there you have it:

- Operating status of gas cylinders (empty/full) displayed inside the vehicle
- EisEx prevents icing in the regulation system at cold temperatures



A perfect supply while you're stationary

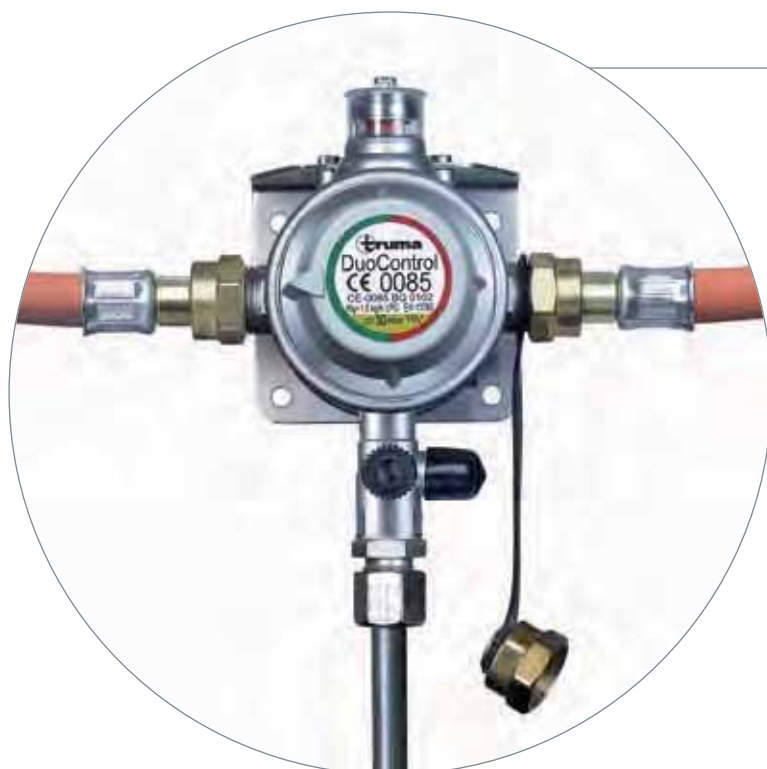
Truma also offers products that ensure maximum safety for your gas system if you're using the heating function while stationary. However, please note, that devices such as DuoControl and the caravan regulator may only be used in vehicles manufactured from 2007 onwards if no heating is required whilst driving. These useful gas regulators can be used without restrictions in vehicles manufactured in 2006 or before (with vested rights protection). Please observe the additional information concerning the use of heating facilities whilst driving.

Attention: Truma gas pressure regulation systems must not be used in confined spaces. They must be installed by an authorised expert only.

DuoControl

Stop for twice as long

DuoControl is a changeover valve and gas pressure regulator in one, making it the ideal choice for extended periods where your gas system will be stationary. If the gas in the operating cylinder starts to run low, the intelligent mechanism automatically changes over to the reserve cylinder. This ensures a continuous supply of gas, so there's nothing to prevent all your gas-powered devices from running non-stop.



- For straightforward upgrading of your gas supply to a two-cylinder system
- With visual display indicating the status of the operating cylinder (empty/full)
- Manual selection of operating cylinder using control knob
- Available in 30 mbar and 50 mbar versions

Attention:
Only permitted for stationary heating in the case of vehicles manufactured from 01/2007 onwards.
High-pressure hoses without hose rupture protection are only suitable for stationary operation

Caravan regulator

For added safety. The Truma caravan regulator, featuring a manometer as standard, is a universal regulator which is easy to install not only in caravans and motor homes, but also in commercial vehicles.



- **Guarantees a constant pressure of 30 mbar or 50 mbar**
- **Integrated overpressure protection limits the output pressure to max. 150 mbar**
- **Fitted with a combination connection for gas cylinders from 3 kg to 33 kg**

High-pressure hoses without hose rupture protection

Get connected wherever you are. Truma high-pressure hoses are available in many country-specific versions as well as in two different lengths. They are the perfect fit for a diverse range of cylinder valves and their high-quality workmanship ensures maximum safety.



More practical accessories

These high-quality original Truma accessories for gas systems cater to every need – even those of recreation experts.

Device pressure controller VDR 50/30

A new solution for tried-and-tested systems

With the device pressure controller VDR 50/30, you can bring even gas systems used in older vehicles (manufactured up to 06/02) right up to date, so you have the option of retrofitting a 50 mbar gas system with the latest generation of gas consumption devices. To do this, the device pressure controller VDR 50/30 can easily be inserted into the existing gas line between the shut-off valve and the 30 mbar gas appliance to be supplied.



- **Integrated bypass bore for prescribed gas leak test at the required test pressure of 150 mbar, up to the gas consumption device**
- **Comes with stickers for labelling retrofitted devices for service**
- **Approved for all standard LP gas appliances used in caravanning applications**



Gas remote switch

Shutdown has never been so easy. With a Truma gas remote switch, switching off the gas supply from inside is easy – so there's no need to access the cylinder box or shut off the gas cylinders. Super-convenient and super-safe.



- **Interrupt the gas supply without getting out of the vehicle**
- **A convenient addition to single and two-cylinder systems**
- **Power consumption just 40 mA (when open)**

BBQ point

Gas-powered comfort even outside the vehicle? It's easy with the BBQ point. This enables external gas appliances such as gas grills or lights to be connected – the only additional equipment you need is a gas pipe with an 8 mm diameter.

- Suitable for an operating pressure of 30 or 50 mbar
- Extremely easy one-handed operation
- Simply connect devices to the coupling valve



Valves and connections

Perfect gas distribution. Gas is only useful if all the consumers connected can be supplied safely and without encountering any problems at any point. That's why Truma offers a wide range of sophisticated accessories for ensuring safe, proper and straightforward operation of your gas system.

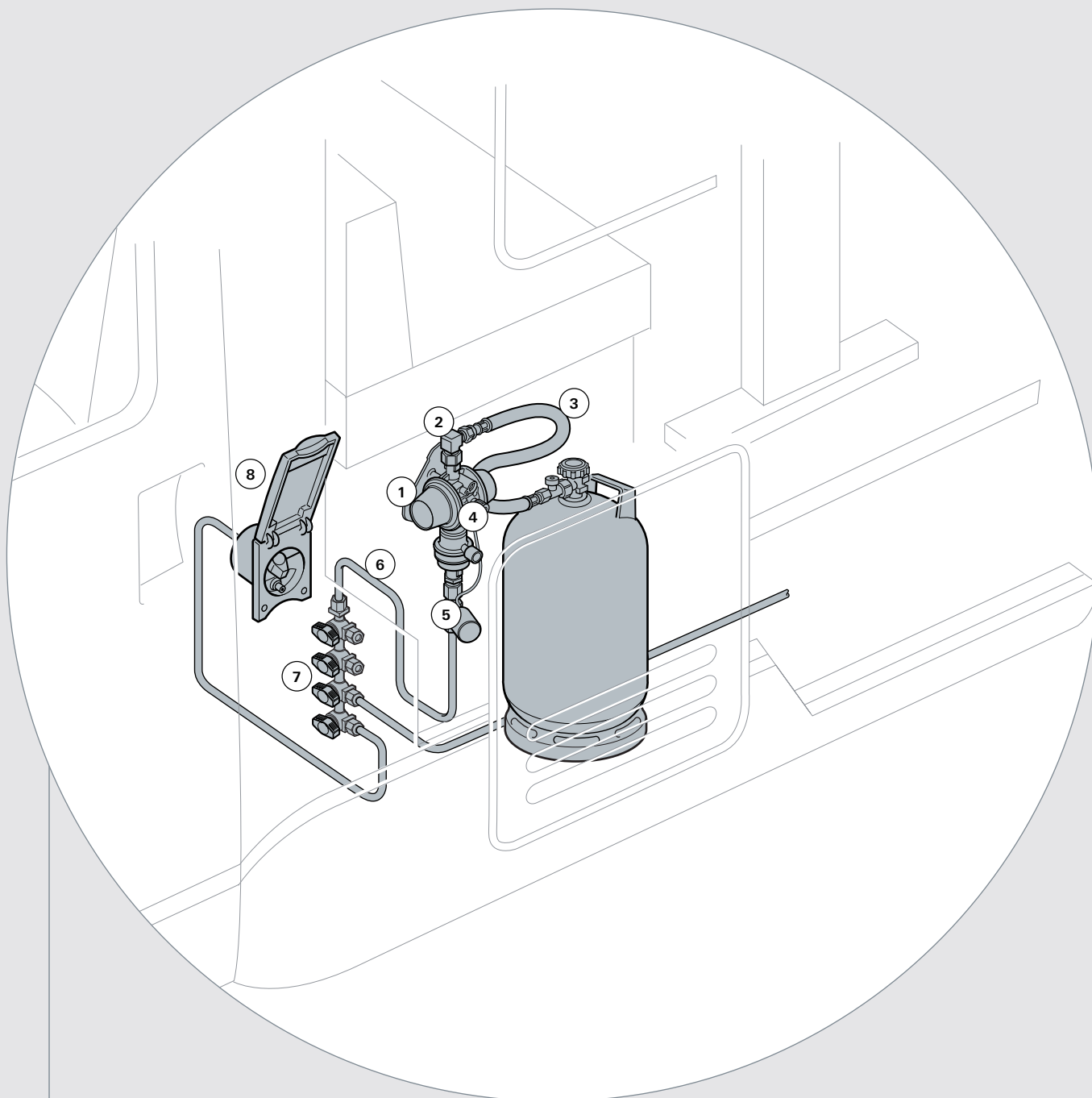
- Quick-acting valves for shutting off gas lines rapidly
- Manifold valves for central connection of multiple gas appliances
- Coupling valves for connecting external gas cylinders or consumers (such as a gas grill)
- Secure assembly and connection without screw connections or T-pipes
- Clear arrangement of gas appliances thanks to switching knob labelling



Installation overview

Graphic

Here you can see a graphical example of how Truma gas supply products are installed and the accessories recommended for them.



- 1. MonoControl CS
- 2. 90° elbow union
- 3. High-pressure hose with HRP
- 4. EisEx

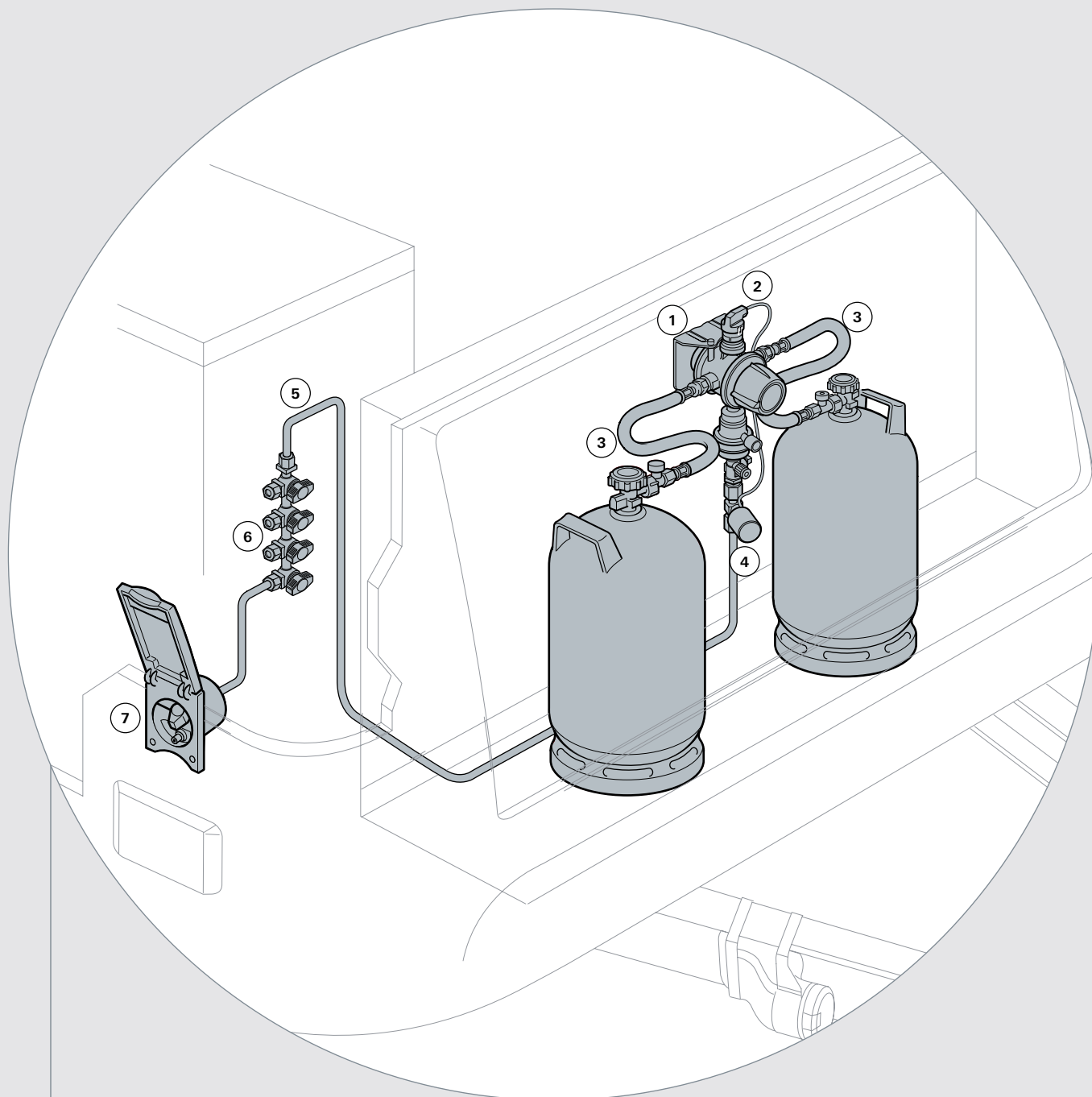
- 5. Gas remote switch
- 6. Gas pipe
- 7. Manifold distributor VK 4-10
- 8. BBQ point



Installation overview

Graphic

You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.



