



## Leisure Products for caravan and motor home

### Product Catalogue

valid from 01. July 2008

Comfort on the move



# Index

<b>Air conditioning systems</b>	<b>page</b>	<b>Air technology</b>	<b>page</b>
Air conditionings Saphir	3	Trumavent fans for the heater Trumatic S	32
Power inverter	4	Multivent fan TBM	32
Air conditioning accessories	4	Warm air ducting accessories	33 – 36
Cold air distribution accessories	5 – 6	Towel dryer	36
		Awning warmer	36
<b>Manoeuvring systems</b>		<b>Water comfort</b>	
Mover SE	7	Boiler (EL)	37
Mover TE	7	Electroboiler	38
Mover S	7	Truma Therme	38
Mover accessories	7 – 8	Water system accessories	39
<b>Energy systems</b>		<b>Further products</b>	
Gas Supply	9 – 15	Control panel accessories	40
Power supply	16	Truma Nova gaslight	41
Accessories for electronics	16	Testing kits	41
		Special tools	42
<b>Heating systems</b>			
Trumatic S 2200 / S 2200 P	17		
Trumatic S 3002 / S 3002 P	18		
Trumatic S 3002 FS	19		
Trumatic S 5002 / S 5002 E	20		
Accessories for flue ducting	21 – 22		
Accessories for heaters Trumatic S	23		
Additional electric heater Ultraheat	23		
Trumatic E 2400	24 – 25		
Trumatic E 4000 / E 4000 A	26 – 27		
Accessories for electronics Trumatic E	27		
Combi 4 (E), Combi 6 (E)	28		
Flue kits and single flue parts	29		
Accessories for Trumatic C (EH)	29		
Combi D 6	30		
Wall cowls and pipe sets	31		
Special tools	31		

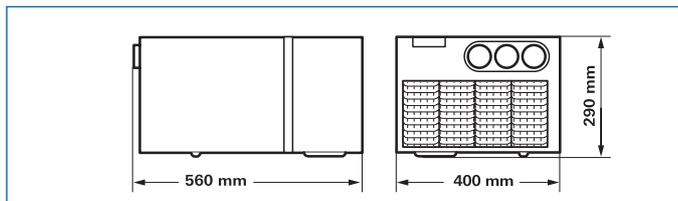
The right to effect technical modifications is reserved!

For installation, please respect the Truma Installation Instructions.

The separate "Heating and Hot Water for Yachts and Motor Boats", "Trumatic E Liquid gas heaters for vehicle cabs and load compartments" and "L.P. Gas lights" price lists can be requested from Truma if required.

Air conditioning unit with infrared remote control for caravans and mobile home.  
 Low centre of gravity through installation in lower storage compartment. No additional load on the roof. A variety of different installation suggestions are provided in the brochure Camping World, which is available on request.

## Saphir compact



**Max. cooling capacity** 1800 W  
**Power supply** 230 V - 240 V, 50 Hz  
**Power consumption** (230 V) 2,8 A  
 (12 V) 55 A  
**Start-up current** (230 V) 15 A (150 ms)  
**Weight** 20 kg

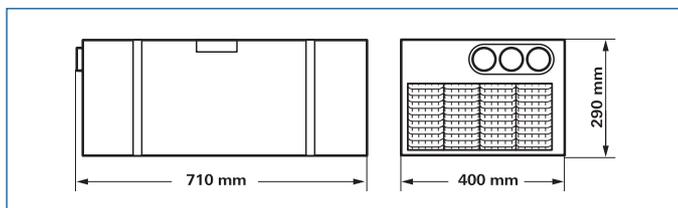


**Part No.**

44080-02

Saphir compact, suitable for vehicles up to 5.5 m long, including standard installation kit. Cooling is also possible while driving with the TG 1000 sinus power inverter (not included in scope of delivery, see page 4).

## Saphir comfort



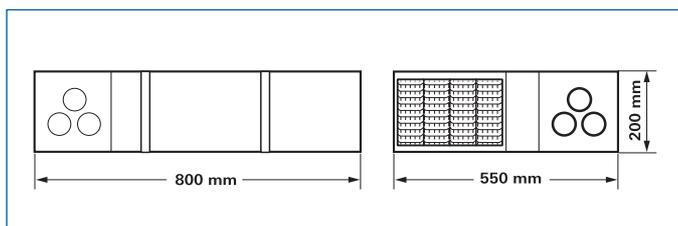
**Max. cooling capacity** 2400 W  
**Power supply** 230 V - 240 V, 50 Hz  
**Power consumption** 4.2 A  
**Start-up current** 20 A (150 ms)  
**Weight** 24 kg



44032-02

Saphir comfort, suitable for vehicles from 5.5 m and longer, including standard installation kit.

## Saphir vario



Power settings	1	2	3
<b>Cooling power</b>	600 W	1500 W	2000 W
<b>Power consumption</b> (230 V)	1,7 A	3,0 A	4,4 A
<b>Power consumption</b> (12 V)	34 A	60 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



44060-01

Saphir vario for operation at three variable power settings, including standard installation kit.  
 In combination with the TG 1000 sinus power inverter (not included) the air conditioning system can be operated while driving or autonomously. The intelligent automatic air conditioning system detects the voltage source that is present. Ideal for installation in false floors because of its low installation height.

For TG 1000 sinus power inverter, see page 4.

## Power inverter



### Part No.

40090-81000 TG 1000 sinus power inverter  
 Addition that provides convenient, independent use of the Saphir vario or compact or for independent use of any 230 V device up to a maximum current consumption of 1000 W. (connecting cable not included)

### Please order required cable sets:



40090-23100 Electrical Kit  
 to integrating the TG 1000 sinus in the electrical on-board power supply of the vehicle



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, the alternator or (Saphir vario only) the vehicle battery.



40090-26200 Autarky Kit  
 for independent use of all 230 V devices up to max. power consumption of 1000 W

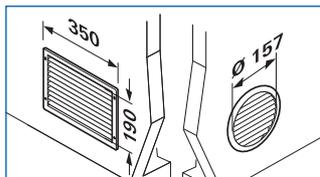


40090-26800 Switch Box Kit  
 For switching between air conditioning mode and autonomous mode

## Accessories for air conditioning units

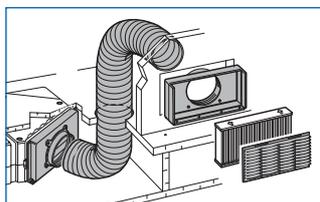
40040-34800 **3 m** extension cable for **Saphir comfort** IR receiver (not illustrated)

40090-89100 **3 m** extension cable for **Saphir compact and Saphir vario** IR receiver (not illustrated)



40040-29200 Circulation air intake grill **rectangular**  
 (extension of air stream 500 cm<sup>2</sup>)

40040-20400 Circulation air intake grill **round**  
 (extension of air stream 135 cm<sup>2</sup>, 3 pieces required)



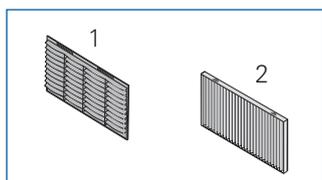
40090-59100 Flexible room air aspiration complete - only required if direct room air aspiration is not possible because of the fitting situation, suitable for Saphir air conditioning units.



**Part No.**  
40040-60100 Sound muffler for installing in the cold air system of air conditioning equipment for additional noise reduction in the living area

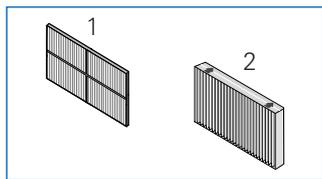


40040-32500 Air outlet channel for minimising noise outside the living area



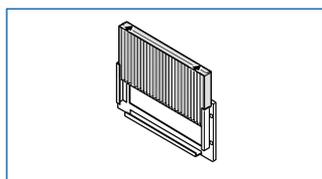
40090-64600 Fluff filter (1) **Saphir, blue**

40090-58100 Particle filter (2) **Saphir**

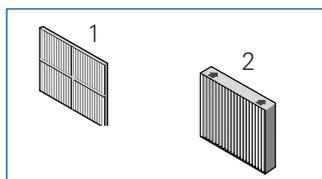


40040-13800 Fluff filter (1) **Frostair 1700, 1500**

40040-23100 Particle filter (2) **Frostair 1700**



40040-23600 Subsequent particle filter for circulating air **Frostair 1700** compl. with mounting frame



40040-28100 Fluff filter (1) **Frostair 2300**

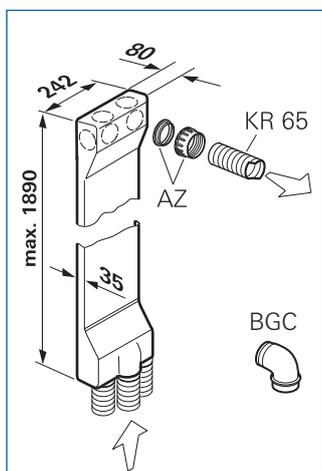
40040-27000 Particle filter (2) **Frostair 2300**

## Accessories for cold air distribution



40200-01 Cold air duct **KR 65**, Ø 65 mm (per metre)

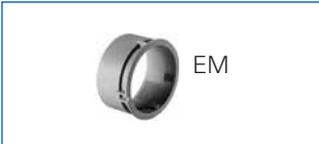
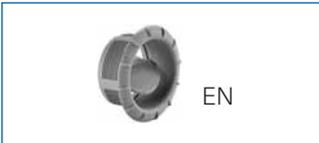
40241-01 Clip **ÜS** agate grey, Ø 65 mm black to fix the cold air duct to the wall



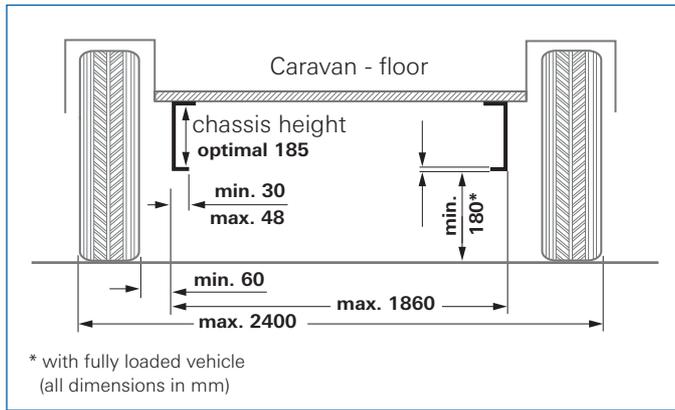
40040-32200 Cold air channel without connector muffs **AZ**

40040-24100 Connector muff **AZ** to connect the cold air duct **KR 65** to the cold air channel

34091-01 Elbow **BGC** to connect the cold air duct **KR 65** to the connector muff **AZ**

	<b>Part No.</b> 40151-02	T-pipe <b>LT</b> agate grey for air ducts Ø 65 or 72 mm
	40181-01	Nut <b>EM</b> agate grey
	40171-01	End outlet <b>EN</b> agate grey with air throttle, fitting for flow-T LT, end outlet-nut EM, and tubes Ø 65 mm, for further colours please see page 34
	40171-07	End outlet <b>EN-O</b> agate grey without air throttle, for lamella inset LA
	40721-01	Lamella inset <b>LA</b> agate grey to attach onto ending outlet EN-O, direction of air flow is adjustable by turning, for further colours please see page 34
	40101-01	Panel <b>BL 22</b> agate grey with air outlet Ø 22 mm, to strongly reduce the volume of the air flow
	40101-02	Panel <b>BL 30</b> agate grey with air outlet Ø 30 mm, to slightly reduce the volume of the air flow
	39971-01	Swivelling air outlet <b>SCW 2</b> a non-closable air outlet for cold air duct KR 65 connection
	39971-02	Swivelling air outlet SCW 2 black Swivelling air outlet SCW 2 beige
	40290-02	Connector <b>ANH</b> black necessary for cold air duct KR 65 connection to the rectangular air outlet
	40280-01	Rectangular air outlet <b>RL</b> black
	40151-01	T-pipe <b>TS</b> agate grey
	40191-01	<b>Y</b> -pipe agate grey
	39010-76400	Elbow <b>BG</b> black

# Mover SE, TE, S - with „Durasoft Drive“ and ABE! (inspection by a specialist in Germany not necessary)



<b>Max. hill climbing ability</b>	Mover S, SE 15% with a caravan with 1.800 kg weight Mover TE 10% with a caravan with 2.250 kg weight
<b>Power supply</b>	12 V
<b>Power consumption</b>	Maximum rate 120 A Average rate 20 A
<b>Weight</b>	Mover SE, TE 33 kg Mover S 35 kg incl. cross actuation device



Manoeuvring aid with radio remote control and **electrical engagement / disengagement** of the rollers.

