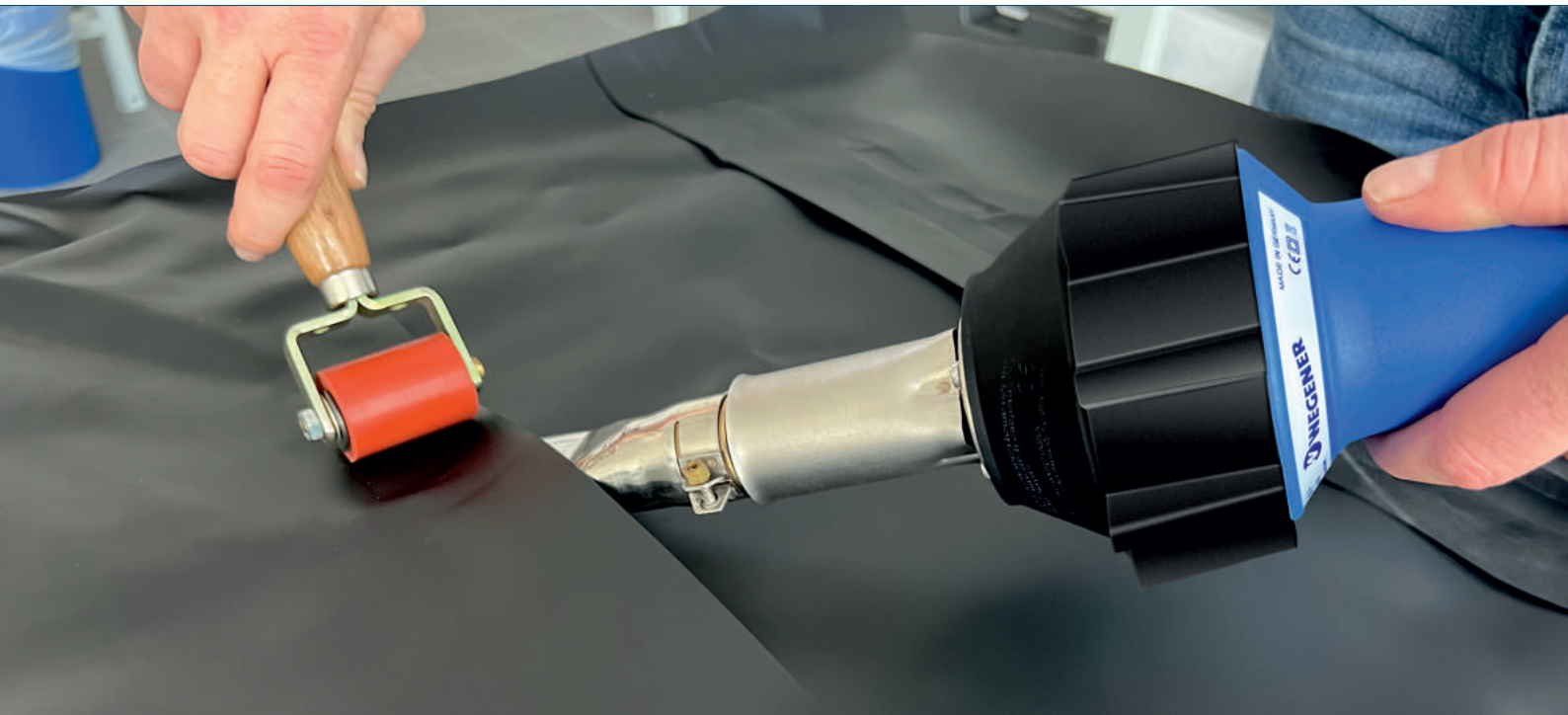


Hot Gas Welding Torches



Competence connects.



Hot Gas Welding Torches



Low weight and compact for best welding results

Our hot gas welders will convince you through their ergonomic design, compact size, low weight and unbeatable value for money. Thanks to the continuous further development of our devices, we can always offer you the latest and most innovative solutions in the field of hot gas welding technology. The devices can be used in a variety of fields to weld thermoplastic plastics, for example in apparatus and container construction, pipeline construction, ventilation construction, automotive, roof construction, landfill site technology and the motor vehicle trade. We can offer the best solution for any job. Hot gas welders from WEGENER ideally satisfy the basic technical conditions for welding in compliance with DVS guidelines.