- 1. DuoControl CS
- 2. Remote indicator DuoC incl. EisEx
- 3. High-pressure hoses with HRP
- 4. Gas remote switch

- 5. Gas pipe
- 6. Manifold distributor VK 4-10
- 7. BBQ point


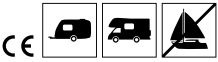




Heating on the move

Product overview: DuoControl CS

DuoControl CS for two-cylinder gas systems

Safety gas pressure regulation system with integrated crash sensor (CS). **Not** for use with commercial vehicles in accordance with BGV D 34. Regulator inlet M20 x 1.5 (G.5), regulator capacity 1.5 kg/h and integrated test point.

Note: The type of downstream gas line has no effect on the integrated crash sensor function. Since this new technology is extremely easy to install, it also **simplifies retrofitting** in existing caravans and motor homes. Please pay attention to the installation position.










Product	Part no.	Description	
 		DuoControl CS vertical For vertical installation on a stable wall of the gas cylinder box	
	51610-01	DuoControl CS , 30 mbar, 10/8 mm	
	51610-02	DuoControl CS , 50 mbar, 8 mm	
 		DuoControl CS horizontal For horizontal installation on the top of the gas cylinder box	
	51620-01	DuoControl CS , 30 mbar, 10/8 mm	
	51620-02	DuoControl CS , 50 mbar, 8 mm	

Product overview: MonoControl CS

MonoControl CS for single-cylinder gas systems

Safety gas pressure regulation system with integrated crash sensor (CS), activation value 3.5 g \pm 0.5 g, regulator inlet M 20 x 1.5 (G.5), regulator capacity 1.5 kg/h and integrated test point. Also for use with commercial vehicles in accordance with **BGV D 34**.






Note: The type of downstream gas line has no effect on the integrated crash sensor function. Since this new technology is extremely easy to install, it also **simplifies retrofitting** in existing caravans and motor homes. Please pay attention to the installation position.

Product	Part no.	Description	
 		MonoControl CS vertical For vertical installation on a stable wall of the gas cylinder box Note: For upgrading to a two-cylinder system, the DuoComfort automatic changeover valve can be added to the MonoControl CS.	
	52410-01	MonoControl CS, 30 mbar, 10/8 mm	
	52410-02	MonoControl CS, 50 mbar, 8 mm	
 		MonoControl CS horizontal For horizontal installation on the top of the gas cylinder box Note: For upgrading to a two-cylinder system, the DuoComfort automatic changeover valve can be added to the MonoControl CS.	
	52420-01	MonoControl CS, 30 mbar, 10/8 mm	
	52420-02	MonoControl CS, 50 mbar, 8 mm	
MonoControl CS gas tank			
 	52420-21	MonoControl CS, 30 mbar, 10 mm	
	52420-22	MonoControl CS, 50 mbar, 8 mm	

Product overview: DuoComfort

DuoComfort

Automatic changeover valve for adding to SecuMotion or MonoControl CS single-cylinder systems or a wall-mounted gas pressure regulator type EN 61-DS from GOK in order to upgrade to a two-cylinder system (use with other gas pressure regulators is **not** permitted). In combination with a gas pressure regulator with integrated safety device, the DuoComfort complies with all regulations for heating whilst driving. Also for use with commercial vehicles in accordance with **BGV D 34**.






Product	Part no.	Description	
    	51500-01	DuoComfort	

Product overview: SecuMotion






SecuMotion for single-cylinder gas systems

Wall-mounted gas pressure regulation system with integrated gas flow monitor (GFM). Only available with output pressure of 30 mbar. Regulator inlet M 20 x 1.5 (G.5), regulator outlet 10 mm or 8 mm olive screw connection. Also for use with commercial vehicles in accordance with **BGV D 34**.

Note: The integrated crash sensor function is dependent on the type of downstream gas line and is therefore **unsuitable for retrofitting**.

    	52300-01	SecuMotion 0.8 kg/h , 30 mbar, 8 mm	
	52300-02	SecuMotion 0.8 kg/h , 30 mbar, 10 mm	
	52300-03	SecuMotion 1.2 kg/h , 30 mbar, 10 mm	
	52300-04	SecuMotion 1.5 kg/h , 30 mbar, 10 mm	





Note: For upgrading to a two-cylinder system, the DuoComfort automatic changeover valve can be added to SecuMotion (see above).

    	SecuMotion for connection to the gas tank Changeover valve for combined connection of the gas tank and gas cylinders. See page 97.		
	52300-05	SecuMotion 1.5 kg/h , 30 mbar, 10 mm For connection to the gas tank	

Attention: Truma gas pressure regulation systems must not be used in confined spaces (e.g. within the home). They must only be used in conjunction with high-pressure hoses featuring hose rupture protection. They must be installed by an authorised expert only.







Accessories

Comfort accessories for gas pressure regulation systems

Product	Part no.	Description	
	50210-01	Remote indicator DuoC With integrated EisEx and 6 m wiring harness for DuoComfort, DuoControl CS and DuoControl	
	34300-01	Extension cable, 5 m For control panel (not illustrated)	
	53101-01	EisEx, 12 V , to prevent regulator icing (For inserting in the existing hole in the regulator.) For MonoControl CS, DuoControl CS, SecuMotion, DuoComfort and DuoControl (on/off switch not included in scope of delivery).	
	53100-01	EisEx, 12 V , to prevent regulator icing (For attachment.) For use with Truma caravan regulator or older gas pressure regulators (on/off switch not included in scope of delivery).	
	53110-01	Transformer plug TEX, 12 V, 4 W For operating the remote indicator and/or EisEx with 230 V	


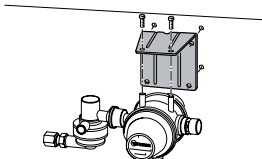

High-pressure hoses with HRP

Truma high-pressure hoses are available in various country-specific versions as well as in two lengths. An overview of the relevant countries can be found on the packaging.

Length 450 mm			
	50410-01	HP gas hose with HRP, G.12, DE	
	50410-02	HP gas hose with HRP, G.7, GB Propane	
	50410-03	HP gas hose with HRP, G.2, FR Shell	
	50410-04	HP gas hose with HRP, G.1, IT Liqui	
	50410-05	HP gas hose with HRP, G.10, SE Pol	
	50410-06	HP gas hose with HRP, G.8, EU Shell	

Accessories


High-pressure hoses with HRP

Product	Part no.	Description	
	Length 750 mm (only for use with LP gas cylinders on a pull-out device)		
	50420-01	HP gas hose with HRP, G.12, DE	
	50420-02	HP gas hose with HRP, G.7, GB Propane	
	50420-03	HP gas hose with HRP, G.2, FR Shell	
	50420-04	HP gas hose with HRP, G.1, IT Liqui	
	50420-05	HP gas hose with HRP, G.10, SE Pol	
	50420-06	HP gas hose with HRP, G.8, EU Shell	
	50020-61300	HP gas hose with HRP, 1.5 m With combination connection for external 11 – 33 kg gas cylinders (not illustrated)	
Installation accessories for gas pressure regulation systems			
	50020-18100	Bracket For horizontal installation of the MonoControl CS on a stable wall of the gas cylinder box	
	50020-56000	90° elbow union For installation e.g. between MonoControl CS or SecuMotion and DuoComfort or HP gas hose where space is restricted	


Accessories

Installation accessories for gas pressure regulation systems


Additional kit for large distances between gas cylinders (the scope of delivery does not include the Ø 10 mm gas pipe which is also required)

Product	Part no.	Description	
	50020-61100	Additional kit DuoC For use with DuoControl (CS) or DuoComfort in the case of distances of more than 100 cm between cylinders	
	50020-26900	Additional kit Duomatic Plus For use with Duomatic (L) Plus (date of manufacture up to 12/2007) in the case of distances of more than 65 cm between cylinders	



Changeover valve

	25140-01	Changeover valve UV 10 For Ø 10 mm gas pipe, for combined connection of the gas tank and gas cylinders	
---	----------	--	--








Remote indicator

 CE	50201-01	Remote indicator, retrofit kit For gas pressure regulator set Triomatic, 12 V, date of manufacture up to 2007. To prevent malfunctions occurring in the gas system during winter operation, the remote indicator can be supplemented with one or two EisEx devices, 12 V (part no. 53100-01).	
---	----------	---	--

Gas installation accessories

	50610-01	Flexible gas hose W 40 1/4" LH 8 mm olive screw connection (cold-resistant, 40 cm long)	
	50650-01	Flexible gas hose W 40 1/4" LH 10 mm olive screw connection (cold-resistant, 40 cm long)	
	39010-28600	Gas pipe Ø 8 x 1 mm (EN 10305-3) Plastic-laminated (6 m roll)	
	39010-28500	Pipe clips EOS 8 With rubber lining and screw (10 per pack)	
	39030-13200	Gas pipe Ø 10 x 1 mm (EN 10305-3) Plastic-laminated (PU rod, 3 m in length)	
	39030-13400	Pipe clips EOS 10 With rubber lining and screw (10 per pack))	

Accessories

Gas installation accessories			
Product	Part no.	Description	
	10160-00	Straight union G 8 For 8 mm gas pipe	
	10161-00	Straight union G 10 For 10 mm gas pipe	
	50040-11900	Straight reducer union G 10/8 10 mm/8 mm	
	50000-06500	Straight reducer union Z 8/RVS 10, 8 mm pipe stud, 10 mm olive screw connection	
	50020-04000	Straight reducer union Z 10/RVS 8, 10 mm pipe stud, 8 mm olive screw connection	
	10170-00	Elbow union W 8 For 8 mm gas pipe	
	10171-00	Elbow union W 10 For 10 mm gas pipe	
	50020-70500	Elbow reducer union W 10/8 (not illustrated)	
	10170-02	Elbow union Z 8 / RVS 8, 8 mm pipe stud, 8 mm olive screw connection	
	10180-00	T-union T 8 For 8 mm gas pipe	
	10181-00	T-union T 10 For 10 mm gas pipe	
	10111-00	T-reducer union T 10/8 (10 mm x 8 mm x 10 mm)	
	10190-00	Cross union KR 8 For 8 mm gas pipe	
	10690-00	Truma paste 400 (25 g tube) Heat-proof sealing and sliding paste for threaded and olive screw connections	



Heating whilst stationary with gas pressure regulation systems

Product overview: DuoControl



DuoControl for two-cylinder gas systems

Wall-mounted gas pressure regulation system with automatic changeover from empty operating cylinder to full reserve cylinder. **Not** for use with commercial vehicles in accordance with BGV D 34.

Regulator inlet M20 x 1.5 (G.5)

Regulator outlet olive screw connection 10/8 mm



Regulator capacity 1.5 kg/h, with integrated test point.

Product	Part no.	Description	
	51510-01	DuoControl , 30 mbar	
	51510-03	DuoControl , 50 mbar	
			

Product overview: Caravan regulator

Caravan regulator with manometer for single-cylinder gas systems



Regulator inlet with combination connection for 3 to 33 kg gas cylinders, regulator outlet 1/4" LH, regulator capacity 1.5 kg/h. Also for use with commercial vehicles in accordance with **BGV D 34**.

	52140-02	Caravan regulator with manometer, 30 mbar	
	52140-01	Caravan regulator with manometer, 50 mbar	
			

Accessories






High-pressure hoses without HRP

Truma high-pressure hoses for connection to DuoControl are available in various country-specific versions as well as in two lengths. An overview of the relevant countries can be found on the packaging.

Product	Part no.	Description	
	Length 450 mm		
	50400-01	HP gas hose, G.12, DE	
	50400-02	HP gas hose, G.7, GB Propane	
	50400-03	HP gas hose, G.2, FR Shell	
	50400-04	HP gas hose, G.1, IT Liqui	
	50400-05	HP gas hose, G.10, SE Pol	
	50400-06	HP gas hose, G.8, EU Shell	
	Length 750 mm (only for use with LP gas cylinders on a pull-out device)		
	50430-01	HP gas hose, G.12, DE	
	50430-02	HP gas hose, G.7, GB Propane	
	50430-03	HP gas hose, G.2, FR Shell	
	50430-04	HP gas hose, G.1, IT Liqui	
	50430-05	HP gas hose, G.10, SE Pol	
	50430-06	HP gas hose, G.8, EU Shell	



Accessories

Pressure controller VDR 50/30





Product	Part no.	Description	
    	52150-01	Device pressure controller VDR 50/30 For using 30 mbar devices in 50 mbar systems. One pressure controller is required for each device. Not for use with commercial vehicles in accordance with BGV D 34.	

Note: The pressure regulator is approved for all LP gas appliances used in caravan applications (not for mobile homes or central gas supplies on campsites).




Gas remote switch

 		Gas remote switch, 12 V, compl. with 1.5 m connecting cable and control panel for single and two-cylinder gas systems with optimised gas flow rate of up to 2 kg/h Attention: Gas remote switches may only be used if you have ensured that all gas appliances are fitted with a safety pilot. This is the case with the latest Truma heaters and hot water devices, for example.	
	57013-01	Gas remote switch GS 8, Installation on Ø 8 mm gas pipe	
	57023-01	Gas remote switch GS 10, Installation on Ø 10 mm gas pipe	

Accessories

BBQ point			
Product	Part no.	Description	
	23290-02	BBQ point ivory	
	23290-01	BBQ point white	
	23290-03	BBQ point black	
	23251-01	Coupling quick-acting valve KV 8	
	23270-01	Branch coupling quick-acting valve AKV 8	
	39010-04500	Gas hose W 100 For coupling valves with coupling nozzle and union nut R 1/4" LH	





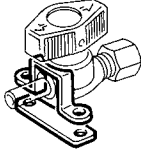
Attention: BBQ points are only suitable for extracting gas, not for feeding it into the gas system.

Valves and accessories			
	23110-01	Quick-acting valve K 8 Ms Both ends 8 mm	
	23210-01	Quick-acting valve K 10-8 Ms Inlet 10 mm, outlet 8 mm	
	23130-01	Quick-acting valve K 10 Ms Both ends 10 mm	
	23111-01	Quick-acting valve K 8 Ms Both ends 8 mm with screw-on flange	
	24113-01	Manifold valve VK 2-8 Inlet 8 mm, with 2x 8 mm outlets	
	24114-01	Manifold valve VK 2-10 Inlet 10 mm, with 2x 8 mm outlets	



Accessories

Valves and accessories

Product	Part no.	Description	
	24133-01	Manifold valve VK 3-8 Inlet 8 mm, with 3 x 8 mm outlets	
	24134-01	Manifold valve VK 3-10 Inlet 10 mm, with 3 x 8 mm outlets	
	24153-01	Manifold valve VK 4-8 Inlet 8 mm, with 4 x 8 mm outlets	
	24154-01	Manifold valve VK 4-10 Inlet 10 mm, with 4 x 8 mm outlets	
	Blanking plugs for closing free outlets		
	20000-19600	Blanking plug BS 8 mm	
	20000-21700	Blanking plug BS 10 mm	
	Connectors for connecting two valve manifolds to one another		
	20000-46900	Connector 8-8 mm	
	20000-47000	Connector 10-10 mm	
	20000-47100	Connector 10-8 mm	
	20000-22900	Bow strap 17 mm For securing quick-acting valves	
	20000-22700	Spacer 2 mm For 17 mm bow strap	

37° 43' N

RELIABLE POWER SUPPLY.