**Part No.**

- 61500-01 **Mover SE** for single axle caravans with a total weight up to 1.800 kg
- 61600-01 **Mover TE** for twin axle caravans with a total weight up to 2.250 kg



Manoeuvring aid with radio remote control and **manual engagement / disengagement** of the rollers.

- 61401-01 **Mover S** for single axle caravans with a total weight up to 1.800, complete, incl. cross actuation device



**Now also with soft stop!**

## Mover accessories

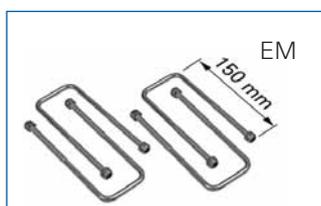
- SE** Mover SE
- TE** Mover TE
- S** Mover S
- EM** Euro Mover
- TM** Euro Mover Tandem



- 60010-66000 Spacer plate kit (2 spacer plates 15 mm thick), to compensate the height up to 45 mm (using 3 kits)



- 60010-70000 Screw set **additionally necessary** to use with the spacer plate kits on a frame with a **height of 140 mm to 185 mm**



- 60010-00100 "U" bolt extension kit incl. nuts and washers **additionally necessary** to use with the spacer plates, for installing a **Euro Mover** (frame with L profile, height **less than 185 mm**)



SE  
TE  
S  
EM  
TM

**Part No.**

60010-64900

Low chassis kit, consisting of mounting plates, with screws and nuts for installation to chassis with a height of **less than 140 mm**. If the chassis has to be drilled for installation, it must be subsequently inspected and approved by an officially recognised (TÜV) expert, in Germany.



SE  
S  
EM

60010-21500

Installation kit ALKO Vario III / AV, **absolutely necessary** for the reinforcement of the frame of caravans with ALKO Vario III / AV single chassis



SE  
S

60030-09000

Eriba Touring installation kit, extension to complete the rectangular profile



EM

60010-18500

Cross actuation retrofit set for Euro Mover, **after date of manufacture 03/2003**

60010-19000

Cross actuation additional set, only needed for Euro Mover **before date of manufacture 03/2003**, supplementary to above-described one-sided operation set (not illustrated)



60010-05000

Battery cut-off switch



39901-01

Battery charger NT 12 / 3-18 to charge the 12 V batteries by a 230 V mains connection or as power supply with 18 A IUoU charging curve

## Gas supply for operation while driving



The gas pressure regulator SecuMotion which is mounted on the wall with gas flow monitor and integrated test connection complies with the regulations for operating liquid gas heaters while driving if observing the corresponding regulations of the layout of the gas installation (mandatory from 2007 onwards for operating liquid gas heaters while driving).

**Attention:** Do not use in confined spaces (e.g. households!)  
Only to be installed by an authorised expert!

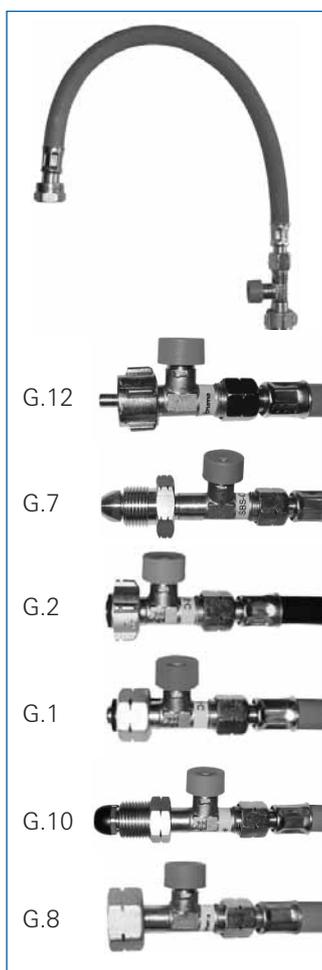
The gas pressure regulator **SecuMotion (EN-GSW), 30 mbar**, is available in the following output settings:

### Part No.

52300-01	Regulator SecuMotion 0,8 kg/h, 8 mm
52300-02	Regulator SecuMotion 0,8 kg/h, 10 mm
52300-03	Regulator SecuMotion 1,2 kg/h, 10 mm
52300-04	Regulator SecuMotion 1,5 kg/h, 10 mm
52300-05	Regulator SecuMotion 1.5 kg/h, 10 mm for connection to the gas tank



51500-01	DuoComfort, automatic changeover valve for two-cylinder systems (only permitted in combination with gas pressure regulators SecuMotion (EN-GSW) or wall-mounted gas pressure regulators Typ EN 61-DS made by GOK)
----------	--



### HP-gas hose HRP

High-pressure hoses with hose rupture protection must be used for the connection of the changeover valve or the regulator SecuMotion to the gas cylinder.

Truma supplies different country-specific versions and two lengths of the necessary high-pressure hoses, can be found in the corresponding packaging.

### Length 450 mm for fix installation L.P.G. cylinders

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

### Length 750 mm for liquid gas cylinders on a pullout device

50420-01	HP-gas hose HRP, G.12, DE
50420-02	HP-gas hose HRP, G.7, GB Propane
50420-03	HP-gas hose HRP, G.2, FR Shell
50420-04	HP-gas hose HRP, G.1, IT Liquid
50420-05	HP-gas hose HRP, G.10, SE Pol
50420-06	HP-gas hose HRP, G.8, EU Shell

Accessories see page 11.

## Gas Supply for operation while stationary



The wall-mounted **DuoControl** changeover regulator system for the two-cylinder system with integrated gas pressure regulator and test connection can only be used if **heating is not required** while driving (in vehicles as of 2007).

**Note:** can be used in older vehicles without restrictions!  
Also suitable for operation with one gas cylinder.

**Attention:** The gas cylinders must be closed while driving!  
Not for use in commercial vehicles!  
Do not use in confined spaces (e.g. households), and not for use in mobile homes in Germany!  
Only to be installed by an authorised expert!

### Part No.

51510-01	DuoControl 30 mbar, 1.5 kg/h, 10 mm, incl. Z 10 / RVS 8 adapter, 10 mm journal on 8 mm olive screw joint
51510-03	DuoControl 50 mbar, 1.5 kg/h, 8 mm, incl. Z 8 adapter on RVS 10, 8 mm journal on 10 mm olive screw joint



### HP hose

The high-pressure hose for connecting the DuoControl changeover regulator system to gas cylinders is available in different country-specific versions and two different lengths.

#### Length 450 mm for fix installation L.P.G. cylinders

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 Liquid
50400-05	HP-gas hose, G.10, SE Pol
50400-06	HP-gas hose, G.8, EU Shell

#### Length 750 mm for liquid gas cylinders on a pullout 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 Liquid
50430-05	HP-gas hose, G.10, SE Pol
50430-06	HP-gas hose, G.8, EU Shell

Accessories see page 11.

## Accessories for SecuMotion, DuoComfort and DuoControl

### Part No.

50210-01 Remote indicator for DuoComfort and DuoControl with integrated EisEx de-icing system and 6 m wiring harness  
34300-01 Extension cable **5 m** for control panel (not illustrated)

53101-01 EisEx, 12 V de-icing system for preventing the regulators from icing up in winter for SecuMotion, DuoComfort and DuoControl (on/off switch not included in scope of delivery).

50020-56000 90° elbow for installation between DuoComfort and SecuMotion, for example, or high-pressure hose, providing more flexible installation options in cases where space is limited

50020-61100 Extension kit DuoComfort and DuoControl i.e. for use with gas cylinders that are **more than 100 cm** apart  
(The scope of delivery does not include the required Ø 10 mm gas pipe)

50020-61300 HP-gas hose HRP, 1,5 m, for outdoor gas cylinders from 11 - 33 kg with connection G.5

### Remote gas switch

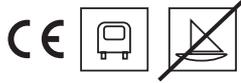
Gas remote switch, 12 V for single and two-cylinder gas unit (c/w 1.5 m connecting cable and control panel) with optimised flow rate up to 2 kg/h and straight pass, applicable for **wall-mounted gas pressure regulators** and Truma change - over units **Duomatic, Triomatic, Duomatic Plus** and **DuoControl**

57013-01 Gas remote switch GS 8, mounting on gas pipe **Ø 8 mm**

57023-01 Gas remote switch GS 10, mounting on gas pipe **Ø 10 mm**

**Attention:** This gas remote switches may only be used, if it is ensured that all gas appliances are fitted with a safety pilot. This is for example the case with the actual Truma space and water heating systems.





## Caravan gas pressure regulator

Caravan gas pressure regulator with pressure gauge for single gas cylinder system (with BGV D 34 permit in Germany).

52140-02 Caravan gas pressure regulator, **30 mbar**  
52140-01 Caravan gas pressure regulator, **50 mbar**

**Please note:** These regulators are only permitted for camping purposes. They must not be used in enclosed spaces (i.e. houses)!



## Pressure controller VDR 50 / 30

52150-01 Pressure controller **VDR 50 / 30** for use of 30 mbar units in 50 mbar systems. A pressure controller is needed for each unit.

**Note:** The pressure regulator is approved for all caravan LPG equipment (not for mobile homes or central L.P.G. supply on camp grounds).



53100-01 De-icer „Eis-Ex“ 12 V antifrost for pressure regulator (not suitable for SecuMotion, DuoComfort or DuoControl)



53110-01 TEX transformer plug (12 V, 4 Watts) for operation of the 'EisEx' with 230 V



50201-01 Remote indicator, for the gas pressure regulator set **Triomatic until date of manufacture 2003**, 12 V to prevent malfunctions occurring in the gas system during winter operation, the remote indicator can be supplemented with one or two defrosters Eis-Ex (part no. 53100-01).

50020-26900 Duomatic Plus additional set for use when gas cylinders are **more than 65 cm apart** (not illustrated)

**Part No.**

50610-01 Flexible gas hose **W 40** 1/4" LH, 8 mm, screw fitting (cold resistant, 40 cm long)

50650-01 Flexible gas hose **W 40** 1/4" LH, 10 mm, screw fitting (cold resistant, 40 cm long)



39010-28600 Gas pipe **EO 8** x 1 mm plastic-laminated (6 metre roll)

39010-28500 Pipe clips **EOS 8** with rubber lining and screw (10/pack)

39030-13200 Gas pipe **EO 10** x 1 mm plastic-laminated (bar with 3 metres length)

39030-13400 Pipe clips **EOS 10** with rubber lining and screw (10/pack)



10160-00 Straight union **G 8** for gas pipe 8 mm

10161-00 Straight union **G 10** for gas pipe 10 mm

50040-11900 Straight reducer union **G 10 / 8** from 10 mm to 8 mm



50000-06500 Straight reducer union **Z 8 / RVS 10**, from 8 mm pipe stud to 10 mm screw fitting

50020-04000 Straight reducer union **Z 10 / RVS 8**, from 10 mm pipe stud to 8 mm screw fitting



10170-00 Elbow union **W 8** for gas pipe 8 mm

10171-00 Elbow union **W 10** for gas pipe 10 mm

50020-70500 Elbow reducer union **W 10 / 8**

10170-02 Elbow union **Z 8 / RVS 8**, 8 mm pipe stud, 8 mm screw fitting



10180-00 T-union **T 8** for gas pipe 8 mm

10181-00 T-union **T 10** for gas pipe 10 mm

10111-00 T-union reducer **T 10 / 8** (10 mm x 8 mm x 10 mm)



10190-00 Cross union **KR 8** for gas pipe 8 mm



10690-00 Truma paste 400 (25 g tube) heat-proof Sealing and sliding paste for screw-fittings.