Application

Hand welding with hot gas, also called high-speed hot gas welding or hot gas welding with a torch, is one of the most established and oldest methods for welding thermoplasts. The welding wire that is used and the welding areas are plastified by hot gas (air) and welded under pressure. This method is used primarily during work with thin-walled components (max. 10 mm) and is ideal for joining pre-cut boards for containers, channels and floor coverings. Plastic pipes for air and drinking water systems, roof gutters and window sections can also be processed with the handy hot gas welders.

Technical Data	Self-contained air supply		
	Exotherm Item no. 25555	Airtherm2 1500 Item no. 33726	Airtherm2 3000 Item no. 33727
Power supply:	230 V 1/N/PE 50/60 Hz	230 V 1/N/PE 50/60 Hz	230 V 1/N/PE 50/60 Hz
Power consumption:	1,000 W	1,500 W	3,000 W
Temperature *:	≤ 600 °C	≤ 700 °C	≤ 700 °C
Airflow (20 °C) contained air supply approx.:	ca. 60 l/min. self-contained air supply	ca. 300 l/min. self-contained air supply	ca. 400 l/min. self-contained air supply
Noise level:	< 70 dB (A)	< 70 dB (A)	< 70 dB (A)
Weight approx.**:	860 g	1.2 kg	1.3 kg
	Also in 120 V Version: 25556	Also in 120 V Version: 38060	

* = max. temperature deviates depending from the welding tip used. (We recommend 45 to 60 l/min for welding) ** = without connection lead Images may vary

Hot gas welders with self-contained air supply

Our hot gas welders with their self-contained air supply and integrated fans are ideal for assembly work and for operation on building sites.



Features

- Very handy, compact devices and slim design
- Self-contained powerful air supply
- Heating element safety cutout
- Integrated output control
- **Duratherm3 SC2 und Autotherm4 SC2:** combines the device features listed below with the powerful SC2 blower unit
- **Exotherm:** integrated temperature control, infinitely variable adjustment of welding temperature via push button, brushless blower motor, display of the actual and target temperature in the plaintext display and heating element safety shut off if the air support fails
- Temperature range infinitely variable

Hot gas welders with external air supply

Our latest generation of externally air-supplied hot gas welding devices, **Duratherm3** and **Autotherm4**, sets new standards in plastic welding technology! Both systems offer the optimal basis for quality-oriented plastic welding.

A special highlight is the newly developed quick-change system for the nozzle adapter. This allows nozzles equipped with the adapter to be changed quickly and even when hot – for virtually uninterrupted working.

Features

- illuminated welding area
- ergonomically optimized handle
- one hose for air and power supply
- Quick-change system - nozzle adapter for quick nozzle changes
- 270° rotatable hose connection including kink protection
- air shortage and heating element protection shutdown, integrated air volume monitoring
- 800 W heating element
- available with 4 m or 8 m hose supply line
- **Duratherm3:** integrated power control, LCD display showing the set power level
- **Autotherm4:** integrated temperature control, stepless adjustment of the welding temperature via control buttons, LCD display showing the actual and target temperature in plain text, recipe management for all common materials

		External air supply	
Duratherm3 SC2 Item no. 45289	Autotherm4 SC2 Item no. 45291	Duratherm3 Item no. 45253 (4 m) Item no. 45254 (8 m)	Autotherm4 Item no. 45257 (4 m) Item no. 45258 (8 m)
230 V 1/N/PE 50/60 Hz	230 V 1/N/PE 50/60 Hz	230 V 1/N/PE 50/60 Hz	230 V 1/N/PE 50/60 Hz
885 W	885 W	800 W	800 W
≤ 600 °C	≤ 600 °C	up to 600 °C	up to 600 °C
40 - 60 l/min. self-contained air supply	40 - 60 l/min. self-contained air supply	40 - 60 l/min. external air supply	40 - 60 l/min. external air supply
< 70 dB (A)	< 70 dB (A)		
965 g	965 g	465 g	465 g
Also in 120 V Version: 45290	Also in 120 V Version: 45292	Also in 120 V Version: 45255 (4 m) 45256 (8 m)	Also in 120 V Version: 45259 (4 m) 45260 (8 m)

contain optional accessories.

Welding nozzles for Hot Gas Welding Torches

Matching welding nozzles and fans for all of our hot gas welder models are available for every application. We can supply highquality, precision stainless steel nozzles as round, tacking and speed welding nozzles and as speed welding nozzles with tacking tip.