EXACTLY WHERE YOU WANT IT.





POWER SUPPLY

Just because you're on the move, this doesn't mean you have to give up your home comforts – Truma's power supply products give you more freedom than ever before.

Whether you're using it for your coffee machine or air conditioning system, cooling or heating devices, at a campsite or even out in the wilderness – we'll make sure a power supply is there for you and your devices, whatever the time or place; thanks to a perfectly harmonised system that provides reliable, optimised control for the power supply in your recreational vehicle.

So there's no need to miss out on the comforts of home even when you're on holiday.

Power comfort on the move

Technology for more freedom

In today's world we are seeing a growing trend towards on-board devices: televisions, computers, refrigerators and air conditioning units are often all incorporated into recreational vehicles as a matter of course. This means that perfectly harmonised devices are an indispensable part of guaranteeing a seamless and safe power supply. Whatever the motor home or caravan, the system components required for ensuring this are supplied directly from Truma and thus satisfy Truma's renowned quality standards. As a result, we can offer you the utmost safety and keep equipment running reliably for the long haul.



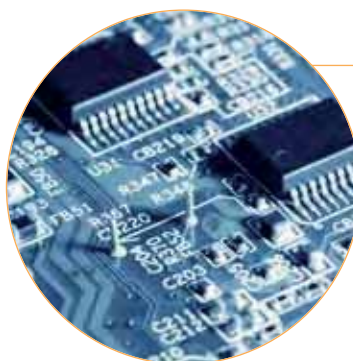
**Optimum protection
of persons, con-
sumers and batter-
ies**



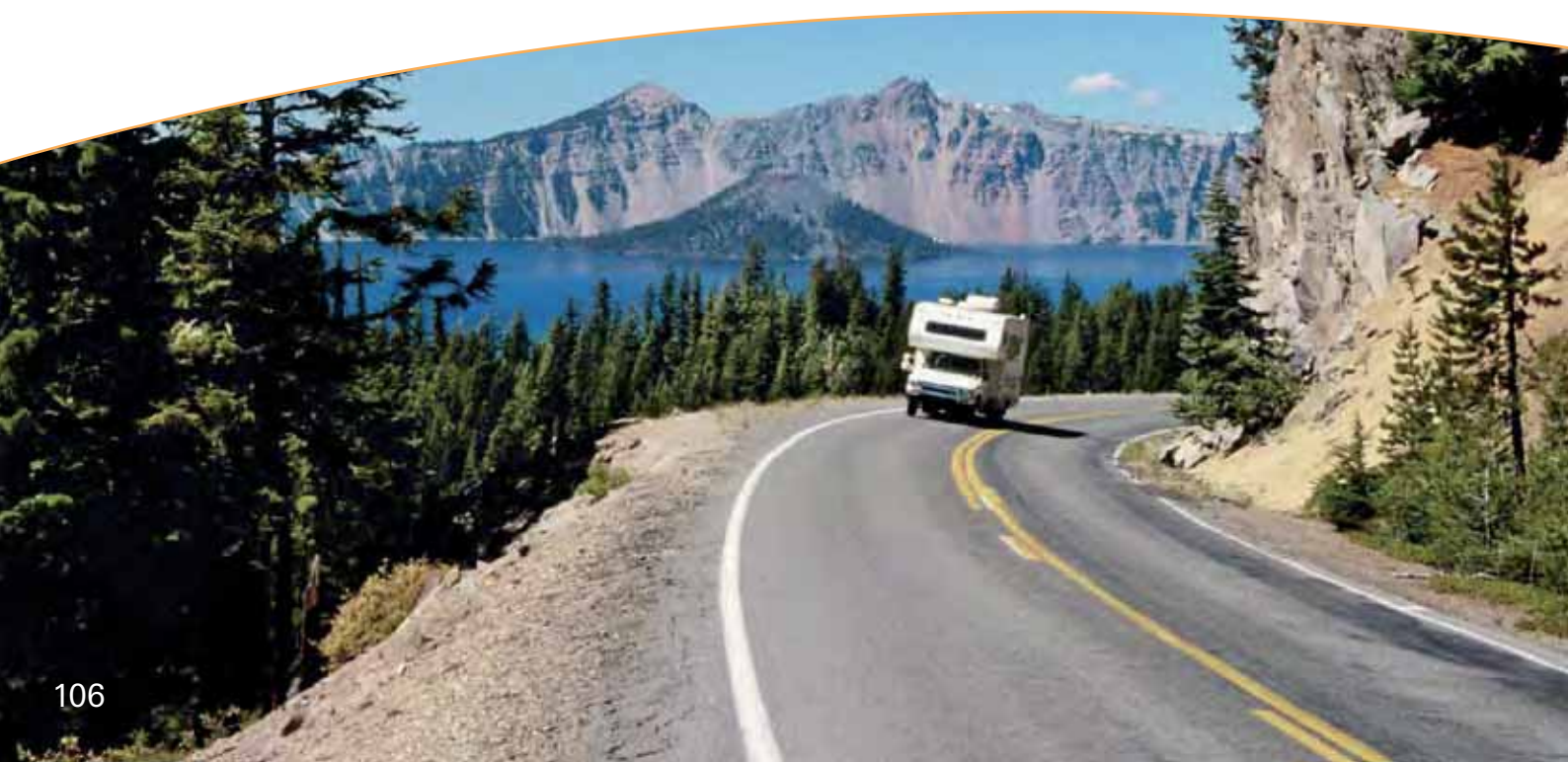
**Maximum power
availability – even
under tough
conditions**



**Truma provides
quality components
working in perfect
harmony**



**Long service life
thanks to state-of-
the-art technology**



TG 1000 sinus power inverter

For perfect sine-wave voltage

To enable you to use everyday devices even whilst you're on the move, you'll often need a 230 V voltage source. But what do you do if all you have is the on-board electrical power supply? We have the solution. The Truma TG 1000 sinus power inverter converts the 12 V battery voltage into a pure 230 V sine-wave voltage. Whether you're using it with phones, computers or air conditioning systems, this equipment lets you operate devices with a power consumption of up to 1000 W independently of the external electrical power supply.



- Automatic detection of 12 V or 230 V input voltage
- Pure 230 V sine-wave voltage for sensitive consumers
- Continuous operation for all devices up to 1000 W
- Option of using 230 V devices whilst on the move, by means of the alternator
- Integrated power supply priority switching with rapid voltage synchronisation

The intelligent add-on for Truma air conditioning systems. For more information, please refer to the "Air conditioning systems" section.

OPTIMA® YT S battery

Packed with power – in 55 Ah or 75 Ah versions

Maximum power, maximum performance. As well as being entirely maintenance-free, Optima® YT S batteries offer a whole host of advantages compared to conventional batteries:



- Maximum power and extremely fast re-charging with Truma charging devices
- Long service life thanks to corrosion-resistant connections
- Innovative spiral cell technology enables extremely high power drawing
- Up to 15 times more resistant to harsh movement thanks to shock-proof polypropylene housing
- No leakage thanks to fixed electrolyte and integrated fleece
- Can be installed in any position thanks to leak-proofing properties
- Can be stored for extended periods (e.g. over winter) without problems
- Maximum vibration resistance

Automatic Charger: A new generation

High-tech for your battery

Together, the Automatic Charger BC 630 IU (which is suitable for all standard batteries) and its perfect partner the Panel BC (430, 630, 860) are the ideal way to ensure you have a permanent power supply whilst you're on holiday. They make charging easier and more transparent, automatically compensating for voltage fluctuations and immediately recharging any power drawn from the system. This latest power supply technology is helping set new technological standards:



- **BC 630 IU charges using state-of-the-art microprocessor-controlled technology**
- **Automatic compensation for voltage fluctuations**
- **Panel BC (430, 630, 860) displays the battery's various charging phases**
- **Charging faults are clearly indicated by LEDs**
- **Consumed power is recharged immediately**
- **Silent charging**



Mains protector NP 3000

More reliable protection against overvoltages. All devices that use a 230 V power supply are at permanent risk due to the voltage peaks that occur on a regular basis. This is where the mains protector NP 3000 comes in. It offers an effective method of preventing your devices from sustaining damage as a result of overvoltages.



- **Automatic shut-off in the event of an overvoltage**
- **Rapid reactivation after just 6 seconds**
- **Illuminated display to indicate readiness for operation**
- **Test button for checking device is working properly**
- **Can be used with all voltage sources that are in use**
- **Easy to install in the on-board electrical power supply**

Electrical ballast PS 50 Automatic

A supply you can rely on. This high-quality electrical ballast is ideally suited to supplying power directly to water pumps, fans, light bulbs and many other 12 V DC consumers in your caravan.

- Automatic priority switchover of input voltages to mains operation
- High output thanks to efficient ventilation in the housing



Voltage booster VB 10

The perfect balance. This voltage booster compensates for differences in voltage between the starter and supply battery. Its constant output voltage of 14.2 V and 7 A of power can charge the supply battery in next to no time whilst you're on the move – and there's no risk of over-charging.

- Disconnects power-hungry consumers from the starter battery when the motor is turned off
- Suitable for gel or liquid electrolyte batteries



Control Panel CP V

Always up to speed. This battery control panel enables you to check the voltage of two 12 V batteries (e.g. a starter and supply battery) quickly and easily. A three-colour LED strip also ensures you always know exactly what's happening.



Control Panel CP W and filling level sensor

Keeping you up to date at all times. The Control Panel CP W is used to display the filling level of the fresh water and waste water tanks. The current filling level is called up by pressing a pushbutton; it is measured by either the 5-stage fresh water filling level sensor or the 5 contact sensors installed on the side of the waste water tank. This too enables you to get an overview of the current situation at all times, as the filling level is displayed by means of an LED strip with 4 different stages.

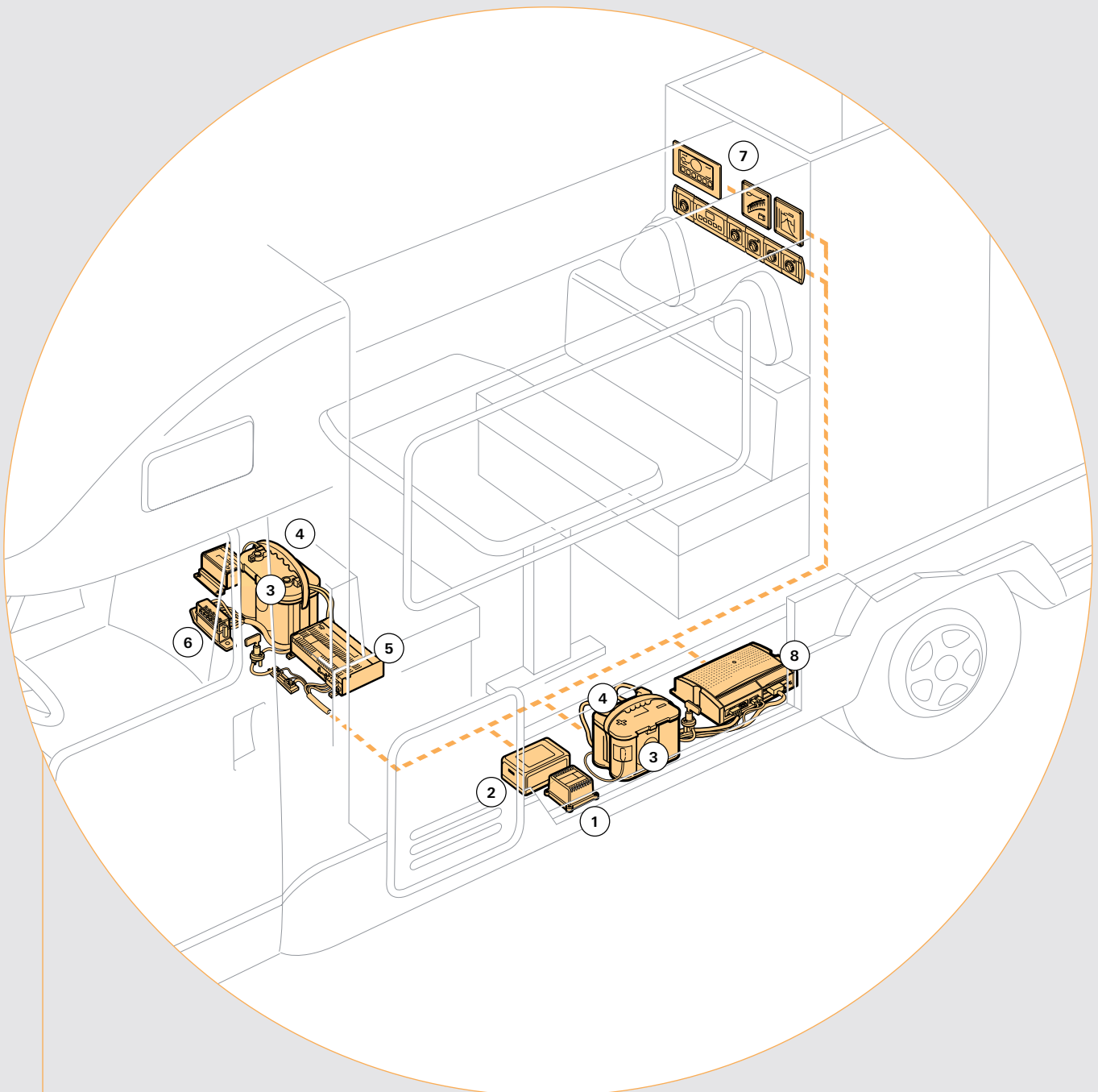


Installation overview

Graphic

Here you can see a graphical example of how Truma power supply products are installed and the accessories recommended for them.

You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.