## Changeover valve

### Part No.

25140-01 Changeover valve **UV 10** for Ø 10 mm gas pipe to combine the gas tank and the gas cylinders together



## Valves and accessories

24113-01 Manifold valve **VK 2-8**, inlet 8 mm with 2 outlets 8 mm

24114-01 Manifold valve **VK 2-10**, inlet 10 mm with 2 outlets 8 mm



24133-01 Manifold valve **VK 3-8**, inlet 8 mm with 3 outlets 8 mm

24134-01 Manifold valve **VK 3-10**, inlet 10 mm with 3 outlets 8 mm



24153-01 Manifold valve **VK 4-8**, inlet 8 mm with 4 outlets 8 mm

24154-01 Manifold valve **VK 4-10**, inlet 10 mm with 4 outlets 8 mm

Blanking plug for closing free outlets (not illustrated)

20000-19600 Blanking plug **BS 8 mm**

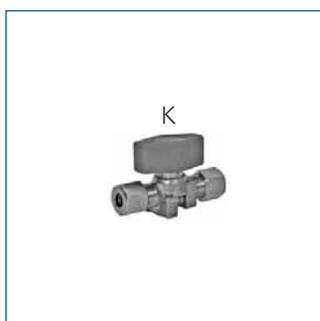
20000-21700 Blanking plug **BS 10 mm**

Connector for joining two manifolds to each other (not illustrated)

20000-46900 Connector **8-8 mm**

20000-47000 Connector **10-10 mm**

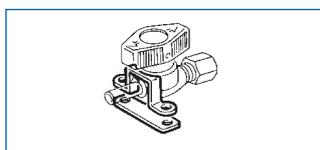
20000-47100 Connector **10-8 mm**



23110-01 Straight quick-acting valve **K 8 Ms** both ends 8 mm screw-fitting

23210-01 Straight quick-acting valve **K 10-8 Ms** inlet 8 mm, outlet 10 mm screw-fitting

23130-01 Straight quick-acting valve **K 10 Ms** both ends 10 mm screw-fitting



20000-22900 Bow strap 17 mm for fixing the quick-acting valves

20000-22700 Spacer 2 mm for bow strap 17 mm



**Part No.**

23251-01 Coupling quick-acting valve **KV 8**



23270-01 Branch coupling quick-acting valve **AKV 8**

**Note:** All Truma valves are approved for liquid gas (but not for drinking water).



**BBQ Point**

The BBQ Point permits the connection of an outdoor gas cooker, gas grill or a gas lamp. Additionally required is a gas hose, which is attached outside at the integrated coupling nozzle, and a gas pipe  $\varnothing$  8 mm.

**Attention:** The external gas socket is only suitable for extracting gas, not for feeding gas into the gas system.

23290-02 BBQ Point ivory  
23290-01 BBQ Point white  
23290-03 BBQ Point black



39010-04500 Gas hose **W 100** for coupling with coupling nozzle and Union nut R 1/4" left

## Power supply



### Power inverter

#### Part No.

40090-81000 TG 1000 sinus power inverter for independent use of any 230 V device up to a maximum current consumption of 1000 W (connecting cable not included).

#### Please order required cable sets



40090-23100 Electrical Kit to integrating the TG 1000 sinus in the electrical on-board power supply of the vehicle

60010-54500 Cable protection Ø 25 mm, fixed length 2 m (not illustrated)



40090-26200 Autarky Kit for independent use of all 230 V devices up to max. power consumption of 1000 W

For more cable sets see page 4.



### Battery charger

39901-01 Battery charger NT 12 / 3-18 to charge the 12 V batteries by a 230 V mains connection or as power supply with 18 A IUoU charging curve



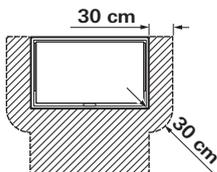
60010-05000 Battery cut-off switch



### Transformer

40000-47700 Transformer SPU, 230 /12 V, for connecting the Trumavent fan TEB-2 to a 230 V input 230 V, 50 Hz, 30 W output 12 V, 1.5 A max.

## Accessories for electronic



Automatic shut-off equipment for connecting a window switch (complies with EN 1949) for automatic equipment shut-off if the flue is installed beneath or up to 30 cm beside an opening window (window switch not included).

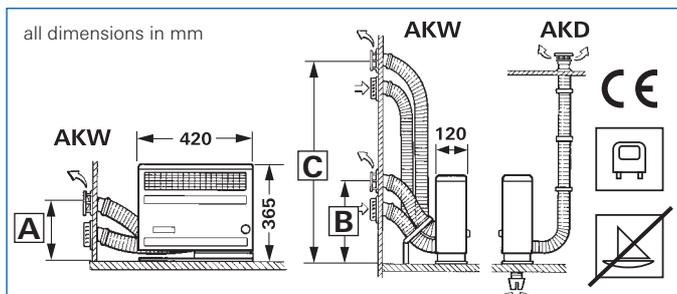


39050-00800 Trumatic E automatic shut-off equipment  
34000-80800 Trumatic C automatic shut-off equipment  
70020-00800 Boiler automatic shut-off equipment



34000-85800 Universal window switch for all of the most popular knockout windows in caravans. With the Trumatic E, the Trumatic C and the Boiler, only in combination with the shut-off device, with the Trumatic C 6002 EH and Combi (D) the shut-off device is already integrated in the unit.

# Trumatic S 2200 / S 2200 P – L.P. Gas heaters only approved for caravans



**Rated thermal output** 1850 W  
**Gas consumption** 50 – 170 g/h  
**Weight** 6.7 kg  
**Product Ident. Number** CE-0085AP0324

Alternatives	A	B	C
Duct lengths up to	35 cm	75 cm	120 cm
Minimal cowl height	20 cm	33 cm	66 cm



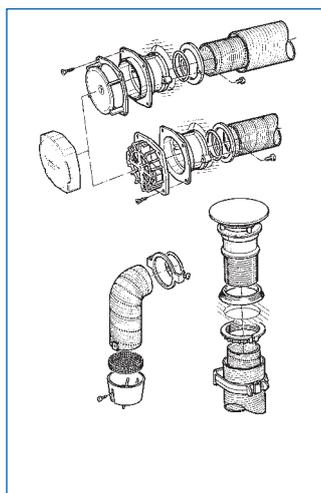
## Part No.

**Left** operating knob and **right** exhaust duct connection (without cowl kit)

- 31110-02 Trumatic **S 2200**, 30 mbar, with automatic ignitor
- 31130-02 Trumatic **S 2200 P**, 30 mbar, with piezo ignitor

**Right** operating knob and **left** exhaust duct connection (without cowl kit)

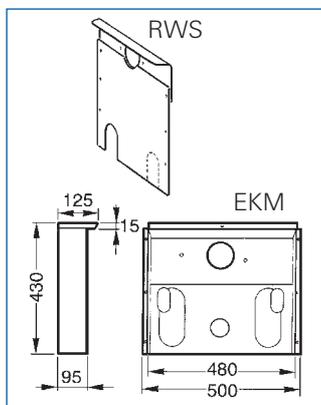
- 31110-01 Trumatic **S 2200**, 30 mbar, with automatic ignitor
- 31130-01 Trumatic **S 2200 P**, 30 mbar, with piezo ignitor



## Flue kits

- 30320-01 Wall flue kit **short**, alternatives A + B (c/w 1 m exhaust duct AE 3, 0.5 m insulating duct ÜR and 2 flue covers)
- 30320-02 Wall flue kit **long**, alternative C (c/w 1.5 m exhaust duct AE 3, 0.75 m insulating duct ÜR, 1 double duct support DSW and 2 flue covers)
- 30320-03 Roof flue kit (c/w 1 roof flue AK 3, 2.5 m exhaust duct AE 3, 2 m insulating duct, 3 clips ÜS and air intake fitting)

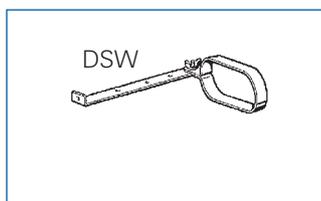
Flue parts and flue accessories see from page 21.



## Installation accessories

Rear panel with heat deflector for Trumatic S 2200 (for free standing installation)

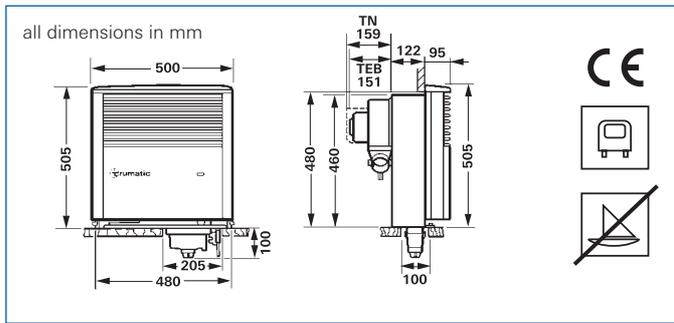
- 30190-01 Rear panel **RWSL** with exhaust connection **right**
- 30190-00 Rear panel **RWS** with exhaust connection **left**
- 30171-01 Installation box **EKM** for S 2200, exhaust connection right and left (for integrated fitting into a wardrobe)



- 30280-00 Double duct support **DSU** for side wall flue ducts; **necessary** for duct lengths 75 and 120 cm (included in the wall flue kit long)

For warm air distribution all Trumavent fans (fitting direct to the installation box) or the Multivent fan can be used, see page 32.

# Trumatic S 3002 / S 3002 P – L.P. Gas heaters approved for caravans and motor homes



<b>Rated thermal output</b>	3400 W
<b>Gas consumption</b>	30 - 280 g/h
<b>Weight</b>	9.8 kg
<b>Product Ident. Number</b>	CE-0085AP0325

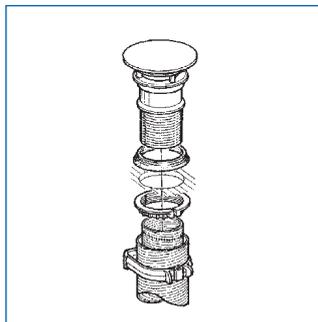


**Operation is only authorized with original Truma front case**

**Important:** Order front case separately!

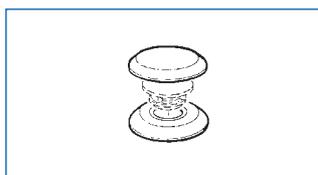
## Part No.

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



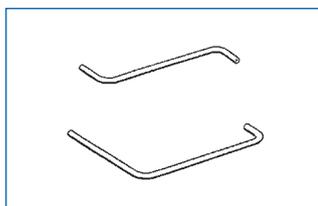
## Roof flue kit

30330-00	Roof flue kit c/w 1 roof flue AK 3, Ø 60 mm, 2.5 m exhaust duct, 2 m insulating duct and 3 clips
----------	--



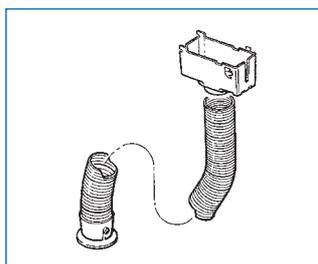
30700-03	Flow top <b>T3</b> , necessary to operate the heater while driving
----------	--

Flue parts, flue tops for the motor home and flue accessories for the Caravan, see page 21.



## Installation accessories

30030-85500	Gas line interior connection for Trumatic S 3002 <b>right fitting</b>
30030-85600	Gas line interior connection for Trumatic S 3002 <b>left fitting</b>

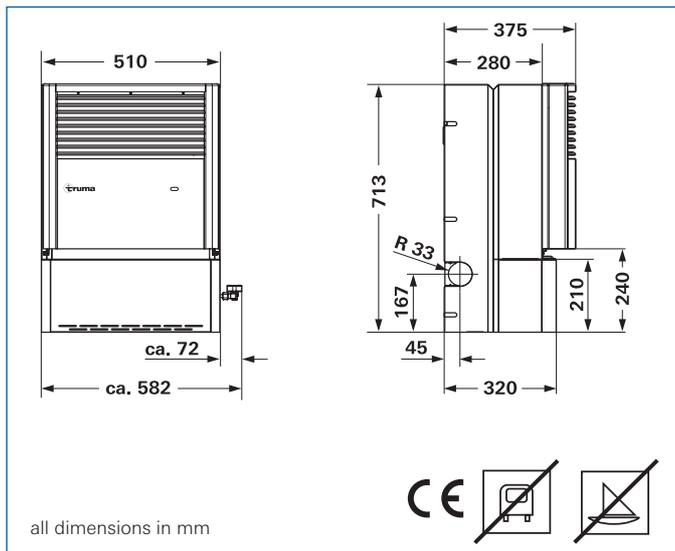


30030-04800	Air intake extension c/w 50 cm flue duct (for difficult fitting situations, for example installation on a plinth, or for vehicles with double-floor)
-------------	--

For warm air distribution all Trumavent fans can be used (fitting direct to the installation box), with the comfort kit a fitting of the fan to the wall or the floor is also possible, see page 32.

# Trumatic S 3002 FS

L.P. Gas heater for free-standing installation, for example in a permanent awning



**Rated thermal output**  
**Gas consumption**  
**Weight**

3400 W  
30 - 280 g/h  
18.5 kg  
(incl. fan TEB-2  
and front case)  
CE-0085AP0325

**Product Ident. Number**



The trusty Trumatic S 3002, already in an installation box. The equipment is delivered complete with roof flue, leadthrough for pitched roofs, 3 m exhaust duct, Trumavent TEB-2, 12 V fan and parts required for installation.

**Operation is only authorized with original Truma front case**

**Important:** Order front case separately!

**Part No.**

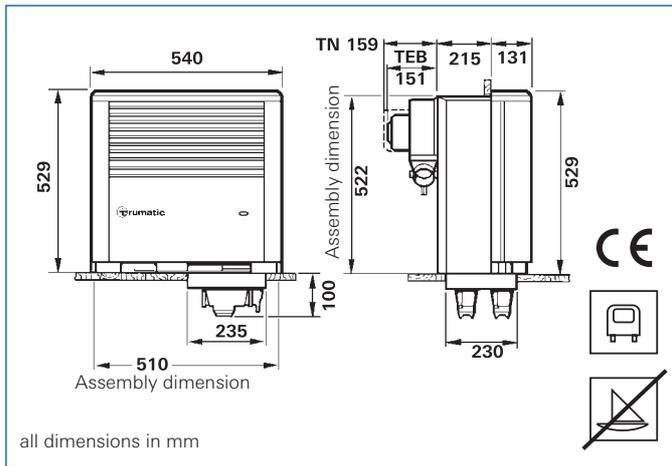
31311-05 Trumatic S 3002 FS, 30 mbar

30040-50100 Front case sepia brown

30040-50200 Front case agate grey

The warm air ducting will be individually matched to the type of vehicle, see from page 33.

## Trumatic S 5002 / S 5002 E – L.P. Gas heaters, only approved for caravans



<b>Rated thermal output</b>	5500 W (propane / butane) 4600 W (natural gas)
<b>Gas consumption</b>	60 - 480 g/h (propane / butane) 64.5 - 517 l/h (natural gas)
<b>Weight</b>	17.5 kg
<b>Product Ident. Number</b>	CE-0085AP0326

For motor vehicles Truma offers the heaters Trumatic S 3002 (P) (see page 18) Trumatic E (see page 24) Combi (E) (see page 28) and Combi D (see page 30).



**Operation is only authorized with original Truma front case**  
**Important:** Order front case separately!

### Part No.

Trumatic S 5002, **30 mbar**, 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 (Germany)** 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, **20 mbar, for natural gas (Netherlands)** with automatic ignitor, thermostat and installation box (without front case)

31551-05	Trumatic S 5002 E, 20 mbar
31551-07	Trumatic S 5002 E, 20 mbar, with special installation box for 2 fans

30050-60100	Front case sepia brown
30050-60200	Front case agate grey

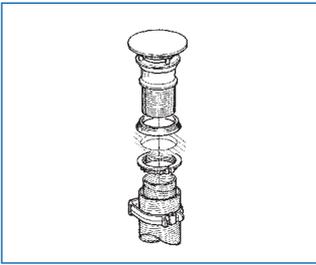


### Front case flame effect

30050-61000	Front case flame effect black-brown with acoustics
30050-61200	Front case flame effect grey-alu with acoustics

The front case flame effect can be retrofitted on heaters Trumatic S 5002, 30 mbar, **from year of manufacture 06/2004.**

The inner installation box **must also be replaced** when retrofitting to the Trumatic S 5002, 30 mbar heaters from year of manufacture 05/1998 to 05/2004 (Installation box for one fan, part no. 30050-51100, special installation box for 2 fans, part no. 30050-51300).

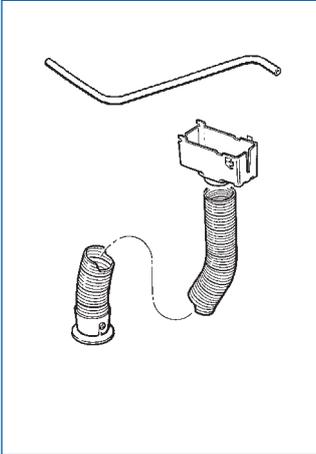


### Roof flue kit

**Part No.**

30350-00 Roof flue kit (c/w 1 roof flue AKL 5  
Ø 70 mm, 2.5 m exhaust duct, 2 m  
insulating duct and 3 clips)

Flue parts and flue accessories for the caravan, see until page 23.



### Installation accessories

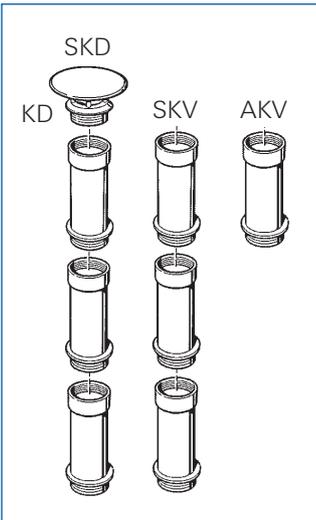
30050-30500 Gas line interior connection  
for Trumatic S 5002  
(right and left fitting)

30030-04800 Air intake extension c/w 50 cm flue duct  
(for difficult fitting situations, for example  
installation on a plinth, or for vehicles with  
double-floor)

**2 extensions necessary!**

For warm air distribution all Trumavent fans can be used  
(fitting direct to the installation box). With the comfort kit a  
fitting of the fan to the wall or the floor is also possible,  
see page 32.

### Accessories for flue ducting Trumatic S



30610-00 Flue extension **SKD**, 45 cm  
with flue roof KD  
for caravans with special mountings or  
places with extreme wind conditions

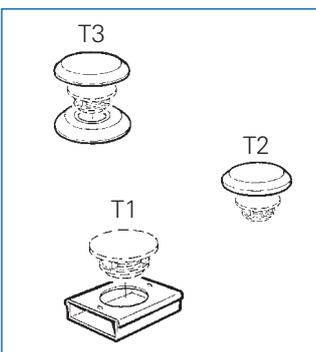
30010-20900 Flue roof **KD**

30690-00 Flue extension **SKV**, 45 cm

30010-20800 Flue extension **AKV**, 15 cm



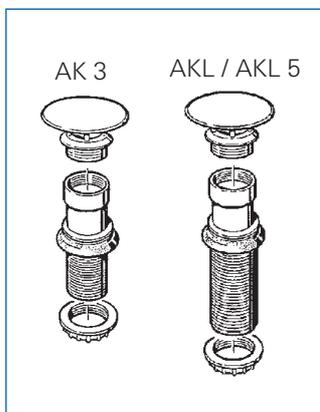
30630-04 Flue leadthrough **UEK**  
for caravan protection double-roofs



30700-03 Flue top **T3** for motor homes necessary  
to operate the heating while driving  
(not suitable for the heater Truma S 55 T)

30700-02 Flue top **T2** to operate the heating while  
driving  
(not suitable for the heater Truma S 55 T)

30700-01 Flue top **T1** to operate the heating while  
driving  
(not suitable for the heater Truma S 55 T)



**Part No.**

30630-01

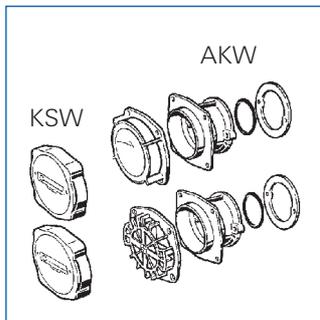
Roof flue **AK 3**, Ø 60 mm for the heaters Trumatic 2200 and S 3002 (P)

30630-03

Roof flue **AKL**, Ø 60 mm, special version for a roof thickness over 5 cm up to 12 cm, for the heater Trumatic S 2200 and S 3002 (P)

30651-01

Roof flue **AKL 5**, Ø 70 mm, for the heater Trumatic S 5002, for a roof thickness up to 12 cm

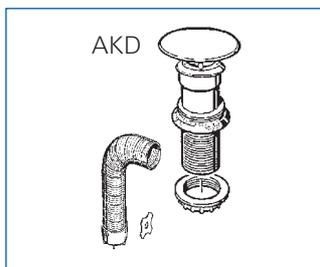


30260-00

Wall flue kit **AKW** for Trumatic S 2200 (without covers and ducts),

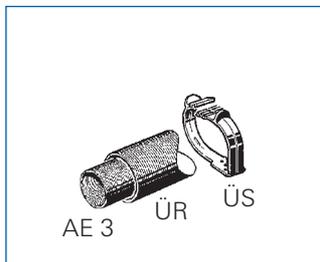
30270-00

Flue cover set **KSW** (2 pieces) for wall flue AKW



30290-00

Roof flue kit **AKD** for the heater Trumatic S 2200 (roof cowl AK 3 + air intake duct cpl. without ducts),



30140-00

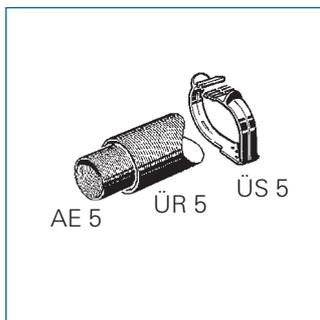
Exhaust duct **AE 3**, Ø 55 mm (per metre) for the heaters Trumatic 2200 and S 3002 (P)

40230-00

Insulating duct **ÜR**, Ø 65 mm (per metre) for the heaters Trumatic 2200 and S 3002 (P)

40241-01

Clip **ÜS** agate grey, Ø 65 mm to attach the insulating duct ÜR to the wall



30160-00

Exhaust duct **AE 5**, Ø 65 mm (per metre) for the heaters Trumatic S 5002 and Truma S 55 T

40250-00

Insulating duct **ÜR 5**, Ø 75 mm (per metre) for the heaters Trumatic S 5002 and Truma S 55 T

40261-01

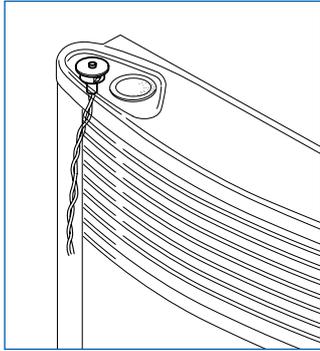
Clip **ÜS 5** agate grey, Ø 75 mm to attach the insulating duct ÜR 5 to the wall



30620-00

Exhaust duct support **AST** ensures a continual rise of the exhaust duct in difficult fitting situations and for older heaters

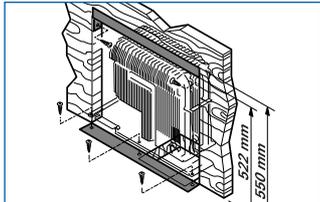
## Accessories for heaters Trumatic S



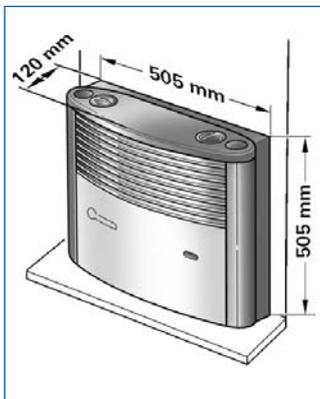
### Part No.

30040-65400 Ignition pilot light for retrofit in the heater front case. Suitable for the heaters Trumatic S 3002 and S 5002, **after date of manufacture 08/99** or with new auto ignitor (with 1 battery)

30040-65700 Auto ignition kit for Trumatic S 3002 P, **after date of manufacture 07/81** complete with remote ignition pilot light (not illustrated)



30050-33600 Installation panel set for the installation of a heater Trumatic S 5002 **after date of manufacture 05/98** in the existing cut-out of a heater Trumatic S 5002 **before 05/98**



### Modern front case design for older Truma heaters

Retrofit case for heaters Trumatic S 3002 (P) year of manufacture 07/81 to 04/96 c/w control rod and if necessary piezo ignitor.