- 1. Automatic cutout AC-P 10 A/30 mA
- 2. Mains protector NP 3000
- 3. Optima® YT S 4.2 battery
- 4. Quickpower terminal clamps

- 5. Automatic Chargers BC 616 IU/BC 630 IU
- 6. Fuse block for 6 fuses
- 7. Control Panels
- 8. TG 1000 sinus power inverter






Product overview: Power inverter

TG 1000 sinus power inverter

Product	Part no.	Description	
 CE	40090-81000	TG 1000 sinus power inverter For operating air conditioning systems whilst on the move (Saphir compact, Saphir vario) and when stationary (Saphir vario), or for independent use of 230 V devices up to a maximum power consumption of 1000 W. (Connecting cable not included in scope of delivery.) Please order the necessary cable sets along with this.	
Input voltage	10.5 V to 14.8 V DC voltage (supply battery)		
Output	1000 W at 45°C ambient temperature (continuous operation)		
Output voltage	230 V $\pm 5\%$ AC voltage (sine-wave)		
Weight	Approx. 2.0 kg		
Dimensions in mm	L 300 x W 160 x H 72		

Accessories



Cable sets

	40090-23100	Electrical Kit For integrating the TG 1000 sinus into the on-board electrical power supply	
	60010-54500	Cable protection, Ø 25 mm, fixed length 2 m (not illustrated)	
	40090-25900	Air Conditioning Kit Turns the Saphir vario or Saphir compact into an intelligent air conditioning system. The TG 1000 sinus automatically detects whether the air conditioning system is being operated from the socket, via the alternator or (Saphir vario) from the battery.	
	40090-26200	Autarky Kit For independent use of 230 V devices up to a maximum power consumption of 1000 W	
	40090-26800	Switch Box Kit For switching between air conditioning mode and independent mode	

Product overview: OPTIMA® YellowTop® batteries

OPTIMA® YellowTop® batteries

These entirely maintenance-free OPTIMA® YellowTop® batteries from global market leader **Johnson Controls** combine the properties of a starter battery with those of a supply battery thanks to the Spiralcell® technology.

Product	Part no.	Description	
	47100-01	OPTIMA® YT S 4.2 battery	
	47100-02	OPTIMA® YT S 5.5 battery	


Note: The Mover® PowerSet (Plus) is available for Truma Mover® equipment; see page 16.

	OPTIMA® YT S 4.2	OPTIMA® YT S 5.5
Voltage	12 V	12 V
Capacity	55 Ah	75 Ah
Length	254 mm	325 mm
Width	175 mm	165 mm
Height (with poles)	200 mm	238 mm
Weight	19.5 kg	26.5 kg

Accessories


Battery temperature sensors

Enable temperature-guided battery charging when used in combination with a suitable Automatic Charger.


Product	Part no.	Description	
	C11000-00700	Temperature sensor I/A/B 2 m For battery with 2 m connecting cable and mounting accessories	
	C11000-00800	Temperature sensor I/A/B 6 m For battery with 6 m connecting cable and mounting accessories	

Quickpower terminal clamps


Quickpower terminal clamps ensure battery connections can be disconnected and connected quickly, easily and cleanly. Suitable for all DIN and SAE-compliant connections.

	C11000-02100	Quickpower terminal clamps	
Load capacity	150 A continuous load, 800 A short-term load		
Cable cross-section	Up to 35 mm ²		
Resistance	Approx. 0.12 mohms at 10 A		
Type	Plus terminal = red, minus terminal = blue		

Mover® FuseSet

	C11000-07300	Mover® FuseSet The Mover® FuseSet consists of two fuse holders with appropriate fuses integrated for the measurement cable (2 A) and main charging cable (30 A).	
---	--------------	--	--

Battery holder

	47000-00800	Battery holder for OPTIMA® YT battery This battery holder ensures batteries can be fixed in place quickly and easily. Suitable for OPTIMA® YT S 4.2 and OPTIMA® YT S 5.5.	
---	-------------	---	--



Product overview: Automatic Chargers

Automatic Chargers

Automatic Chargers with the state-of-the-art microprocessor-controlled switching technology for parallel and buffering mode. Time and current-controlled IUoU charging characteristic. Suitable for liquid or gel/AGM batteries. Current drawn from the system is recharged immediately. Mains supply fluctuations are compensated. Reduction in charging current if the device becomes too hot. Temperature-controlled battery charging.



Main charging	Up to 14.4 V (temperature-guided as an option)
Trickle charging	13.8 V (temperature-guided as an option)
Recharging	4 h with liquid electrolyte batteries 10 h with gel/AGM batteries
Equipment	Electronic polarity reversal and overload protection B+ measurement cable input via cage tension spring clamp 230 V input via inlet connector for non-heating appliances Plug connection for optional battery temperature sensor Changeover switch between liquid or gel/AGM batteries Function display via integrated LED or Panel BC connection

Automatic Chargers – BC 416 IU/BU 616 IU


Product	Part no.	Description	
	C12501-01	Automatic Charger BC 416 IU With one output	
	C12701-02	Automatic Charger BC 616 IU With two outputs, option of Panel BC (616)	
Voltage input	230 V (180 V – 250 V) ~, 50 – 60 Hz		
Charging current	Max. 16 A		
Battery capacity	50 Ah – 160 Ah		
BC 416 IU equipment	Charging current connections via cage tension spring clamps, clamp range 6 mm ²		
BC 416 IU scope of delivery	1 m mains power supply cable, attachment screws and cable lugs, snap ferrite		
BC 616 IU equipment	As with BC 416 IU plus second charging output (e.g. for starter battery) Integrated cut-off relay Automatic D+ detection Plug connection for Panel BC (616)		
BC 616 IU scope of delivery	As with BC 416 IU plus fuse holder with 30 A fuse		
Dimensions in mm	L 220 x W 210 x H 90		
Weight	1.3 kg		

Product overview: Automatic Chargers

Automatic Chargers – BC 430 IU/BC 630 IU

Product	Part no.	Description	
	C12501-02	Automatic Charger BC 430 IU With one output, option of Panel BC (430, 630, 860)	
	C12701-01	Automatic Charger BC 630 IU With two outputs, option of Panel BC (430, 630, 860)	
Voltage input	230 V (195 V – 250 V) ~, 50 – 60 Hz		
Charging current	Max. 30 A		
Battery capacity	100 Ah – 300 Ah		
BC 430 IU equipment	Charging current connections via cage tension spring clamps, clamp range 16 mm ² Plug connection for Panel BC (430, 630, 860)		
BC 430 IU scope of delivery	1 m mains power supply cable, attachment screws and cable lugs, 1x 40 A fuse with fuse holder, 1x 2 A flat plug fuse with fuse holder		
BC 630 IU equipment	Second charging output (e.g. for starter battery) Integrated cut-off relay Automatic D+ detection or D+ measurement cable from alternator Plug connection for Panel BC (430, 630, 860)		
BC 630 IU scope of delivery	As with BC 430 IU plus fuse holder with 2x 40 A fuses		
Dimensions in mm	L 302 x W 173 x H 100 (without mounting feet)		
Weight	3 kg		


Automatic Charger – BC 860 IU

	C12901-01	Automatic Charger BC 860 IU With three outputs, option of Panel BC (430, 630, 860)	
Voltage input	97 V – 250 V ~, 50 – 60 Hz		
Charging current	Max. 60 A distributed across outputs 1 to 3		
Battery capacity	200 Ah – 600 Ah		
Equipment	Charging current connections via screw nuts Plug connection for Panel BC (430, 630, 860) CAN bus connection		
Scope of delivery	1 m mains power supply cable, fuse holder with 3x 60 A fuses, attachment screws and cable lugs		
Dimensions in mm	L 400 x W 290 x H 110		
Weight	4.5 kg		

Accessories for Automatic Chargers


Panel BC (616)

Panel for displaying charging activity and parallel connection to the starter battery in conjunction with Automatic Charger BC 616 IU with 2 battery outputs.

Product	Part no.	Description	
	C14301-02	Panel BC (616)	
Scope of delivery	7-pin control cable, 5 m, attachment screws		
Dimensions in mm	W 100 x H 80 x D 20		
Weight	35 g		

Panel BC (430, 630, 860)


Panel for displaying charging phases, parallel connection with the starter battery and any charging malfunctions, in conjunction with Automatic Chargers BC 430 IU, BC 630 IU or BC 860 IU.

	C14301-03	Panel BC (430, 630, 860)	
Scope of delivery	4-pin control cable, 5 m, attachment screws		
Dimensions in mm	W 54 x H 45 x D 25		
Weight	15 g		

Product overview: Mains supply monitoring devices


Mains protector NP 3000 (protection unit)

Overvoltage protection unit for 230 V consumers. Protects devices against damage resulting from voltage peaks (e.g. generators in the electrical power supply).

Product	Part no.	Description	
	C13391-01	Mains protector NP 3000	
Voltage input	130 V – 300 V ~		
Voltage output	230 V (max. 270 V) ~		
Power	3.8 kW continuous operation		
Voltage-resistant	Up to 1800 V		
Equipment	Automatic shut-off in the event of an overvoltage, reactivation after 6 seconds, test function via red button to check whether device is working properly, green control lamp to indicate readiness for operation, 1 m connecting cable		
Scope of delivery	Attachment screws		
Dimensions in mm	L 135 x W 125 x H 75		
Weight	600 g		

Automatic cutout AC-P 10 A/30 mA (protection unit)


Automatic cutout with earth leakage circuit breaker. TÜV and GS-tested. Protects mains cables in the event of an overload or short-circuit and prevents electric shocks if anyone should come into contact with the mains supply.

	C13381-01	Automatic cutout AC-P 10 A/30 mA	
Equipment	2-pin automatic cutout, triggered in the event of an overload at 10 A earth leakage circuit breaker, with shut-off at 30 mA, screw connections and strain relief for inputs and outputs, terminal strip for protective conductor and potential compensation		
Scope of delivery	Attachment screws, crimped sleeved ends		
Dimensions in mm	L 135 x W 125 x H 80		
Weight	500 g		

Product overview: Control Panels


Control Panel CP V

Battery control panel for measuring voltage of two 12 V batteries (e.g. starter and supply battery) via a three-colour LED strip.

Product	Part no.	Description	
	C14201-02	Control Panel CP V	
Voltage input	10.8 – 16 V		
Equipment	LED strip, three-colour, battery I or II selector switch, plug connectors on the rear of the circuit board, polarity reversal protection		
Scope of delivery	5 m measuring cable set for 2 batteries, attachment screws		
Dimensions in mm	W 100 x H 80 x D 20		
Weight	100 g		


Control Panel CP W

Control panel to indicate the filling level of the fresh water and waste water tank. The filling level is called up by pressing a pushbutton; it is measured by the 5-stage fresh water filling level sensor or the 5 contact sensors installed on the side of the waste water tank (hole diameter 9.5 mm). The results are displayed by a 4-stage LED strip.

	C14201-03	Control Panel CP W	
Voltage input	10.8 – 16 V		
Equipment	LED strip, tank I or II selector switch, plug connectors on the rear of the circuit board		
Scope of delivery	5-stage filling level sensor for fresh water, contact sensors for waste water, 5 m battery cable set, 2 tank cable sets of 5 m each, attachment screws		
Dimensions in mm	W 100 x H 80 x D 20		
Weight	100 g		

Control Panel CP F

Switch panel for main switch and four thermally triggered miniature circuit breakers (overcurrent circuit breakers) for fuse protection of 12 V consumer circuits.

	C14201-04	Control Panel CP F	
Spannung	12 V \equiv DC voltage		
Equipment	Main switch 20 A, loadable, four 12 V circuits, I = 10 A, II = 7 A, III = 7 A, refrigerator = 12 A (not via main switch)		
Scope of delivery	Flat connectors, attachment screws		
Dimensions in mm	W 100 x H 80 x D 80		
Weight	80 g		

Product overview: Transformers

Electrical ballasts for supplying any 12 V consumers from the 230 mains power supply with automatic switchover from mains operation to travelling operation. The MES 250/400 and MES 350 versions are not compatible with one another.

MES 350 Module A2/A3



MES 350 Module A2




MES 350 Module A3

The A2 and A3 modules are installed **directly by the vehicle manufacturer** and can be individually expanded to include Module B and the MES Module A/B panel.

MES 350 Module B


Expands Module A2 to include an Automatic Charger function if the caravan is to be operated independently and has its own supply battery. Thanks to the integrated solar control, Module B also offers the option of connecting up to two solar panels, undervoltage monitoring equipment and a voltage booster for more efficient battery charging. Expansion is carried out simply by means of plug connections; the basic cabling is retained.

Product	Part no.	Description	
	C13101-02	MES 350 Module B	
Equipment	Supply battery and solar panel connected via cage tension spring clamps. Plug connections for starter battery (10/11) and battery temperature sensor. Changeover switch between liquid or gel/AGM batteries. Interfaces to Module A (A2) and MES Module A/B panel.		
Charging current mains operation	23 A (MES 350 A 2), 36 A (MES 350 A 2 and A 3 – 200 W) IUoU characteristic		
Solar charging current	Max. 12 A, 2 panels of 85 W each		
Booster charging current	Max. 10 A		
Undervoltage monitoring	Off at 10.8 V, on at 12.5 V		
Dimensions in mm	L 250 x W 140 x H 100		
Weight	1.9 kg		

MES Module A/B panel

Display and switch panel used in conjunction with Module B. Shows the battery voltage and filling level of the fresh water tank by means of LEDs in different colours to indicate stages. Limit value display when the waste water tank is 3/4 full.

Function display for charging activity and illuminated main switch with EMERGENCY ON function.

	C13201-01	MES Module A/B panel	
Equipment	Interface to Module B Plug connections for fresh water and waste water tank sensor		
Dimensions in mm	W 88 x H 93 x D 20		
Weight	70 g		

Product overview: Electronic Management

Electronic Management EM 16 IU and EM 30 IU

Multifunctional Electronic Management (EM) for motor homes with a charging unit that uses state-of-the-art switching technology. Time and current-controlled IUoU charging characteristic. Current drawn from the system is recharged immediately.

Mains supply fluctuations are compensated. Reduction in charging current if the device becomes too hot. Either the Panel EM Digital or the Panel EM LED can be used as the perfect add-on.





All system components are perfectly harmonised with one another and can be combined.