**Important:** Not to be used with the heater Trumatic S 3002 K!

Front cases for Trumatic S 3002

30040-19100 Front case sepia brown

30040-19300 Front case agate grey

Front cases for Trumatic S 3002 P (including piezo ignitor)

30040-19200 Front case sepia brown

30040-19400 Front case agate grey

## Additional electric heater Ultraheat

### Power consumption at power setting

500 W 2.2 A

1000 W 4.5 A

2000 W 8.5 A

### Weight

2 kg

### Power supply

230 V~, 50 Hz

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

**Not to be used** for Trumatic S 3002 K, S 5002 K, and S 5002 until 04/98 with **old** rectangular front design.



30402-02 Additional electric heater Ultraheat (not suitable for use with the heater Truma S 55 T)

30402-09 Additional electric heater Ultraheat (only use with the heater Truma S 55 T)

34300-01 Extension cable **5 m** for the control panel (not illustrated)

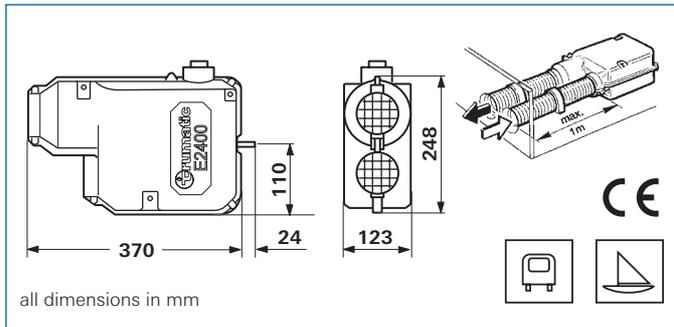
Accessories for the control panel see page 40.



34201-01 Roomtemperature sensor **FFC 2** c/w 4 m connecting cable monitors the room temperature regardless of the position of the control panel

FFC 2

## Trumatic E 2400 – L.P. Gas heater



<b>Rated thermal output</b>	(propane / butane) 2400 W
<b>Air flow rate</b>	49 / 78 m <sup>3</sup> /h
<b>Gas consumption</b>	(propane / butane) Partial load 100 g/h Full load 200 g/h
<b>Current input</b>	0.6 / 1.1 A
<b>Rest current</b>	0.01 A
<b>Weight</b>	4.7 kg
<b>Product Ident. Number</b>	CE0085AO0008



Heater with thermostat, control panel, 4 m cable and mounting kit, without flue kit. Models for natural gas (CNG), versions with a 10 m control panel cable, 24 V or with a special control panel for installation in existing cut-outs on request.

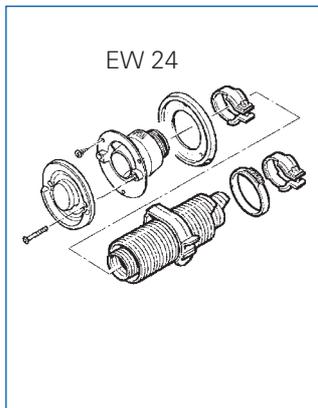
### Part No.

37111-01 Trumatic E 2400, 30 mbar, 12 V

Accessories for the control panel see page 40.

Electric

Electrical accessory if the cowl is installed beneath or next to a window, see page 16.



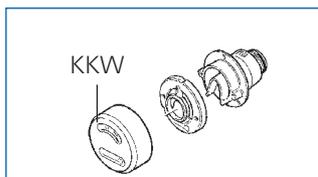
### Flue kits and single flue parts

Wall flue kit **EW 24** (without cowl cover), c/w 1 m exhaust duct, 1 m combustion air supply duct and clips

39371-01 Wall flue kit EW 24 cream  
39371-04 Wall flue kit EW 24 bianco  
39371-03 Wall flue kit EW 24 black

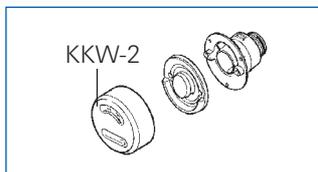
Wall flue kit **EAW 24** (without cowl cover), for external fitted heaters c/w 0.5 m exhaust duct, 1 m combustion air supply duct, clips and air duct leadthrough

39371-02 Wall flue kit EAW 24 cream  
39371-05 Wall flue kit EAW 24 bianco  
39371-06 Wall flue kit EAW 24 black



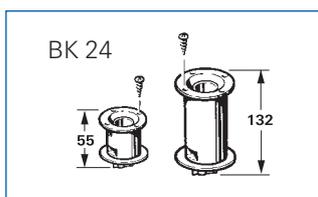
Cowl cover **KKW** for wall flue **until 03/2001**

39140-00 Cowl cover KKW cream  
39140-02 Cowl cover KKW bianco  
39140-01 Cowl cover KKW black



Cowl cover **KKW-2** for wall flue **from 03/2001**

39141-00 Cowl cover KKW-2 cream  
39141-02 Cowl cover KKW-2 bianco  
39141-01 Cowl cover KKW-2 black



39061-00 Floor flue **BK 24 long**

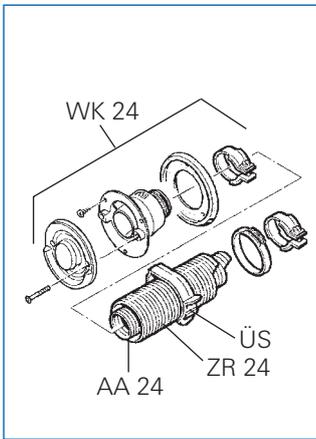
39061-01 Floor flue **BK 24 short** only for vehicles with a floor thickness **up to 10 mm!**

Further single flue parts see page 25.

## Single flue parts Trumatic E 2400

### Part No.

Wall flue <b>WK 24</b> (without ducts)	
39381-01	Wall flue WK 24 cream
39381-06	Wall flue WK 24 bianco
39381-03	Wall flue WK 24 black
39420-00	Exhaust duct <b>AA 24</b> , Ø 33 mm (per metre)
39440-00	Combustion air supply duct <b>ZR 24</b> , Ø 64 mm (per metre)
40241-01	Clip <b>ÜS</b> agate grey, Ø 65 mm



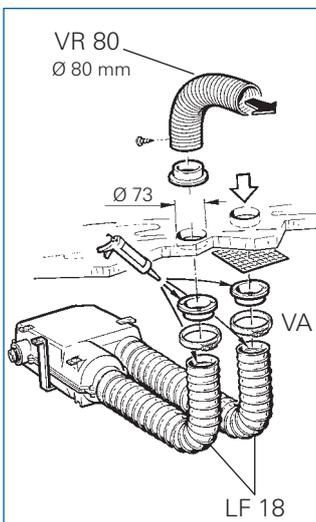
## Air ducting parts

39450-00	Air duct <b>VR 80</b> (per metre) outer Ø 80 mm, inner Ø 76 mm
39590-00	Clip <b>ZRS</b> , Ø 80 mm
39490-00	Elbow <b>BG 80</b> , for air duct Ø 80 mm
39610-00	<b>Y-pipe 80</b> inlet Ø 80 mm, outlet 2 x Ø 65/72 mm
39540-00	<b>T-pipe 80</b> inlet Ø 80 mm, outlet 2 x Ø 65/72 mm
39500-01	Air diffuser <b>LR 80</b> inlet Ø 80 mm, outlet 1 x Ø 65/72 mm and 1 x Ø 49 mm



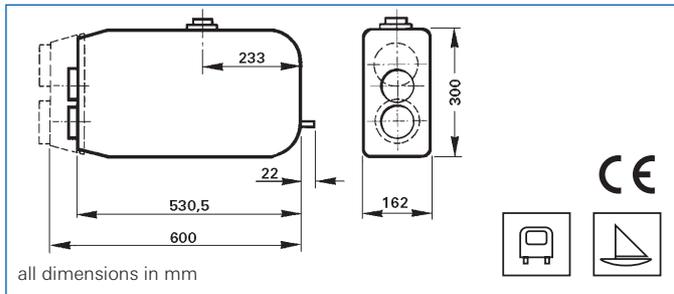
## Air leadthrough for external fitted heater Trumatic E 2400

39080-16900	Air duct <b>LF 18</b> , Ø 76 mm for external fitting (standard length 60 cm)
39010-61800	Worm drive hose clamp <b>VA</b>
39050-73400	Connector-piece for air ducts Ø 76 mm
39080-15900	Protection grill
39050-74000	Fastening strap



The warm air ducting is individually matched to the type of vehicle, see from page 33.

## Trumatic E 4000 / E 4000 A – L.P. Gas heaters



<b>Rated thermal output</b>	3700 W
<b>Air flow rate</b>	approx. 70 / 102 m <sup>3</sup> /h
<b>Gas consumption</b>	Partial load 150 g/h Full load 310 g/h
<b>Current input</b>	1.0 / 2.3 A
<b>Rest current</b>	0.01 A
<b>Weight</b>	10 kg
<b>Product Ident. Number</b>	CE-0085AP0232



Heater c/w thermostat, control panel with 4 m cable and mounting kit, without flue kit. Versions with a 10 m control panel cable, **24 V** or with a special control panel for installation in existing cut-outs on request.

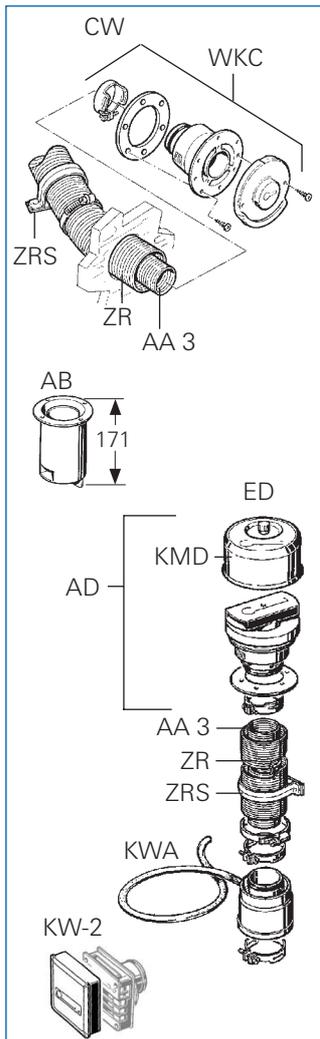
### Part No.

32311-01 Trumatic E 4000, 30 mbar, 12 V



32491-01 Trumatic E 4000 A, 30 mbar, 12 V for external fitting

Accessories for the control panel see page 40.  
Electrical accessory if the cowl is installed beneath or next to a window, see page 16.



### Flue kits and single flue parts

Wall flue kit **CW** with 1 m exhaust duct, 1 m combustion air supply duct and clips (without cover)

34110-01 Wall flue kit CW cream  
34110-02 Wall flue kit CW bianco  
34110-09 Wall flue kit CW black

39690-00 Roof flue kit **ED** c/w 2 m exhaust duct, 2 m combustion air supply duct, condensation trap and clips

39510-00 Floor flue **AB**

Wall flue **WKC** (without cover and ducts)

34011-01 Wall flue WKC cream  
34011-05 Wall flue WKC bianco  
34011-09 Wall flue WKC black

39600-01 Roof flue **AD**, c/w cover (without ducts)

39620-01 Roof flue cover **KMD** (spare)

39670-00 Condensation trap **KWA**

39320-00 Exhaust duct **AA 3**, Ø 55 mm (per metre)

39580-00 Combustion air supply duct **ZR**, Ø 80 mm (per metre)

39590-00 Clip **ZRS**, Ø 80 mm

39330-01 Wall flue cover **KW-2** cream (replacement for heaters until 03/2005)

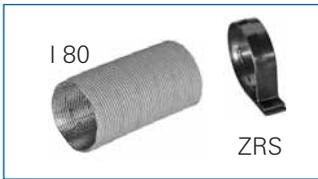
## Air ducting parts

### Part No.



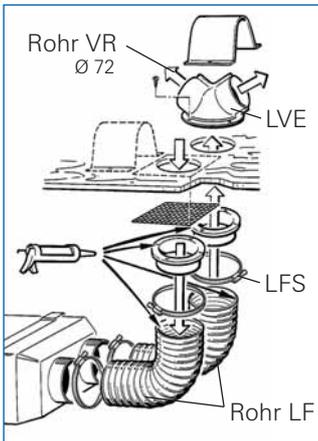
39550-00 Air duct **VR**, Ø 72 mm (per metre) for direct connection to the heater Trumatic E 4000

40261-01 Clip **ÜS 5** agate grey, Ø 72 mm



39570-00 Insulating duct **I 80**, Ø 85 mm, for air duct VR Ø 72, e.g. contact protection for Trumatic E 4000

39590-00 Clip **ZRS**, Ø 80 mm



## Air leadthrough for external fitted heater E 4000 A

39760-00 Air duct **LF**, Ø 106 mm (per metre)

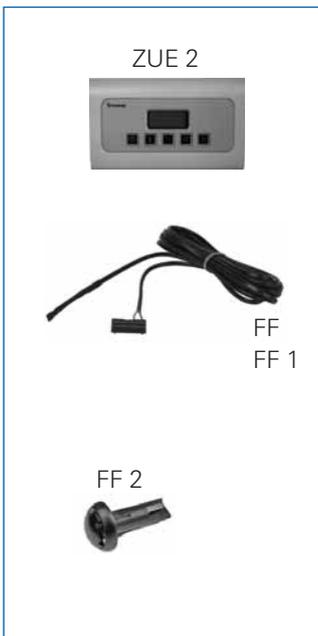
39770-00 Clip **LFS**, Ø 106 mm

39010-76900 Connector piece Ø 106 mm

39750-00 Air diffuser **LVE** (outlet for 2 x air duct VR Ø 72 mm) c/w protection grill and protective panel

The layout of the warm air distribution is individually matched to the type of vehicle, see from page 33.

## Accessories for electronics Trumatic E



39891-00 Time switch **ZUE 2**, 12 V / 24 V c/w cover frame and 4 metres cable

39010-78300 Extension cable **4 m**, for time switch ZUE 2 (not illustrated)

Remote sensor c/w cable to control the room temperature independantly from 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**, to control the room temperature independantly from the position of the control panel (not suitable for the installation inside loading compartments).

Please order also the cable.

34000-71900 Cable **4 m** for remote sensor FF 2

Extension cable for remote sensor FF 2 (not illustrated)

39010-78300 Extension cable **4 m**

39010-78400 Extension cable **10 m**



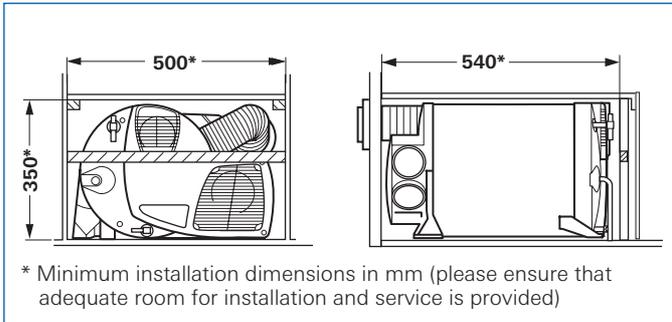
39010-78200 Multiple plug adaptor **MSD** with 0,3 m connection cable (for connecting different accessories, e.g. time switch and remote sensor)

Special control panel for installation in existing cut-outs (e.g. instrument panel) with thermostat, cable and installation frame

39050-39000 Special control panel with **4 m** cable

39050-38900 Special control panel with **10 m** cable

## Combi 4 (E), Combi 6 (E) – L.P. Gas and Electric heater with water boiler



	Combi 4		Combi 6		
Burner stage	1	2	1	2	3
Rated therm. 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

<b>Heating the water up time from approx. 15°C to approx. 60°C</b>	approx. 20 Min. (boiler) approx. 80 Min. (heater + boiler)
<b>Air flow rate</b>	Combi 4 max. 287 m <sup>3</sup> /h Combi 6 max. 287 m <sup>3</sup> /h
<b>Current input at 12 V</b>	
(heater + boiler)	Combi 4 <b>Ø 1.1 A</b> (0.2 - 5.6 A) Combi 6 <b>Ø 1.3 A</b> (0.2 - 5.6 A)
(heating up boiler)	0.4 A
<b>Rest current</b>	0.001 A
<b>Water capacity</b>	10 litres
<b>Water pressure</b>	max. 2.8 bar
<b>Weight</b>	(without water) Combi 4 14.5 kg Combi 6 15.6 kg
<b>Product Ident. Number</b>	CE-0085BS0085



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

### Part No.

33700-01	Combi 4, 30 mbar, 12 V
33710-01	Combi 4 E, 30 mbar, 12 V with electrical heating 230 V, 450 W
33800-01	Combi 6, 30 mbar, 12 V
33810-01	Combi 6 E, 30 mbar, 12 V with electrical heating 230 V, 450 W

Accessories for the control panel see page 40.

Flue kits and single flue parts see page 29.

Electrical accessory if the cowl is installed beneath or next to a window, see page 16.

### Accessories



34301-01	Extension cable <b>6 m</b>
34301-02	Extension cable <b>3 m</b>



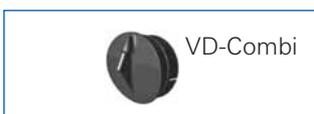
34043-01	Time switch <b>ZUCB</b> c/w 3 m cable
34301-03	Extension cable <b>6 m</b> for time switch ZUCB (not illustrated)



70070-01	FrostControl heating element with 1.5 m cable, for faster boiler filling, independently of the room temperature
----------	---

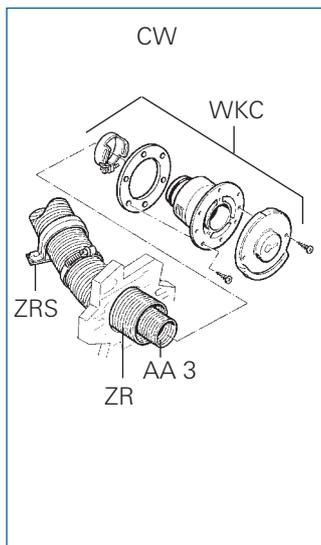


34091-01	Elbow <b>BGC</b> for direct connection to the warm air outlet of the heater Combi (E) (outlet for air ducts Ø 65 or 72 mm)
----------	---



34310-01	Blanking plug <b>VD-Combi</b> black for closing a warm air outlet at the heater Combi 4 (E)
----------	---

## Flue kits and single flue parts Combi and Trumatic C (EH)



### Part No.

Wall flue kit **CW** with 1 m exhaust duct, 1 m combustion air supply duct and clips (without cover)

34110-01	Wall flue kit CW cream
34110-02	Wall flue kit CW bianco
34110-09	Wall flue kit CW black
34110-10	Wall flue kit CW anthracite

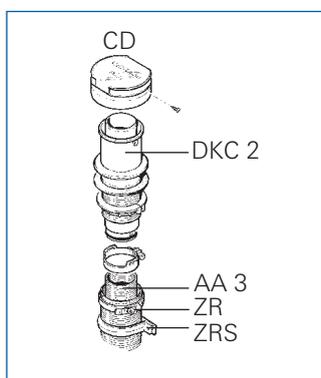
Wall flue **WKC** (without cover and ducts)

34011-01	Wall flue WKC cream
34011-05	Wall flue WKC bianco
34011-09	Wall flue WKC black
34011-10	Wall flue WKC anthracite

Exhaust duct **AA 3**, Ø 55 mm (per metre)

Combustion air supply duct **ZR**, Ø 80 mm (per metre)

Clip **ZRS**, Ø 80 mm



### Roof flue Trumatic C and C EH

Roof flue kit **CD** with 2.5 m exhaust duct, 2.5 m combustion air supply duct and clips (without cover)

Roof flue **DKC 2** (without cover and ducts)

Exhaust duct **AA 3**, Ø 55 mm (per metre)

Combustion air supply duct **ZR**, Ø 80 mm (per metre)

Clip **ZRS**, Ø 80 mm



### Accessories Trumatic C (EH)

Heating collar retrofit kit 230 V, for warm water with control panel in the new design (only for Trumatic C series 2)

Extension cable **5 m** for control panel (not illustrated)

Extension cable **5 m** for power selector switch C EH (not illustrated)

Time switch **ZUC 2** c/w 3 m cable and cover frame

Extension cable **5 m** for time switch ZUC 2 (not illustrated)

Remote control for the electrical safety-/ drain valve Series 2 **from 06/97**, c/w 3 m connecting cable

Cable extension **5 m** for remote control (not illustrated)

Flue extension **KVC** 30 cm

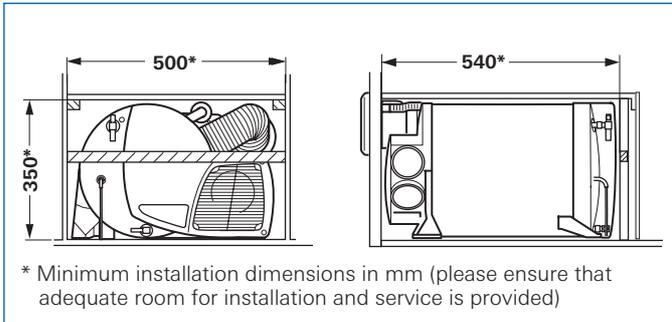
Flue leadthrough **SDDF** for caravan protection double-roofs

Elbow **BGC** for direct connection to the warm air outlet of the heater Trumatic C (outlet for air ducts Ø 65 or 72 mm)

Blanking plug **VD** agate grey for closing a warm air outlet at the heater Trumatic C 4002 or C 3402

U-clamp set, required when using warm air duct VR, Ø 72 mm (not illustrated)

## Combi D 6 – Diesel heater with water boiler



	normal operation			
<b>Burner stage</b>		1	2	3
<b>Rated therm. output</b>	1000 W	2000 W	4000 W	6000 W
<b>Fuel consumption</b>	110 ml/h	220 ml/h	452 ml/h	630 ml/h

<b>Heating the water up time from approx. 15°C to approx. 60°C</b>	approx. 20 Min. (boiler) approx. 80 Min. (heater + boiler)
<b>Air flow rate</b>	287 m <sup>3</sup> /h
<b>Current input</b>	(12 V)
(heater + boiler)	1,8 – 7 A (during normal operation)
(heating up boiler)	max. 1,8 A
<b>Rest current</b>	0.001 A
<b>Fuel</b>	Diesel in acc. with EN 590
<b>Water capacity</b>	10 litres
<b>Water pressure</b>	max. 2.8 bar
<b>Weight</b>	17,2 kg (without water, with peripherals)

\* during normal operation with moderate heat output of 1000 W.



Heater (without wall cowl and pipe set for exhaust ducting) complete with room thermostat, control panel with 3 m cable, fixings, FrostControl currentless safety/drain valve, elbow fittings for 10 mm diameter water hoses, fuel routing including metering pump and universal tank removal set.

### Part No.

33500-01 Combi D 6, 12 V



Accessories for the control panel see page 40.

Wall cowls and pipe sets see page 31.

Electrical accessory if the cowl is installed beneath or next to a window, see page 16.

### Accessories



Extension cable for control panel Combi D

34301-01 Extension cable **6 m**

34301-02 Extension cable **3 m**



34043-01 Time switch **ZUCB** c/w 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 boiler filling, independently of the room temperature



34091-01 Elbow **BGC** for direct connection to the warm air outlet (outlet for air ducts Ø 65 or 72 mm)

34610-01 Altitude kit for longer heater operation at elevations of 1500 to 2750 m (not illustrated)

## Wall cowls and pipe sets



WKCD

### Part No.

Wall cowl **WKCD** complete with extraction fan and connecting cable (without sound mufflers and exhaust ducts)

34400-01	Wall cowl WKCD cream
34400-02	Wall cowl WKCD bianco
34400-03	Wall cowl WKCD black
34400-04	Wall cowl WKCD anthracite



CDW

Pipe set **CDW** complete with sound mufflers for combustion air and exhaust, incl. lock washer and insulating duct

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



34020-45200	Spare lock washer if pipe set requires shortening (lock washer tool required for installation)
-------------	--

**Note:** Vehicle-specific tank removal sets for easy metering pump connection to the fuel supply are available on request.