Main charging	Up to 14.4 V (temperature-controlled as an option)
Recharging	4 h with liquid electrolyte batteries, 10 h with gel/AGM batteries
Trickle charging	13.8 V (temperature-guided as an option)
Equipment	<p>Electronic polarity reversal and overload protection</p> <p>Tremat switch (automatic battery parallel connection)</p> <p>230 V fuse protection by means of circuit breaker/earth leakage MCB (for protection of persons)</p> <p>230 V input/output via lockable Wieland plug connections</p> <p>Screw connection for potential compensation</p> <p>Plug connection to Panel EM Digital or Panel EM LED</p> <p>Plug connection for external battery temperature sensor</p> <p>Changeover switch for 12 V refrigerator operation, for absorber or compressor mode</p> <p>6x 12 V circuits with fuse protection, outgoing via multi-pin MNL plug connectors</p> <p>12-pin MNL plug connectors for input batteries one and two, measurement cables B+ und D+ (from alternator), minus and charging current line</p> <p>Changeover switch between liquid or gel/AGM batteries</p>
Scope of delivery	Mains supply input/output plug with contacts. 12 V input plug, MNL, 12-pin pre-assembled, cable strand, consumer with distributor terminal, withdrawal tool for flat plug fuses, attachment screws and washers

Product overview: Electronic Management

Electronic Management EM 16 IU

Product	Part no.	Description	
	C12301-01	Electronic Management EM 16 IU	
Voltage input	230 V (180 - 250 V) ~, 50 - 60 Hz		
Voltage output	12 V 		
Charging current	Max. 16 A		
Battery capacity	50 Ah – 160 Ah		
Additions to scope of delivery outlined above	MNL 4-pin plug with contacts for additional 12 V distribution		
Dimensions in mm	L 275 x W 190 x H 115		
Weight	2.1 kg		

Electronic Management EM 30 IU


	C12301-02	Electronic Management EM 30 IU	
Voltage input	230 V (195 – 250 V) ~, 50 – 60 Hz		
Voltage output	12 V 		
Charging current	Max. 30 A		
Battery capacity	100 Ah – 300 Ah		
Dimensions in mm	L 302 x W 173 x H 145 (without mounting feet)		
Weight	3.7 kg		

Electronic Management accessories

Panel EM Digital

For switching and monitoring all important functions in motor homes; practical addition to Electronic Management systems EM 16 IU and EM 30 IU, with digital display for voltage of two 12 V batteries. Filling level indicator for fresh water and waste water tank in five stages. Automatic monitoring of the filling levels with warning function if the level of the fresh water tank is too low or if the filling level of the waste water tank exceeds 3/4. Charging activity display for the Electronic Management system. Mains connection indicated by a plug symbol; charging control displayed at the same time. Symbol display for parallel charging of starter and supply battery. Integrated battery monitor function with pre-warning level indicated by a symbol. Buttons for

- Panel EM LED; on and control switch for the consumer relay in the Electronic Management system and EMERGENCY ON function for short-term supply to consumers when the battery is low
- Pump control system
- Temperature query; inside and outside temperature
- Tank query; fresh water and waste water
- Optional control function

Product	Part no.	Description	
	C14101-01	Panel EM Digital	
Scope of delivery	Filling level sensor with stages, for fresh water and waste water tanks (tank height 380 mm) 5-wire tank cable (5 m) for fresh water and waste water sensor 7-wire information cable (5 m) for EM 16 IU or EM 30 IU Temperature sensor (5 m) for inside and outside temperature Attachment screws		
Dimensions in mm	W 138 x H 90 x D 40		
Weight	130 g		

Panel EM LED


For switching and monitoring all important functions in motor homes; practical addition to Electronic Management systems EM 16 IU and EM 30 IU, with illuminated display for voltage of two 12 V batteries. Filling level indicator for

- Fresh water tank (five stages) and waste water tank (one stage)
- Filling level of waste water tank as a limit value at 3/4-full

LED display for

- Charging activity of Electronic Management system
- Parallel charging of starter and supply battery
- Switch setting of main and pump switch



Integrated battery monitor with EMERGENCY ON function for short-term supply to consumers when the battery is low, via the main switch. Pump central switch.

	C14201-01	Panel EM LED	
Scope of delivery	Filling level sensor with stages, for fresh water tank (tank height 380 mm); 5-wire tank cable (5 m) for fresh water sensor, two water tank sensors (rubber) for waste water tank, 2-wire tank cable (5 m) for waste water sensors, 7-wire information cable (5 m) for EM 16 IU or EM 30 IU, attachment screws		
Dimensions in mm	W 198 x H 92 x D 15		
Weight	135 g		



Product overview: Control units

Charging current distributor CCD 70

Charging current distributor for charging up to three separate batteries at the same time. A dedicated charging current source can be provided for each battery or all of the batteries can use the same current source. If any of the batteries reaches a voltage of more than 13.8 V, the batteries are interconnected. If the battery voltage drops below 13 V, the batteries are automatically disconnected from one another.



Product	Part no.	Description	
	C13451-01	Charging current distributor CCD 70	
Voltage input	10 – 15 V 		
Switching current	Max. 70 A		
Continuous current	50 A		
Equipment	10 mm ² screw connections, 6.3 mm plug connection		
Scope of delivery	6.3 mm flat connector, attachment screws		
Dimensions in mm	L 98 x W 88 x H 44		
Weight	180 g		

Charging current distributor CCD 120

	C13451-02	Charging current distributor CCD 120	
Voltage input	10 – 15 V 		
Switching current	Max. 120 A		
Continuous current	120 A		
Equipment	25 mm ² screw connections, 4 mm plug connection		
Scope of delivery	Attachment screws		
Dimensions in mm	L 205 x W 145 x H 85		
Weight	1 kg		

D+ Detector


For automatic detection of the alternator charging process. Alternatively, if the D+ control contact of the alternator is difficult to access or is not present.

	C13331-01	D+ Detector	
Voltage input	10 – 15 V 		
Voltage output	12 V		
Load	1 A		
Power consumption	1.7 mA		
Equipment	Electronic, short circuit-resistant polarity reversal and overload protection, 0.5 m connecting cable to the battery (2-pin) and 1.5 m connecting cable to the Automatic Charger or relay (1-pin).		
Scope of delivery	6.3 mm flat connector, 2 cable ties		
Dimensions in mm	L 45 x W 30 x H 15		
Weight	50 g		


Product overview: Control units

Battery monitor BCU 35

Battery monitors protect the battery against deep discharge and protect sensitive devices against undervoltage by shutting down consumers automatically. These devices are connected between the battery and consumer.

Product	Part no.	Description	
	C13301-01	Battery monitor BCU 35	
Switching current	Max. 35 A via bistable relay		
Equipment	Connection for external EMERGENCY ON switch		
Scope of delivery	Screw terminals for inputs and outputs		
Dimensions in mm	L 98 x W 88 x H 44		
Weight	140 g		

Battery monitor BCU 120


	C13301-02	Battery monitor BCU 120	
Switching current	Max. 120 A via bistable relay		
Equipment	B+ and minus measurement cable, plug connector for Panel BCU (120)		
Scope of delivery	Screw terminals for inputs and outputs		
Dimensions in mm	L 205 x W 145 x H 85		
Weight	1 kg		

Panel BCU (120)

Panel BCU (120)

Low-voltage warning device as an accessory for the BCU 120

- Flashing red LED (activated at 11 V) warns that the BCU 120 consumer output is about to be shut off
- Audible intermittent signal sounds as soon as shutdown has taken place (at approx. 10.8 V)


	C14301-01	Panel BCU (120)	
Scope of delivery	5 m connecting cable, attachment screws		
Dimensions in mm	L 58 x W 40 x H 25		
Weight	50 g		



Product overview: Control units

Control Unit BCO 70


The battery cut-off unit disconnects the starter battery from the supply battery if necessary, both when stationary and whilst on the move. With a protective circuit to provide protection against voltage peaks and polarity reversal, including refrigerator cut-off relay.

Product	Part no.	Description	
	C13461-01	Battery cut-off unit BCO 70	

Switching current	Cut-off relay, max. 70 A
Continuous current	Cut-off relay, 50 A; refrigerator relay, 20 A
Power consumption	1.8 mA from battery for control electronics
Equipment	Terminal strips for inputs and outputs, LED signal connection
Scope of delivery	Attachment screws
Dimensions in mm	L 98 x W 88 x H 44
Weight	180 g

Relay CR 70

High-performance cut-off relay with integrated protective circuit, for protecting the alternator against polarity reversal and eliminating voltage peaks. Disconnects the starter battery from the supply battery once the motor is turned off.


	C11000-00600	Relay CR 70	
---	--------------	--------------------	--

Switching current	Max. 70 A
Continuous current	50 A
Scope of delivery	Flat connectors and attachment screw
Dimensions in mm	L 26 x W 29 x H 58
Weight	50 g

Accessories for control units




Voltage booster VB 10

Booster with switching technology. Its constant output voltage can charge batteries in next to no time whilst on the move. Features a built-in refrigerator cut-off relay. Suitable for liquid or gel/AGM batteries.

Product	Part no.	Description	
	C13441-01	Voltage booster VB 10	
Voltage input	12 V from starter battery, range 10 – 15 V		
Charging voltage	14.2 V controlled, residual ripple < 1%		
Charging current	7 A, IU characteristic whilst driving		
Battery capacity	Min. 50 Ah		
Equipment	External plug fuses provide protection against polarity reversal and overload Plug fuse for refrigerator output, 6.3 mm plug connections for inputs and outputs		
Scope of delivery	Flat connectors, attachment screws		
Dimensions in mm	L 156 x W 119 x H 66		
Weight	550 g		

Voltage converter DC-A 24/12 V, 35 A

Voltage converter with switching technology for charging batteries in two DC voltage networks (24 V/12 V), with forwards and reverse modes. The starter battery is kept fit for starting if out of use for longer periods. Internal losses and small consumers are compensated. Suitable for liquid or gel/AGM batteries.

	C13341-01	Voltage converter DC-A 24/12 V, 35 A	
Voltage input/output I	21.5 – 28.8 V  from starter battery		
Voltage input/output II	13 – 14.4 V  from on-board battery		
Charging current I	35 A IU characteristic when travelling		
Charging current II	Max. 4 A IU characteristic during mains charging		
Equipment	2.5 mm ² clamp connections, 10 mm ² clamp connections		
Scope of delivery	Attachment screws, cable ties, snap ferrites		
Optional	Temperature sensor for temperature-guided battery charging Operating display via external LED		
Dimensions in mm	L 225 x W 180 x H 100		
Weight	1.65 kg		


Product overview: Electrical ballasts

Electrical ballasts – Power supply


Electrical ballasts with energy-saving function for supplying power directly to 12 V DC consumers in caravans. Automatic priority switchover of input voltages to mains operation. Suitable for supplying power to water pumps, fans and light bulbs, for example. High output thanks to efficient ventilation in the housing. Not suitable for consumers requiring a filtered and stabilised voltage, e.g. audio equipment, electrical controllers and Truma boilers.

Voltage input	230 V AC voltage/50 Hz, 12 V DC voltage from battery
Voltage output	12 V DC voltage
Equipment	Automatic switchover from mains to battery, mains shutdown with manual trigger switch on miniature circuit breaker, mains supply socket, 6.3 mm plug connections for 12 V input/output
Scope of delivery	1 m 230 V cable, insulated flat connectors, attachment screws


Electrical ballast PS 35 Automatic

Product	Part no.	Description	
	C12401-01	Electrical ballast PS 35 Automatic	
Power	35 VA (W), continuous operation		
Dimensions in mm	L 135 x W 125 x H 75		
Weight	1.5 kg		


Electrical ballast PS 50 Automatic

	C12401-02	Electrical ballast PS 50 Automatic	
Power	50 VA (W), continuous operation		
Dimensions in mm	L 135 x W 125 x H 75		
Weight	1.7 kg		

Electrical ballast PS 100 Automatic

	C12401-03	Electrical ballast PS 100 Automatic	
Power	100 VA (W), continuous operation		
Dimensions in mm	L 200 x W 160 x H 100		
Weight	2.5 kg		


Electrical ballast PS 200 Automatic

	C12401-04	Electrical ballast PS 200 Automatic	
Power	200 VA (W), continuous operation		
Dimensions in mm	L 200 x W 160 x H 142		
Weight	4.6 kg		



Accessories

Fuse block for 6 fuses

Fuse block with 6 flat fuses, 6.3 mm. Short-circuit fuse and line protection for battery line and main battery line to prevent cable and vehicle fires.

	C11000-03100	Fuse block for 6 fuses	
Scope of delivery	6 flat fuses: 2x 30 A, 1x 20 A, 2x 10 A, 1x 2 A Attachment screws		
Dimensions in mm	L 230 x W 22 x H 38		

Distributor terminals

	C11000-05400	Distributor terminal 125 A For combining or distributing minus lines	
Connections	Screw terminals with plastic cover, galvanised steel, 1x 35 mm ² , 10x 4 mm ²		
Load capacity	Acc. to GL standard 90 A, acc. to VDE standard 125 A		
Mounting rail	Copper, nickel-plated		
Feet	Plastic, rotating		
Dimensions in mm	L 120 x W 44 x H 58		
	C11000-04200	Distributor terminal 500 A For combining or distributing minus lines, very solid design	
Connections	Screw connections made from nickel-plated brass, 4x M8, 5x M6		
Load capacity	Acc. to GL standard 400 A, acc. to VDE standard 500 A		
Mounting rail	Copper, nickel-plated		
Feet	Plastic, rotating		
Dimensions in mm	L 230 x W 22 x H 38		



57° 16' N 5° 3'

HOT WATER ON TAP.

EXACTLY WHERE YOU WANT IT.





WATER COMFORT

Showering, washing up, doing the laundry – whatever you need hot water for when you're on the move, Truma water heaters will get it to the right temperature in no time at all. Whether you need quite a few litres or just a couple of drops, with Truma you can always be sure of total peace of mind when it comes to meeting your precise water requirements in your recreational vehicle.

Hot water for that cosy feeling

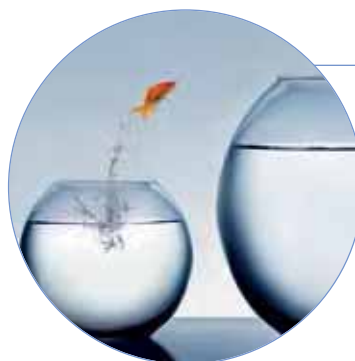
Water comfort from Truma

Tailored for use in recreational vehicles, Truma water heaters warm your water up to the required temperature in the blink of an eye. To do this they use gas, electricity or the warm air from the on-board heater, with their effective insulation then helping to retain the heat for a really long time, without having to consume any more power.

You can choose from various different versions and sizes of heater, depending on your individual hot water requirements, your vehicle type and the kinds of temperature you want to achieve. But no matter which device you pick, you will benefit from Truma's proven technical expertise, so if you want a hot shower, you can just go ahead and take one!



**Extremely short
heating times**



**Large capacity
of up to 14 litres**



**Energy-efficient
heating technology**



Compact dimensions



**For electrical
or gas operation**



**Fast, straightforward
installation**

Electroboiler

Hot water for longer

The electroboiler impresses its users with its high-quality insulation and minimum heat loss: the water temperature drops by just 1°C per hour. Since the water stays hot for a long time, you don't have to hang around waiting for it to re-heat and you also save a lot of energy too.



- Excellent insulation prevents heat loss – just 1°C per hour
- Silent operation
- Large capacity – 14 litres
- Short heating times
- Powerful heating element (850 W)
- Lightweight – just 3 kg
- Straightforward, fast installation
- Materials are compatible with drinking water
- Corrosion-resistant stainless steel tank

Therme

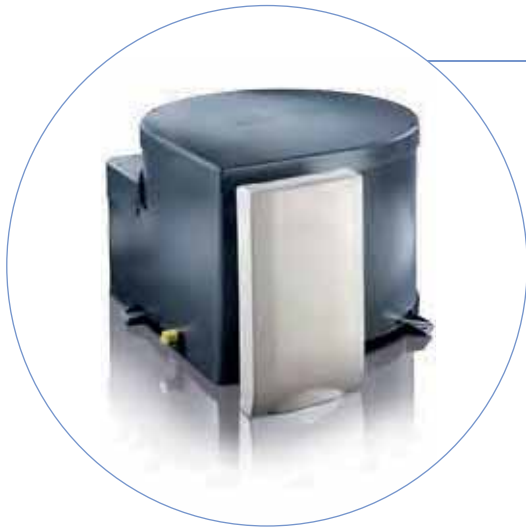
Especially for the caravan. The proven Truma Therme with a 5 litre capacity warms water up using heat from the heating system – a warm air duct runs directly through the device. The Therme also features an electrical heating element (300 W), so water can be warmed up even if you do not have the heating on.



- Efficient use of heat from the heating system
- Short heating times – in electrical operation – from 15°C to 60°C in 50 minutes
- Water temperature infinitely variable up to 65°C
- Compact dimensions
- 5 litre capacity
- Uses materials that are compatible with drinking water
- Lightweight – just 2 kg

Boiler B 10/B 14

Amazingly powerful and cost-effective. The powerful boiler B 10/B 14 heats up water really quickly and cost-effectively by means of a gas burner; so you can enjoy hot water even without a power supply. Depending on your requirements, the water can be infinitely adjusted to temperatures between 30 and 70°C. The insulating housing provides long-term protection from heat loss. In order to achieve even faster heating times, the boiler is also available with an electrical heating element. Plus, you can choose between a 10 litre and 14 litre version.



- **Extremely short heating times – in mixed operation – from 15°C to 70°C in just 25 minutes**
- **Current-free operation by means of a powerful gas burner (1500 W)**
- **Also available with an electrical heating element (850 W)**
- **10 or 14 litre capacity**
- **Water temperature infinitely variable between 30°C and 70°C**
- **Insulation to prevent heat loss**
- **Uses materials that are compatible with drinking water**
- **Corrosion-resistant stainless steel tank**

FrostControl

Perfect protection against frost. The current-free safety/drain valve empties the boiler automatically if there is a risk of frost (i.e. at an ambient temperature of around 3°C) and intermittently in the event of excess pressure via a discharge nozzle. This means the discharge equipment cannot freeze up. Only once the ambient temperature has risen to a safe level where frost is no longer a risk (i.e. an ambient temperature of around 7°C) will the safety/drain valve close again.

- Frost protection – empties the boiler automatically if there is a risk of frost
- Can also be opened manually



**New!
Available
from mid-
September
2010.**





Truma AquaStar

Never go without clean drinking water again: Clean the drinking water system in your recreational vehicle effectively and easily, using the Truma AquaStar method of system maintenance. Not only is it safe for your health, but for the environment too. Algae, bacteria and limescale are removed from your tank, lines and water heaters and germs are removed from the drinking water in the tank very effectively. All Truma AquaStar products are gentle on metals and seals, making them ideal for use in recreational vehicles.

- Chlorine-free sterilisation – with active oxygen and silver
- Safe for the environment and your health
- Pre-dosed for simple, safe application
- Especially for use in recreational vehicles
- Maintenance for drinking water systems and Truma water heaters
- When used together as a complete method of system maintenance, products are even more effective
- For supplying drinking water even in remote locations
- Natural decalcification with citric acid

Truma AquaStar 1 and 2 as a set

Truma AquaStar 1 – Descaler

Descaled drinking water system - water with no taste or smell.

AquaStar 1 is very effective in removing limescale from your drinking water system, along with the bacteria present in the limescale that makes water taste and smell bad. Thanks to its gentle action on metals and seals, AquaStar 1 is particularly well suited to recreational vehicles.

Truma AquaStar 2 – Disinfectant cleaner

Decomposition of biofilms/germs in the drinking water system - protection from bacteria such as legionella when showering.

Thanks to the combined effects of active oxygen and silver, AquaStar 2 is a “two-phase cleaner” that provides outstanding protection. Firstly, the active oxygen penetrates the biofilm (layer of algae) and loosens it from the walls of tanks and lines. This then enables the bacteria present in the biofilm to be reached and killed off by the bactericidal action of the silver.

Truma AquaStar 3

Truma AquaStar 3 – Water steriliser and preserver

Germ-free water – for drinking and brushing your teeth with zero risk. Totally free of chlorine, making it safe for the environment and your health:

AquaStar 3 kills up to 99.9% of pathogenic bacteria and germs in drinking water using active oxygen. Silver ions also keep the water free of germs, algae and odours for up to 6 months.

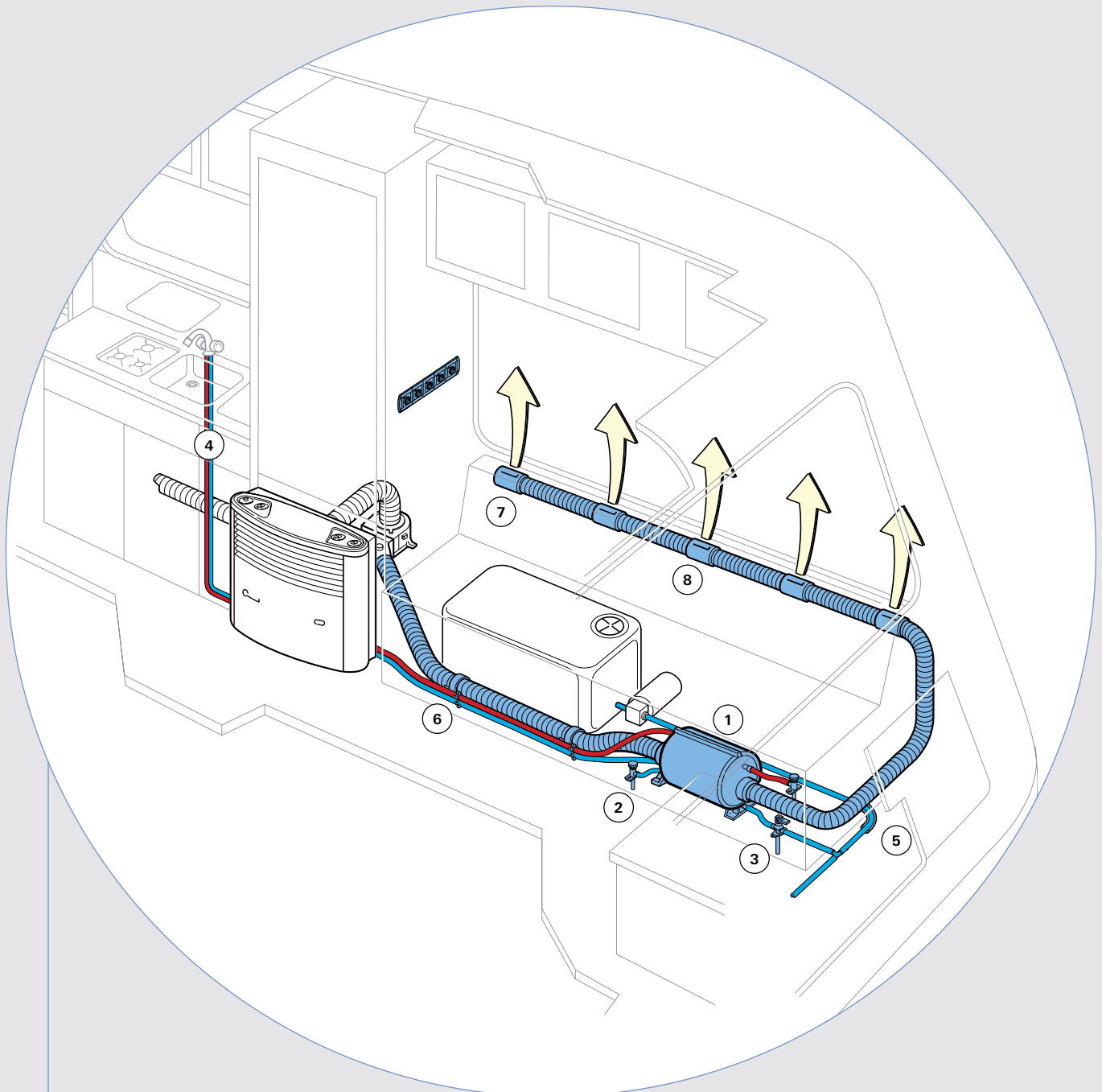
Use biocides safely. Always read the labelling and product information before use.



Installation overview

Graphic

Here you can see a graphical example of how Truma water comfort products are installed and the accessories recommended for them.



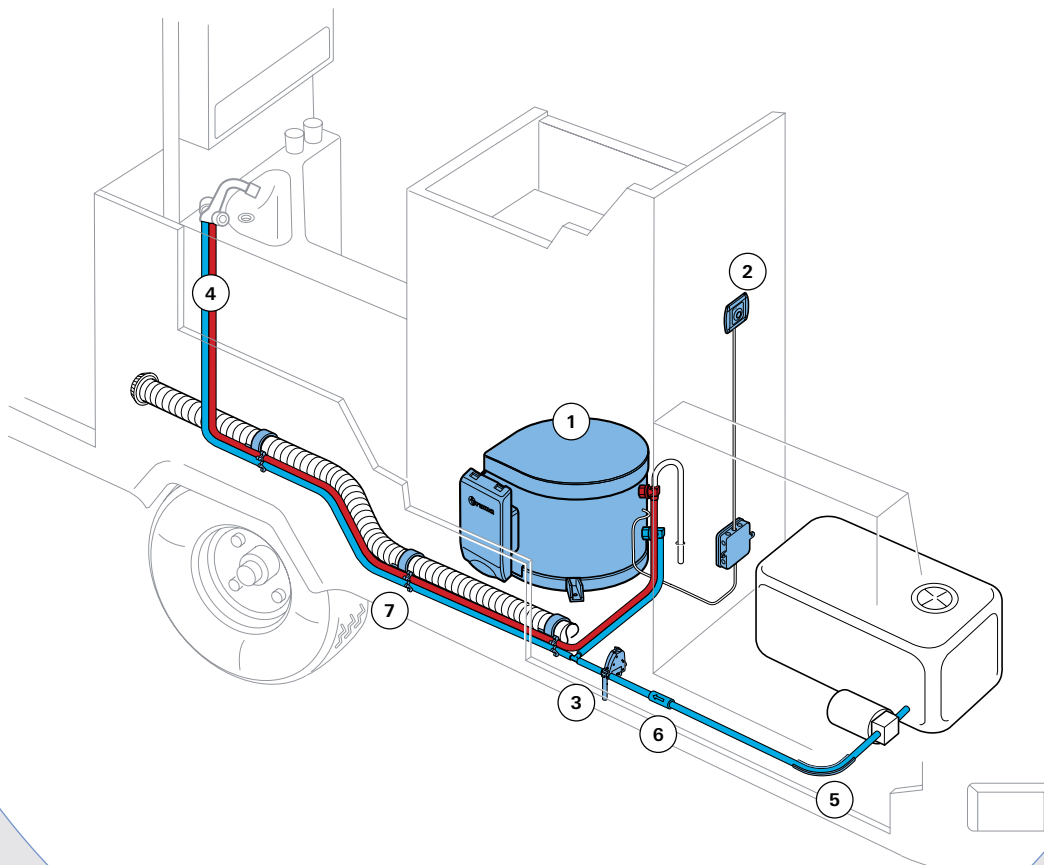
- 1. Truma Therme
- 2. Drain valve
- 3. Safety/drain valve ABO 1.5 bar
- 4. Water hose, drinking water compatible

- 5. Hose guide
- 6. Hose clip SC
- 7. Warm air duct ÜR 65
- 8. Wall outlet vent WL

Installation overview

Graphic

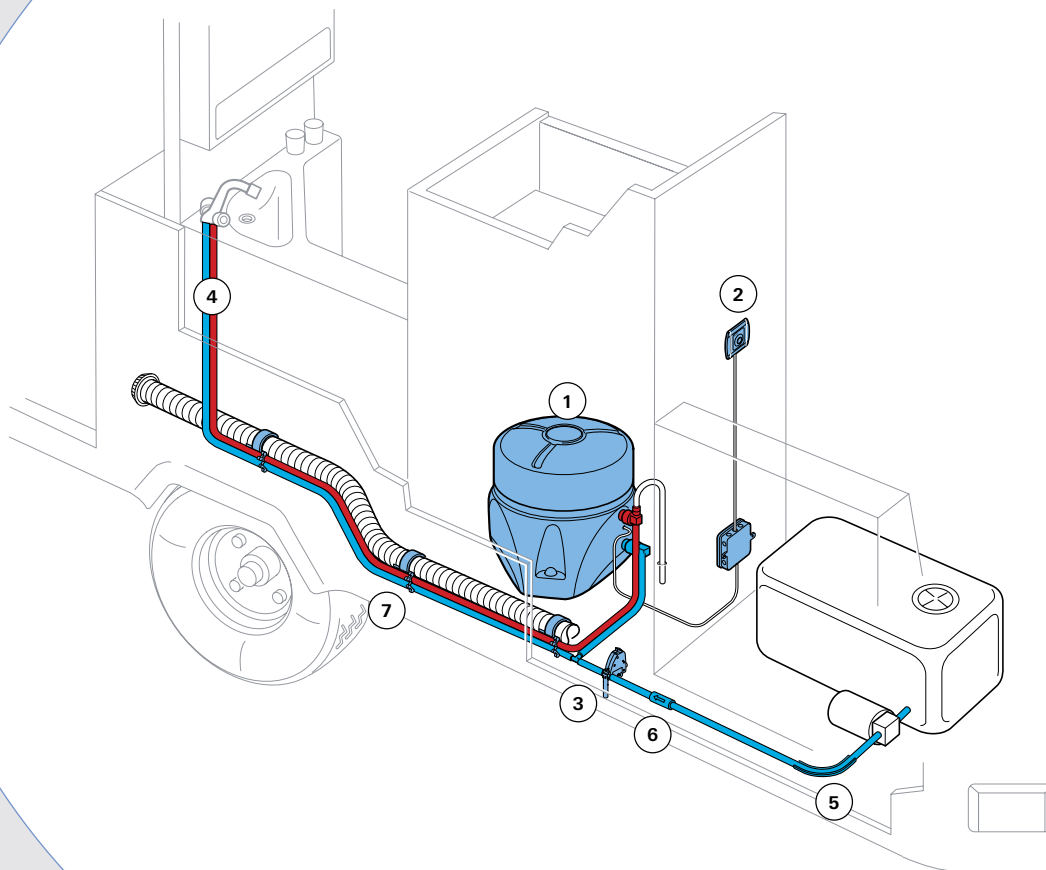
You will find technical details, part numbers, prices and the complete range of accessories for our products on the pages that follow.