## Special tools (prices net - also for specialist shops)



34020-44700	Filling unit for rapid fuel line filling
-------------	--



34020-45000	Lock washer tool for installing the lock washer if the pipe set requires shortening.
-------------	--



34020-47500	Diagnosis adapter for diesel burner, including PC connecting cable (serial interface) and USB adapter
-------------	---



34020-45300	Hose cutter for cutting off the fuel hose or the fuel line
-------------	--

## Trumavent fans for the heater Trumatic S (not for Truma S 55 T)



	<b>TEB-2 (12 V)</b>	<b>TN-2 (230 V)</b>
<b>Current input</b>	0.3 - 1 A (4 - 13 W)	0.5 A (65 W)
<b>Air flow with air duct</b>	<b>ÜR Ø 65 mm</b>	135 m <sup>3</sup> /h
	<b>VR Ø 72 mm</b>	142 m <sup>3</sup> /h
		169 m <sup>3</sup> /h
		182 m <sup>3</sup> /h

### Part No.

41122-01	Trumavent fan <b>TEB-2, 12 V</b> with automatic speed control and control panel to fit in front case, only for Trumatic S 3002 and S 5002 with new design)
41122-02	Trumavent fan <b>TEB-2, 12 V</b> as above with external control panel
41232-01	Trumavent fan <b>TEN-2, 12 V</b> fan with automatic speed control, control panel to fit in front case and Transformer 230 /12 V, only for Trumatic S 3002 and S 5002 with new design)
41232-02	Trumavent fan <b>TEN-2</b> , as above with external control panel
41222-01	Trumavent fan <b>TN-2, 230 V</b> with external control panel

Accessories for external control panels see page 40.



40000-47700	Transformer SPU, 230 /12 V, for connecting the Trumavent fan TEB-2 to a 230 V input 230 V, 50 Hz, 30 W output 12 V, 1.5 A max.
-------------	--

## Multivent-Fan TBM



For warm air distribution of the heater Trumatic S 2200, as an additional fan for increasing the air output in particularly long warm air duct systems or as an extractor fan in the kitchen or bathroom (in conjunction with an intake nozzle DM).

<b>Length / Breadth / Height</b>	150 mm / 130 mm / 124 mm
<b>Air flow rate</b>	partial load 29 m <sup>3</sup> /h
	full load 60 m <sup>3</sup> /h
<b>Current input</b>	partial load 0.23 A
	full load 0.5 A

41141-01	Multivent fan <b>TBM, 12 V</b> universal fan
----------	--

Accessories for the control panel see page 40.



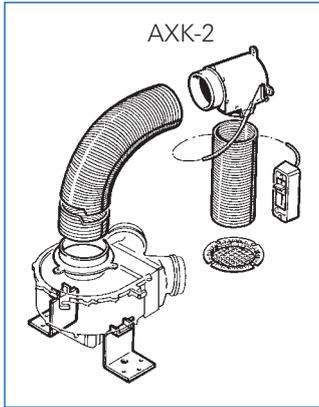
### Accessories

40670-00	Air intake nozzle <b>DM</b> for connecting the Multivent fan to the heater rear panel or installation box (suitable for air ducts ÜR Ø 65 mm)
----------	---



30630-02	Roof flue <b>AKR</b> for ventilation outlet (with rain protection)
----------	--

## Truma Comfort kit with Airmix



### Part No.

- 40621-01 Comfort kit **AXK-2**, c/w Airmix, for Trumavent fans after **05/96** (not for motor homes or floor flued heaters - not for Truma S 55 T)
- 40000-47900 Control panel cable **1,3 m** long, **necessary** for Trumavent fans TEB 2 **from 05/96** with the control panel integrated in the front case of the heater (not illustrated)

## Accessories for warm air ducting



- 40230-00 Air duct **ÜR**, Ø 65 mm (per metre)
- 40241-01 Clip **ÜS** agate grey, Ø 65 mm



- 39550-00 Air duct **VR**, Ø 72 mm (per metre)
- 40261-01 Clip **ÜS 5** agate grey, Ø 72 mm



- 39450-00 Air duct **VR 80**, Ø 80 mm (per metre)
- 39590-00 Clip **ZRS**, Ø 80 mm



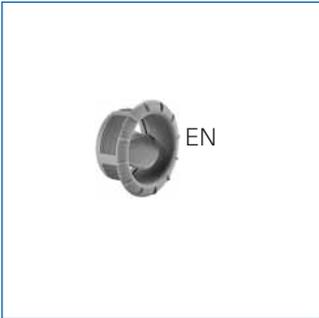
- 40681-00 Insulated waterproof air duct **DRI**, Ø 75 mm, standard length 2 m
- 40261-01 Clip **ÜS 5** agate grey, Ø 72 mm



- 39170-00 Air duct **ZR 18**, Ø 49 mm
- 39190-00 Clip **ZRS 18**, Ø 49 mm



- 40210-00 Air duct **AZR**, Ø 22 mm (per metre)
- 40220-00 Clip **AZS**, Ø 22 mm

	<b>Part No.</b>	
	40151-02	T-pipe <b>LT</b> agate grey for air ducts Ø 65 or 72 mm
	40181-01	Nut <b>EM</b> agate grey
		End outlet <b>EN</b> with air throttle, fitting for flow-T LT, end outlet-nut EM, and tubes Ø 65 mm
	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
	40171-08	End outlet EN silver
	40171-09	End outlet EN olive brown
	40171-25	End outlet <b>EN-L</b> black, for rounded furniture items and thicker walls up to a maximum of 43 mm.
	40171-07	End outlet <b>EN-O</b> agate grey without air throttle, for lamella inset LA
		Lamella inset <b>LA</b> to attach onto ending outlet EN-O, direction of air flow is adjustable 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
	40101-01	Panel <b>BL 22</b> agate grey with air outlet Ø 22 mm, to strongly reduce the volume of the air flow
	40101-02	Panel <b>BL 30</b> agate grey with air outlet Ø 30 mm, to slightly reduce the volume of the air flow
		Swivelling air outlet <b>SCW 2</b> a non-closable air outlet for the heaters Trumatic E, Trumatic C and Combi (D) for air ducts Ø 80, 72 or 65 mm
	39971-01	Swivelling air outlet SCW 2 black
	39971-02	Swivelling air outlet SCW 2 beige
	34020-24000	Clips, 3 pcs. for T-pipe LT, T-piece TS and Combi for better air pipe securing (not illustrated)

**Part No.**

40151-01 T-pipe **TS** agate grey  
for air ducts Ø 65 or 72 mm



40701-01 Wall outlet vent **WL** agate grey  
for air ducts Ø 65 or 72 mm



40191-01 **Y**-pipe agate grey  
for air ducts Ø 65 or 72 mm



39010-76400 Elbow **BG** black  
for air ducts Ø 65 or 72 mm



Duct shut off to centrally close an air leadthrough  
for air ducts Ø 65 or 72 mm

40121-01 Cord operated duct shut off **SP** agate grey

40121-02 Remote controlled duct shut off **SP 2** agate  
grey with a bowden cable and a control  
slide for fitting on a wardrobe



40161-01 Straight coupling **ÜM** agate grey  
for air ducts Ø 65 or 72 mm



40131-01 Branch-T **AT** agate grey, e.g. for refrigerator  
ventilation in summer for air ducts Ø 65 or  
72 mm, outlet Ø 22 mm



40391-01 Pipe cover **RD** agate grey  
for air ducts Ø 65 or 72 mm



40353-01 Blanking plug **VD** agate grey to close form  
parts



39010-81300 Reducer **RZ** black  
from air ducts Ø 72 mm to Ø 49 mm



40381-01 Reducer **RZ35** agate grey for air ducts  
Ø 65 or 72 mm for isotherm duct Ø 35 mm



40640-00 Duct casing **RA** length 65 cm,  
incl. 2 holding angles (without air outlet)



40660-00 Air intake nozzle **DT** Ø 80 mm  
(for fan connection in special cases)



## Truma Isotherm system

### Part No.

40301-01 Branch **AB35** agate grey for Isotherm system for air duct Ø 65, outlet Ø 35 mm



40320-00 Isotherm duct **IR** Ø 35 mm, perforated (per metre)

40320-01 Isotherm duct **IR** Ø 35 mm, not perforated (per metre)



40340-00 Double-clip **DS** for isotherm duct Ø 35 mm and air duct UR 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



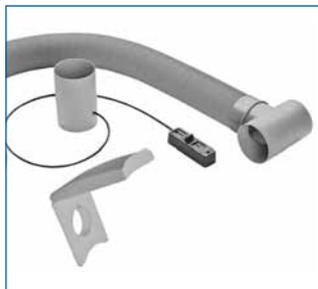
Warm air from the existing Truma heater is routed into the two swivelling support tubes

**Length / Width / Height** 76 cm / 4 cm / 8 cm

**Weight** 0.7 kg

40500-01 Towel dryer titanium silver incl. installation accessories

## Awning Warmer

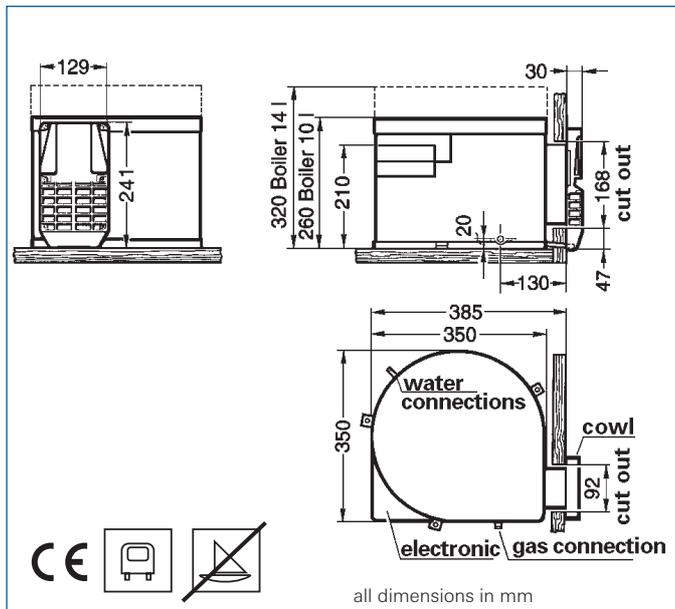


Awning warmer in the new design to conduct the warm air from the heater of the caravan directly into the awning, made up of air outlet with cover, 1 m air duct Ø 65 mm, T-pipe TS and remote controlled duct shut off SP 2.

40371-02 Awning warmer ivory

40371-01 Awning warmer white

## Boiler (EL)



### Heating time up from approx. 15°C to approx. 70°C

for 10 l water	Gas operation	approx. 34 min.
	Electrical operation	approx. 45 min.
	Gas and electrical	approx. 25 min.
for 14 l water	Gas operation	approx. 50 min.
	Electrical operation	approx. 72 min.
	Gas and electrical	approx. 38 min.

**Water hose connection** Pressure-tight hot water hose Ø 10 mm

**Gas consumption** 120 g/h

<b>Current consumption</b>	(12 V)	Ignition	0.17 A
		Heating up	0.08 A
		Standby	0.04 A
	(230 V)		3.7 A

**Water pressure** up to 2.8 bar

**Weight** (without water) Ultrastore 10 l 6.7 kg  
Ultrastore 14 l 7.3 kg

**Product Ident. Number** CE-0085AP0038

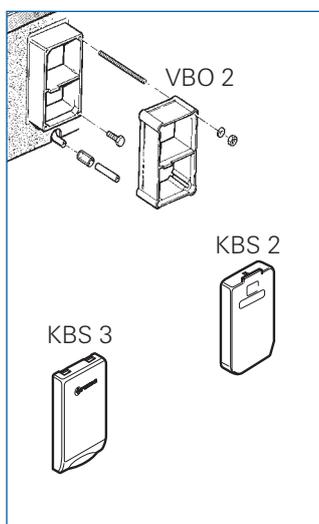


Water heater in the new design with flue cover KBS 3, control panel with 3 connecting cable, wall flue and safety/drain valve.  
Water heaters as a special model for the english market (Ultrastore) on request.