- | | |
|--|---------------------|
| 1. Boiler | 5. Hose guide |
| 2. Control panel | 6. Non-return valve |
| 3. FrostControl | 7. Hose clip SC |
| 4. Water hose, drinking water compatible | |

Installation overview

Graphic






- 1. Electroboiler
- 2. Control panel
- 3. FrostControl
- 4. Water hose, drinking water compatible

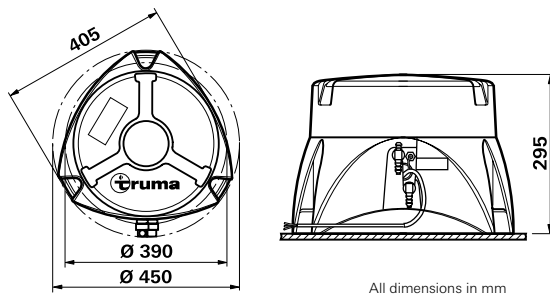
- 5. Hose guide
- 6. Non-return valve
- 7. Hose clip SC

Product overview: Electroboiler

Electroboiler

Product	Part no.	Description	
   CE	71200-01	Electroboiler complete with control panel with 3 m cable and safety/drain valve for 14 litres, with electrical heating element 230 V, 850 W	
		For details of accessories for control panels, see page 142. For details of accessories for the water system, see page 140.	

Technical details






Heating time from approx. 15°C to approx. 70°C	Approx. 70 min.
Water capacity	14 litres
Water pressure	Max. 2.8 bar
Water connections	Pressure-tight hot water hoses Ø 10 mm
Power consumption (230 V)	3.7 A
Weight (without water)	3 kg


Accessories

Electroboiler accessories

Safety/drain valve ABO may also be needed in some installation situations

	70141-02	Safety/drain valve ABO , 2.8 bar, for flexible hoses Ø 10 mm	
	70142-05	Safety/drain valve ABO , 2.8 bar, with Ø 12 mm connection for semi-rigid piping (John Guest System)	
	34020-80200	FrostControl connector for flexible water hose	
	34020-80300	FrostControl John Guest System	




Product overview: Truma Therme

Truma Therme			
Product	Part no.	Description	
	42013-01	Therme TT-2 , complete with control panel, drain valve and breather valve (without mixing valve)	
	Heating time (electrical operation) from approx. 15°C to approx. 60°C	Approx. 50 min.	
	Power supply	230 V ~, 50 Hz	
	Power consumption	1.3 A (300 W)	
	Temperature limit	65°C	
	Dimensions in cm	L 37 x W 22 x H 23	
	Water capacity	5 litres	
	Operating pressure	Max. 1.2 bar	
	Weight (without water)	2 kg	

For details of accessories for control panels, see page 142.






For details of accessories for the water system, see page 140.

Accessories

Therme accessories			
	40020-00900	Drain valve with double connection	
	40020-00300	Mixing valve for Truma Therme	
	70141-10	Safety/drain valve ABO , 1.5 bar, essential when connecting the Truma Therme to a central water supply (city mains)	

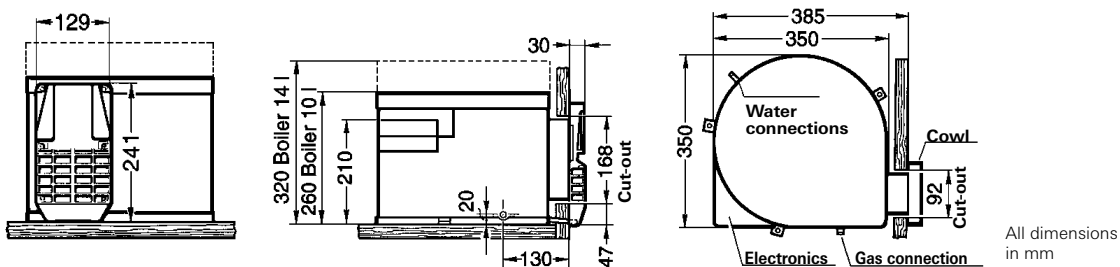
Product overview: Boiler (EL)

Boiler (EL)

Product	Part no.	Description
    		Boiler with cowl cover KBS 3 , control panel with 3 m cable, wall cowl and safety/drain valve.
	73000-01	Boiler B 10 , 10 litre, 30 mbar
	73000-21	Boiler B 10 EL , 10 litre, 30 mbar, with electrical heating element 230 V, 850 W
	73010-01	Boiler B 14 , 14 litre, 30 mbar
	73010-21	Boiler B 14 EL , 14 litre, 30 mbar, with electrical heating element 230 V, 850 W

For details of accessories for control panels, see page 142. For details of accessories for the water system, see page 140. For details of window switch and automatic shut-off equipment (if the exhaust cowl is installed below or beside a window), see page 51.

Technical details

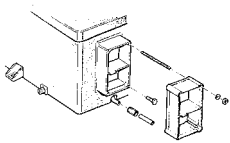



Water connections	Pressure-tight hot water hoses, Ø 10 mm		
Gas consumption	120 g/h		
Power consumption (12 V)	Ignition 0.17 A	0.17 A	
	Heating up 0.08 A	0.08 A	
	Standby 0.04 A	0.04 A	
(230 V/850 W)		3.7 A	
Weight (without water)	Boiler B 10 EL	6.7 kg	
	Boiler B 14 EL	7.3 kg	
Product ID number	CE-0085AP0038		
Heating time*	Gas operation	Electrical operation	Gas and electrical
	For 10 l water	Approx. 34 min.	Approx. 45 min.
	For 14 l water	Approx. 50 min.	Approx. 72 min.

* From approx. 15°C to approx. 70°C







Accessories

Installation accessories

Product	Part no.	Description	
	70000-53500	Cable extension 5 m for control panel (not illustrated)	
	70131-00	Cowl extension VBO 2 , length 50 mm (required for walls thicker than 35 mm)	
	70121-01	Cowl cover KBS 2 , cream, for Truma boiler series 2 + 3 date of manufacture 01/1992 to 06/2006	
	70122-01	Cowl cover KBS 3 , white, for Truma boilers from date of manufacture 07/2006	

For difficult installation situations in a motor home or caravan, the Truma boat boiler with flexible exhaust ducting through the wall or roof can be used.



Accessories for the water system

	70111-01	Water hose Ø 10 mm , blue, drinking water compatible (per metre)	
	70000-27900	Hose clip 12 – 20 mm	
	40712-01	Hose clip SC , agate grey, for securing up to two water hoses or pipes (John Guest System, protected against frost) on the warm air distribution ducts (not on the first 2 m of the warm air duct, measured from the heater).	
	70020-55800	Hose guide for kink-free routing of flexible water hoses	
	70000-03300	Non-return valve for flexible hoses Ø 10 mm (essential extra for immersion pumps)	
	70020-03500	Non-return valve with Ø 12 mm connection for semi-rigid piping (John Guest System)	

Product overview: AquaStar

AquaStar



Truma AquaStar provides everything you need for your recreational vehicle's drinking water system.

Product	Part no.	Description	
	70250-01	AquaStar 1 Descaler 500 g powder (citric acid) for up to 50 l tank volume AquaStar 2 2-part disinfectant cleaner Part 1: 1 x 50 g powder (active oxygen) Part 2: 1 x 15 g powder (silver ions) for up to 50 l tank volume	
	70280-01	AquaStar 3 Sterilisation and preservation 10 x 30 ml liquid (active oxygen and silver ions) for up to 500 l tank volume	

Accessories

Filling level sensors

Sensors for measuring the filling level in 5 stages (0 – 1/4 – 1/2 – 3/4 – 1/1) for the fresh water and waste water tanks. Cannot be used for fuel tanks. Suitable for tanks with an outside height of 380 mm. The contact rods can be modified to the respective tank height as specified in the enclosed shortening table. The filling level query is performed externally at the touch of a button, e.g. via a panel or via the Panel EM Digital.




	C41101-01	Filling level sensor, outer, can be attached to the tank in three ways – 3/4" thread in the tank – 3 screws from above – Attachment nuts from below Scope of delivery: Counter nut and flange seal	
	C41101-02	Filling level sensor, inner, attached to the tank – through the cleaning opening via a screw connection from above Scope of delivery: PG 29 screw connection with sealing ring	



MISCELLANEOUS




Finally, here you will find still more accessories such as control panels, testing kits, lights and special tools.

Accessories

Control panels			
Product	Part no.	Description	
	Surface-mounting frame		
	40000-52600	Surface-mounting frame for standard control panels	
	Cover frame for standard control panels		
	34000-60600	Cover frame , agate grey (standard)	
	34000-67700	Cover frame , black	
	34000-70600	Cover frame , beige	
	34000-67900	Cover frame , platinum	
	34000-67800	Cover frame , gold	
	Cover double frame for standard control panels		
	34000-65300	Cover double frame , agate grey (standard)	
	34000-97000	Cover double frame , black	
	34000-96900	Cover double frame , platinum	
	34000-96800	Cover double frame , gold	

Accessories



Control panels

Product	Part no.	Description	
	Cover frame , large, for time switches		
	34000-65200	Cover frame , large, agate grey (standard)	
	34000-72800	Cover frame , large, black	
	34000-72600	Cover frame , large, platinum	
	34000-72700	Cover frame , large, gold	
	34000-65900	Line-up clip for connecting two cover frames	
	Side part , provides a visually striking way to round off the cover frame (2 units are required)		
	34000-61200	Side part , agate grey (standard)	
	34000-69400	Side part , pearl/light grey	
	34000-61400	Side part , ultramarine blue	
	34000-69600	Side part , ruby red	
	34000-66800	Side part , black	
	34000-71400	Side part , beige	
	34000-66300	Side part , platinum	
	34000-67400	Side part , gold	

Product overview: Lights





Truma gaslight

Truma Nova gaslight NLZS, 30 mbar with thermo-electric safety ignition device (complete with shade SW, bleached, new design, 2 screw-on mantles NG and heat deflector). The Truma Nova gaslight is available with an operating pressure of 50 mbar on request.

Product	Part no.	Description	
 	12311-01	Nova gaslight NLZS , 30 mbar	
Output	Up to approx. 60 W		
Gas consumption	10 – 40 g/h		
Product ID number	CE-0085AQ1055		







Accessories for lights

Accessories for lights

	10200-00	Screw-on mantle NG	
	10000-38000	Surface-mounting fitting for laying the gas supply line on the surface	
	10000-05500	Flint ignitor	
	Shade SW for Nova lights NLZS and NLS, shade SW		
	10310-03	Shade SW , bleached, new design	
	10310-01	Shade SW , white, old design (not illustrated)	



Accessories

Testing kits







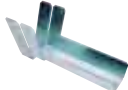
Product	Part no.	Description	
	54100-00	Leak testing kit DP , pressure pump with pressure gauge. For leak testing LP gas systems in vehicles (in accordance with Code of Practice G 607 of the DVGW, the German Technical and Scientific Association for Gas and Water) or boats (in accordance with DVGW Code of Practice G 608), complete with a protective bag and sealing nipple for testing two-cylinder gas systems (pressure limitation at approx. 150 mbar).	
	50040-16000	Additional retrofitting set volume with 600 cm ³ contents for small gas systems that do not reach the required control volume of 700 cm ³	
	Gas hose W 40 or leak testing on vehicles (discountable)		
	50610-01	Gas hose W 40 , 1/4" LH, for 8 mm gas supply line	
	50650-01	Gas hose W 40 , 1/4" LH, for 10 mm gas supply line	
	39010-04500	Gas hose W 100 with coupling nozzle for gas tank regulator with 3-way valve	
	50020-61200	Test hose for all standard test pumps and for the integrated test connection of Truma gas pressure regulators	
	54110-00*	Regulator testing kit RP with precision pressure gauge for testing gas pressure regulators 30 or 50 mbar, fitted in a plastic box	
	50020-04100	Adapter screw connection for connecting regulator test equipment to the test hose (not illustrated)	
	Test adapter , 1/4" LH, also required for testing the appliance regulator 30 mbar or 50 mbar on the Truma Triomatic		
	50040-12900	Test adapter for 8 mm gas supply line (not illustrated)	
	50040-12800	Test adapter for 10 mm gas supply line (not illustrated)	

Accessories

Testing kits

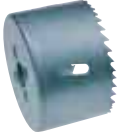


Product	Part no.	Description	
	34020-47500	Diagnosis adapter EDiTH for JE diesel burner, including USB adapter, PC connecting cable (serial interface) and diagnosis cable	
	34020-47800	Diagnosis cable (not illustrated)	
	34020-44700	Filling unit for rapid filling of the diesel fuel line	

Special tools

	34020-45000	Lock washer tool for installing the lock washer if the pipe set for the Combi D needs to be shortened	
	34020-45300	Hose cutter for cutting off the diesel fuel line or the fuel hose	
	50000-13800	Gas-pipe bending pliers for gas pipes Ø 8 x 1 mm	
	50000-16100	Gas-pipe bending pliers for gas pipes Ø 10 x 1 mm	
	50000-14400	Gas-pipe cutter for chip-free cutting of gas pipes Ø 8 mm and 10 mm	
	39010-31800	Pre-cutting key for pre-assembling olives on gas pipes	
	30030-33000	Pipe bender for stainless steel exhaust ducts (Biegeboy)	
	30030-08000	Pipe cutting device for stainless steel exhaust ducts	

Accessories

Special tools

Product	Part no.	Description	
	50000-14500	Bore-crown , Ø 102 mm, for air lead-through E 4000 A	
	50000-17500	Bore-crown , Ø 86 mm, for swivelling air outlet SCW 2	
	50000-13300	Bore-crown , Ø 83 mm, for Combi and Trumatic C wall cowl or Trumatic E 4000 wall, roof and floor cowl	
	50000-14600	Bore-crown , Ø 70 mm, for Trumatic E 2400 wall cowl and Trumatic S 5002 roof cowl	
	50000-14700	Bore-crown , Ø 64 mm, for Trumatic E 2400 floor cowl and end outlet EN	
	50000-14800	Bore-crown , Ø 60 mm, for Trumatic S 2200 (P), S 3002 (P) roof cowl	
	50000-13400	Bore-crown , Ø 54 mm, for control panel installation	
	50000-13500	Bore-crown , Ø 22 mm, for the lead-through of gas pipes and control panel cables	
	50000-13700	Holder for bore-crowns Ø 22 mm	
	50000-13600	Holder for bore-crowns over Ø 25 mm	
	50000-11600	Spare drill bit , 79 mm long, for holder Ø 22 mm	
	50000-12500	Spare drill bit , 84 mm long, for holder Ø 25 mm	

21800411810
PERFECT SERVICE.

EXACTLY WHERE YOU WANT IT.



SERVICE

As the specialist in comfort products for caravans and motor homes, Truma has really left its mark on the modern camping world. We combine the expertise that comes from over 60 years of experience with an inexhaustible thirst for innovation to create top quality products that will impress and excite anyone who loves to camp.

Aside from its products, Truma's service is also without compare: you can contact a Truma ServicePartner or KlimaProfi climate expert and benefit from their know-how at any time. Within Germany, our team of mobile service technicians will come to your aid wherever you are. Additionally, our professional customer service team can also offer advice over the phone or you can pay us a visit at our headquarters in Putzbrunn, Germany, where our service workshop team will find the ideal solution to any problem whatsoever.

Service centres that can support you with advice and practical help are located in 34 countries all around the world, in such far-flung destinations as Iceland, Lithuania and New Zealand. You will find the addresses of all these centres in our comprehensive Truma service manual or in the extensive Service area of our website at www.truma.com. Here you can also learn valuable tips and tricks, view comprehensive product information and download installation and operating instructions for all Truma devices.

Sale and Delivery Conditions

1. General

The following Sale and Delivery Conditions (Conditions) shall apply exclusively to our relationship with business persons, with legal entities under public law and with special funds under public law. Our Conditions shall be deemed to have been agreed once and for all, even if we do not expressly contradict counter-confirmations which deviate from them. Any deviations shall only be deemed valid if we expressly confirm them in writing, and only for the contract concerned. In the event of individual clauses being deemed invalid, the Conditions shall be reduced to the section still deemed valid.

2. Quotations, Conclusions of Contract

Quotations shall remain subject to review unless we expressly confirm otherwise in writing.

Details regarding properties (such as colour, weights, maximum and minimum limits and quantities, illustrations, samples, and the like) are only approximate and approximately determinant, i.e. non-binding outline details, unless we guarantee a specific property in writing. Orders and agreements with our staff, whose quotations, information, and ancillary agreements shall not be binding on us until written confirmation is issued on our part by telegram and telephone, shall only be accepted by us at Purchaser's risk.

3. Delivery and Supply

Delivery periods and delivery dates shall not be binding, and are always understood to be exclusive of the duration of transport. These periods shall be extended by the period of time during which Purchasers are in arrears with the fulfilment of their commitments or obligations. In the event of our not effecting delivery punctually, Purchasers shall only be entitled to withdraw from the contract after the expiry of an appropriate subsequent period of grace for performance has passed without success. Claims for compensatory damages due to infringement of obligation shall be excluded. All risks, including with free delivery, shall be assigned to Purchasers as soon as the merchandise is made ready, and at the latest as soon as it is handed over to the freight forwarders/transporters, or leaves our works or depot respectively.

Deliveries: From EUR 500.-, net, freight and packing paid; for dispatch by rail, carriage paid to the bulk goods handling station of the place of destination; and for deliveries abroad, ex works. Irrespective of this we currently levy a standard goods transport charge of EUR 12,50. Special means of dispatch (express, special delivery) shall in all cases be charged to Purchasers in the full amount. Acceptance of the merchandise by freight forwarders or transporters shall be deemed to constitute proof of perfect packing and loading. In the event of our meeting the freight costs, we shall select the route and method of delivery. In the event of Purchasers bearing the freight costs, we shall determine, as Purchasers' agents, the mode of transport and route, but without any guarantee. We shall be entitled to effect part deliveries. Minimum order value EUR 20,- per order.

In cases of orders for special designs, we shall reserve the right to effect delivery of excess or shortfall of 10 percent.

4. Impediments to Delivery

Instances of force majeure, of technical or other origin, which could substantially restrict our production or the trouble-free processing of the order in question, as well as incapacity to perform on our part or on the part of our suppliers, for which we are not responsible, shall entitle us to withdraw from the contract

in whole or in part, or to postpone delivery. Claims for compensatory damages on the part of Purchasers shall be excluded.

5. Warranty and Guarantee

Complaints in respect of incomplete or incorrect delivery, or complaints in respect of identifiable defects and deficiencies, are to be notified in writing immediately upon receipt of the merchandise, and any other defects or deficiencies immediately upon their being identified. Purchasers shall be obliged to grant rights of recourse in respect of third parties (e.g. appraisal of the state of affairs by the railway authorities). Processing or further sale, or combination or mixing shall be deemed to constitute approval, without reservation. In the event of complaint regarding defect or deficiency being submitted in due time, we shall accept liability within the framework of the provisions set out hereinafter. Our liability in respect of defects or deficiencies (warranty or guarantee) shall extend to the merchandise being exempt of defects or deficiencies corresponding to the state of the art. Natural wear and tear of parts subject to wear shall not fall within our scope of liability. Modifications to design or mode of performance which we effect prior to the delivery of an order shall likewise not grant entitlement to complaint.

Inasmuch as we may have claims under warranty against our suppliers, our own warranty shall be effected by the assignment of these claims to Purchasers, who hereby already accept this assignment for this situation. In the event of no warranty or guarantee against the suppliers coming into consideration, or in the event of the supplier declining to undertake any guarantee in respect of Purchasers, our guarantee shall be restricted to subsequent fulfilment, i.e. at our discretion either replacement delivery or refurbishment. The defective merchandise or replaced parts must be returned to us by the Purchasers. In the event of subsequent fulfilment proving unsuccessful, or if we are not in a position to carry this out, then Purchasers shall be entitled to withdraw from the contract or to reduce the purchase price.

Claims by Purchasers for the reimbursement of costs incurred in the context of pursuit of guarantee claims against suppliers shall in any event be excluded if any measures incurring costs, in particular the initiation of court proceedings, have not been agreed upon with us beforehand.

We shall furnish guarantee for two years from the handover of the merchandise to Purchasers. In the event of our providing subsequent fulfilment during this period, this shall not constitute any recommencement of the term of the guarantee in respect of the repaired or replaced parts.

Independently of the foregoing guarantee arrangement, we (Truma Gerätetechnik GmbH & Co. KG, Wernher-von-Braun-Straße 12, 85640 Putzbrunn) shall offer a guarantee to Purchasers in accordance with the provisions set out hereinafter: The guarantee shall extend to all defects and deficiencies which are attributable to defects in materials or manufacture. The guarantee shall apply for a period of 24 months from delivery of the merchandise, and shall comprise, at our discretion, refurbishment or replacement delivery. The guarantee shall not apply:

- To parts subject to wear and to natural wear and tear;
- To damage to paintwork;
- To damage due to improper handling;
- In the event of the object of supply having been modified by Purchasers or third parties by the installation or fitting of parts of third-party origin;

- If handling or operation instructions have not been followed;
- In the event of changes or defects incurred due to improper storage;
- To damage caused by climatic or other effects.

If we provide performance under guarantee, this shall not indicate any recommencement of the term of the guarantee in respect of the parts repaired or replaced.

6. Liability

Any more extensive warranty and guarantee claims on the part of Purchasers than those cited in Item 5 shall be excluded, irrespective of the legal grounds involved. We shall accordingly not be liable for damage which has not occurred on the object of supply itself, nor for other damage to Purchasers' assets. The limitations of liability in these Conditions do not apply to personal injury; neither do they apply to other damage that is caused by intent or gross negligence or to cases where damage has been caused by the lack of a quality, condition or state guaranteed by us. The exclusion of further liability for compensatory damages shall not apply to claims in accordance with Arts. 1, 4 of the Product Liability Law (Produkthaftungsgesetz).

7. Prices, Fulfilment of Contract, Payment

We shall be entitled to reasonable price increases if, between the conclusion of the agreement and delivery, there are price increases of our suppliers or increases in other costs associated with the goods (including public charges). Every part delivery against payments shall be deemed to constitute a separate transaction in respect of charging and payment.

Our invoices are due for payment as at the invoice date, and are payable without deduction in accordance with the following provisions even in cases of part delivery or complaints. Conditions for domestic deliveries: available for new customers by COD or advance payment until further notice. We retain the right to accept bills of exchange. Rights of reservation of ownership by Purchasers based on another contractual relationship shall be excluded.

In the event of delay in payment we shall charge arrears interest at the conventional bank rate, and pursue further claims. In the event of Purchasers falling behind with the acceptance of the merchandise or into arrears with a due payment, in whole or in part, then we shall be entitled, after the expiry without success of a reasonable period of grace allowed to them, to withdraw from the contract. The right to withdraw shall also pertain if circumstances are known which cause the creditworthiness of the Purchasers to appear questionable. In the event of our withdrawing, we shall be entitled, at Purchasers' expense, to arrange for the merchandise supplied to be identified, stored separately, and collected. Instead of withdrawing, we shall be entitled to prohibit Purchasers from selling, mixing, working or processing the merchandise, to withhold or refuse further deliveries from this and other contracts, in whole or in part, and to demand immediate payment for all deliveries. Our claims for compensatory damages shall remain unaffected thereby.

In respect of Purchasers' transactions with us, we shall be entitled to offset/assign claims against obligations (including balance claims). Our external service personnel are not entitled, without written power of representation, to accept payments or carry out other availments.

8. Right of Reservation of Ownership, Safeguards

Until the payment in full of all claims (including balance claims), which may pertain now or in the future against Purchasers for any legal reason, the following safeguards shall hereby be granted:

Until payment in full of all the claims cited heretofore, the merchandise shall remain our property. Working and processing shall in all cases be effected for us as manufacturers. If the merchandise is mixed, combined, or processed, we shall become joint owners in accordance with the proportion of the value (cost prices). Purchasers shall further assign to us, here and now, their (joint) rights of ownership and possession to the new total entity. Purchasers shall grant our (joint) right of ownership free of charge. We shall release the safeguards at our discretion, inasmuch as their value exceeds the amount of claims in a sustained manner by more than 20 percent.

In the event of Purchasers selling (incorporating, using) our merchandise (worked or processed, mixed or combined, alone or with third-party merchandise), they shall here and now assign to us all claims against their customers, including such as relate to remunerations for work services provided, third-party merchandise, etc., with all safeguards (including rights of ownership and possession), whereby we shall become joint and several creditors, together with possible other jointly entitled parties, and, at the least, shall become part creditors (our claims plus 25 %). Purchasers shall only be entitled to sell our merchandise in accordance with Clause 1 in due and proper commercial transactions, provided that they are dealers and not in arrears. Purchasers shall be entitled, subject to revocation, to recover themselves claims assigned to us, the non-assignability of which to third parties is hereby agreed upon with them, provided they are not in arrears. At our request, Purchasers shall disclose the assignment, and provide us with the information and documentation required.

The purchaser hereby transfers all future claims (e.g. insurance, claims for non-permitted handling) because of our goods to us. The purchaser must notify us immediately (by telephone in cases of emergency) if our rights are infringed. If the purchaser acts in a way that infringes the agreement, we are entitled to demand the return of our goods, even without prior notification of our withdrawal. We are entitled to collect our property (which is subject to retention of title) and enter the storage and usage location for this purpose if the purchaser does not return the products over or such action becomes necessary to prevent destruction or loss of the goods. The purchaser relinquishes the rights to which he would be entitled in the event of unauthorised action.

9. Place of Fulfilment, Court of Jurisdiction

Place of fulfilment for our supplies and services and for Purchasers' liabilities, and seat of court of jurisdiction, inasmuch as is permissible in accordance with Articles 38-40 ZPO (Code of Civil Procedure), shall be Munich. We shall, however, be entitled to pursue claims at the domicile of the placers of the order and before any other possible courts. German law shall apply exclusively.

Official language and language of contract shall be German.

Our Sale and Delivery Conditions apply to all our deliveries and services.

Truma Gerätetechnik GmbH & Co. KG
Wernher-von-Braun-Strasse 12
85640 Putzbrunn
Germany

Tel.: +49 (0)89 4617-0
Fax: +49 (0)89 4617-2116
info@truma.com
www.truma.com

Order acceptance
Tel.: +49 (0)89 4617-2134 / -2135 / -2325
Technical advice
Tel.: +49 (0)89 4617-2141 / -2147