### Part No.

73000-01	Boiler B 10, 10 litres, 30 mbar
73000-21	Boiler B 10 EL, 10 litres, 30 mbar with electrical heating element for warm water 230 V, 850 Watt
73010-01	Boiler B 14, 14 litres, 30 mbar
73010-21	Boiler B 14 EL, 14 litres, 30 mbar with electrical heating element for warm water 230 V, 850 Watt

Accessories for the control panel see page 40.  
Accessories for the water system see page 39.  
Electrical accessory if the cowl is installed beneath or next to a window, see page 16.

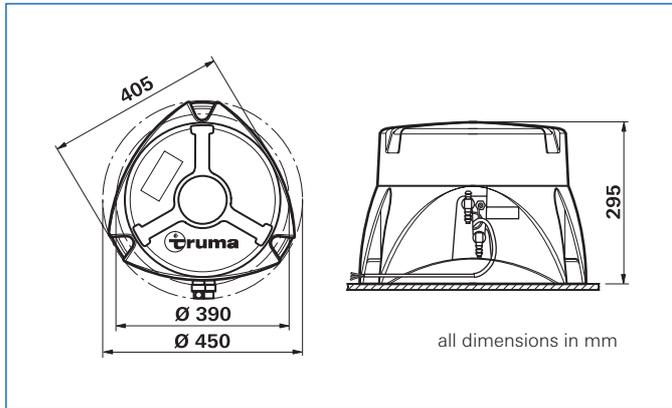


### Installation accessories

70000-53500	Cable extension <b>5 m</b> for control panel (not illustrated)
70131-00	Flue extension <b>VBO 2</b> , length 50 mm (for wall thickness over 35 mm necessary)
70121-01	Flue cover <b>KBS 2</b> for Truma boiler series 2 and 3 from 01/1992 until 06/2006
70122-01	Flue cover <b>KBS 3</b> white for Truma boiler after 07/2006

In difficult fitting situations within motor vehicle and caravan, the Truma Boat Boiler with flexible exhaust ducting via the wall or through the roof can be used.

## Electroboiler



**Heating time up from approx. 15°C to approx. 70°C:** approx. 70 min.  
**Water capacity:** 14 litres  
**Water pressure:** up to 2.8 bar  
**Water hose connection:** Pressure-tight hot water hose Ø 10 mm  
**Current consumption:** 850 Watt (3.7 A)  
**Weight (without water):** 3 kg



Electroboiler with control panel, 3 m connecting cable, and safety /drain valve

### Part No.

71200-01 Electroboiler for 14 litres  
with electrical heating element  
for warm water 230 V, 850 Watt (3.7 A)

Accessories for the control panel see page 40.  
Accessories for the water system see page 39.

## Truma Therme



The Truma Therme is warmed up by the electric heater element 230V or the warm air distribution of the Heating System.

**Heating time** From approx. 15°C to approx. 60°C approx. 50 min.  
**Electric heater element** 230 V ~ (300 Watt)  
**Temperature** 65°C  
**Length / Breadth / Height** 37 cm / 22 cm / 23 cm  
**Water capacity** 5 litres  
**Water pressure** max 1.2 bar  
**Weight** 2 kg (without water)

42013-01 Therme TT-2,  
c/w remote control and drain valve and  
breather valve (without mixing valve)

Accessories for the control panel see page 40.  
Accessories for the water system see page 39.

## Accessories for the water system



### Part No.

40712-01 Hose clip **SC** agate grey for securing two flexible water hoses on the warm air duct (also suitable for 12 mm semi-rigid piping – John Guest System)



70000-03300 Non return valve for flexible water hose **Ø 10 mm** (essential extra for immersion pumps)



70020-03500 Non return valve with a connector **Ø 12 mm** for semi-rigid piping (John Guest System)



## Accessories for Boiler and Electroboiler

Safety / drain valve **ABO** in some fitting situations an additional valve will be necessary

70141-02 Safety / drain valve **ABO 2,8 bar** for flexible water hose **Ø 10 mm**

70142-05 Safety / drain valve **ABO 2,8 bar** with a connector **Ø 12 mm** for semi-rigid piping (John Guest System)

70141-01 Safety / drain valve **ABO 2 bar** for flexible water hose **Ø 10 mm**



## Accessories for Therme

40020-00900 Drain valve with double connection

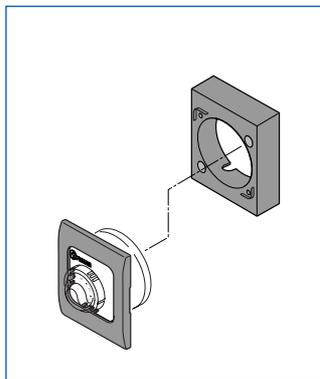


40020-00300 Mixing valve for Truma Therme



70141-10 Safety / drain valve **ABO 1,5 bar**, for flexible water hose **necessary** when connecting the Truma Therme to a central water supply (city mains)

## Accessories for control panels

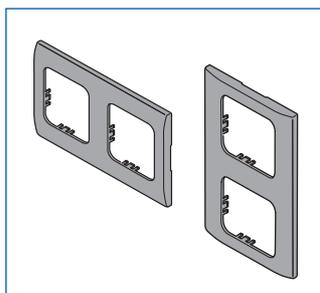


### Part No.

40000-52600 Surface-mounting frame for control panels

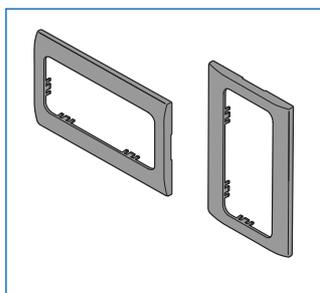
### Cover frames for control panels (standard)

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



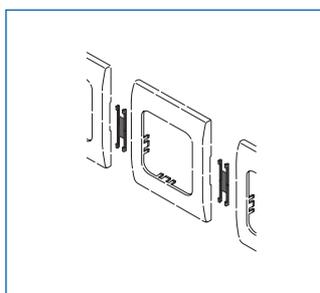
### Cover double frame for control panels (standard)

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

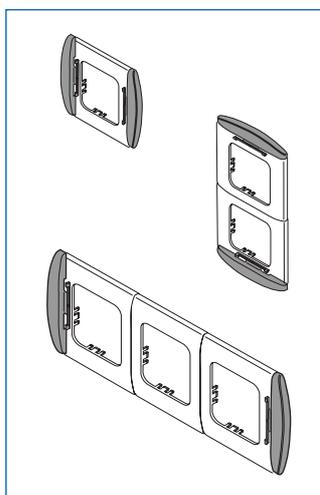


### Large cover frame for time switches

34000-65200 Large cover frame agate grey (standard)  
 34000-72800 Large cover frame black  
 34000-72600 Large cover frame platinum  
 34000-72700 Large cover frame gold



34000-65900 Line-up clip, to connect two cover frames



### Side parts, provide a visually striking way to round off the cover frames (2 parts are necessary)

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

## Truma Nova gaslight



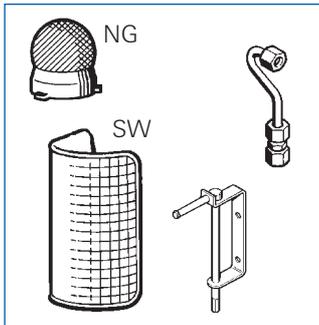
The Truma Novagas light is available with an operating pressure of 50 mbar on request

**Output** up to approx 60 Watt  
**Gas consump** 10 - 40 g/h  
**Product Ident Number** NLZS CE-0085AQ1055

### Part No.

12310-01 Nova gaslight **NLZS, 30 mbar**, with safety ignition device (c/w a white fibre glass shade **SW**, 2 screw-on mantle and heat deflector)

### Accessories



10200-00 Screw-on mantle **NG**  
 10000-38000 On surface fitting for laying the gas supply line on surface  
 10310-01 Shade **SW** (fibre glass, white) for Nova gaslights NLZS and NLS  
 10000-05500 Flint ignitor

## Testing kits (prices net - also for specialist shops)



54100-00 Leak testing kit **DP**, Pressure pump with pressure gauge for leak testing liquid gas systems in vehicles or boats. c/w a protective bag and sealing nipple for testing two-cylinder gas units (pressure limitation at approx. 150 mbar)  
 50040-16000 Additional retrofitting set volume witz 600 cm<sup>3</sup> contents for small gas installations that do not reach the necessary control volume of 700 cm<sup>3</sup>

Flexible gas tube **W 40** for leak testing on vehicles

50610-01 Flexible gas tube W 40 1/4"LH, **8 mm** for 8 mm gas supply line

50650-01 Flexible gas tube W 40 1/4"LH, **10 mm** for 10 mm gas supply line



50020-61200 Test hose for all standard test pumps and for the integrated test connection of gas pressure regulator Truma SecuMotion and DuoControl



54110-00 Regulator testing kit **RP**, with pressure gauge for testing gas pressure regulators 30 or 50 mbar, fitted in a plastic box

50020-04100 Adapter screw union to connect a regulator test equipment to the test hose

Test adapter 1/4"LH, for gas supply line for testing the appliance regulator 30 or 50 mbar on the Truma Triomatic

50040-12900 Test adapter for **8 mm** gas supply line

50040-12800 Test adapter for **10 mm** gas supply line

## Special tools (prices net - also for specialist shops)



### Part No.

50000-13800 Gas-pipe bending pliers for gas supply line  
**Ø 8 x 1 mm**

50000-16100 Gas-pipe bending pliers for gas supply line  
**Ø 10 x 1 mm**



50000-14400 Gas-pipe cutter for gas pipes  
**Ø 8 mm and 10 mm** to cut gas pipes  
chip-free



39010-31800 Pre cutting key, for pre-assembling olives  
on gas tubes **Ø 8 mm and 10 mm**



50000-14500 Bore-crown **Ø 102 mm**  
for air duct leadthrough E 4000 A

50000-17500 Bore-crown **Ø 86 mm**  
for swiveling air outlet SCW 2

50000-13300 Bore-crown **Ø 83 mm** for wall flue Combi  
and Trumatic C, or wall-, roof-  
and floor flue Trumatic E 4000

50000-14600 Bore-crown **Ø 70 mm** for wall flue  
Trumatic E 2400, roof flue Trumatic  
S 5002 (E) or end air outlet EN

50000-14700 Bore-crown **Ø 64 mm**  
for floor flue Trumatic E 2400

50000-14800 Bore-crown **Ø 60 mm**  
for roof flue Trumatic S 2200 (P)  
and S 3002 (P)

50000-13400 Bore-crown **Ø 54 mm**  
for control panel installation

50000-13500 Bore-crown **Ø 22 mm**  
for the leadthrough of the gas supply line  
or control panel cables



50000-13600 Holder for Bore-crowns over **Ø 25 mm**

50000-12500 Spare drill bit **84 mm** long  
for holder over **Ø 25 mm**

50000-13700 Holder for Bore-crown **Ø 22 mm**

50000-11600 Spare drill bit **79 mm** long  
for holder **Ø 22 mm**



30030-33000 Stainless-steel exhaust duct bender



30030-08000 Duct cutting device for stainless-steel  
exhaust ducts

# Sale and Delivery Conditions

## 1. General

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.

Errors of any nature shall not be binding on us.

## 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. This shall not apply in respect of consumers.

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. Any restrictions on liability pertaining shall not apply to the sale of consumer goods.

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 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 foregoing acceptance of liability shall not apply to personal injury; it shall not apply to other damages, inasmuch as the cause of the damage rests on gross or wilful negligence; finally, it shall not apply inasmuch to an instance of damages caused by the absence of a property which we have guaranteed. 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

In the event of delivery being effected later than four months after the concluding of the contract, then our price valid on the day of delivery shall apply. We shall also be entitled to effect price increases in respect of persons in the meaning of Art. 310 BGB (Civil Code), if the delivery is effected within four months from the concluding of the contract, if the prices from our suppliers or other costs incurred on the merchandise (including public levies) increase between the concluding of the contract and the delivery. 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 (not consumers), 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. The preceding clauses concerning the return of goods do not apply if the purchaser is a consumer.

## 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 sales and delivery conditions apply to all customer sales and service.

Truma Gerätetechnik GmbH & Co. KG  
Postfach 1252  
85637 Putzbrunn  
Germany

Telephone +49 (0)89 4617-0  
Telefax +49 (0)89 4617-2116  
info@truma.com  
www.truma.com