Tacking nozzle

10187 Tacking nozzle, model HD



Band Welding Nozzle with steel roll

13150 SSD/band 18 mm
20216 SSD/band 18 mm (with extension)



Round nozzle

10186 RD 4, for air outlet Ø 4 mm



Profile nozzles

11001 SSD/Prof. 3 x 3 x 4, for profile wire 90-4
11002 SSD/Prof. 3 x 3 x 5, for profile wire 80 / 90-5
11003 SSD/Prof. 4 x 4 x 6, for profile wire 80 / 90-6
11722 SSD/Prof. 5 x 5 x 5, for profile wire
11004 SSD/Prof. 5 x 5 x 6, for profile wire
11005 SSD/Prof. 5 x 5 x 7, for profile wire 80 / 90-7
11006 SSD/Prof. 6 x 6 x 8, for profile wire 90-8
11007 SSD/Prof. 7 x 7 x 7, for profile wire 60-7
18155 SSD/Prof. B&M rod, with re-inforced lip



Round nozzles with tacking tip

10172 RD/HD 3, for air outlet Ø 3 mm
10185 RD/HD 4, for air outlet Ø 4 mm



High speed welding nozzles

10175 SSD 3, for round wire Ø 3 mm
10176 SSD 4, for round wire Ø 4 mm
10177 SSD 5, for round wire Ø 5 mm
22887 SSD 3, for round wire Ø 3 mm (45° angled right)
22888 SSD 3, for round wire Ø 3 mm (45° angled left)
22889 SSD 4, for round wire Ø 4 mm (45° angled right)
22890 SSD 4, for round wire Ø 4 mm (45° angled left)

Welding nozzle customized edition

14416 Welding nozzle customized edition



Stainless steel cast nozzles

13020 SSD 3C, for round wire Ø 3 mm
17346 SSD 4C, for round wire Ø 4 mm
22103 SSD 5C, for round wire Ø 5 mm
22893 SSD 3C, for round wire Ø 3 mm (45° angled right)
22894 SSD 3C, for round wire Ø 3 mm (45° angled left)
22895 SSD 4C, for round wire Ø 4 mm (45° angled right)
22896 SSD 4C, for round wire Ø 4 mm (45° angled left)



Welding nozzles for fluoropolymer processing

17588 Speed Welding Nozzle Typ SD 4 mm



24254 Cap Strip nozzle
optimized for fluoropolymer processing 10 x 2 mm
24191 Cap Strip nozzle
optimized for fluoropolymer processing 12 x 2 mm
24170 Cap Strip nozzle
optimized for fluoropolymer processing 15 x 2,5mm



High speed welding nozzles with tacking tip

10173 SSD/HD 3, for round wire Ø 3 mm
10174 SSD/HD 4, for round wire Ø 4 mm
22891 SSD/HD 4, for round wire Ø 4 mm (45° angled right)
22892 SSD/HD 4, for round wire Ø 4 mm (45° angled left)
10181 SSD/HD 5, for round wire Ø 5 mm
11721 SSD/HD 6, for round wire Ø 6 mm



Wide slot nozzles

11173 Wide slot nozzle 15 mm (angled)
11174 Wide slot nozzle 20 mm (angled)



11505 Wide slot nozzle 30 mm
11175 Wide slot nozzle 40 mm



Stainless steel cast nozzles with tacking tip

11716 SSD/HD 3C, for round wire Ø 3 mm
11715 SSD/HD 4C, for round wire Ø 4 mm
22323 SSD/HD 5C, for round wire Ø 5 mm



Accessories for Airtherm

18400 Nozzle Ø 5 mm, for Airtherm2 1300/1500



18401 Triple Nozzle for Airtherm2 1300/1500



Band Welding Nozzle with teflon roll

11168 SSD/band 12 mm
11169 SSD/band 15 mm
11170 SSD/band 18 mm
11171 SSD/band 20 mm
11172 SSD/band 25 mm



18397 Wide slot nozzle 20 mm, for Airtherm2 1300/1500
18398 Wide slot nozzle 40 mm, for Airtherm2 1300/1500
18402 Wide slot nozzle 70 x 10 mm, for Airtherm2 3000
18403 Wide slot nozzle 75 x 2 mm, for Airtherm2 3000

Basic kits

All our Basic kits include:

- 1 Hot gas welder **Duratherm3** or **Autotherm4** with stated length and corresponding blower
- 1 tacking Nozzle HD
1 round nozzle RD 4 mm
1 speed welding nozzle SSD 4 mm
- 1 round brush for cleaning nozzles
- 1 Carrying case



Picture Autotherm4

Range of Application:

- Tanks and containers
- Pipeline construction
- Ventilation systems
- Automotive
- Roofing
- Landfill technology
- Car repair



Picture Basic kit Autotherm4 WEG AB 120L



Basic kit Duratherm3	Basic kit Autotherm4
Item no. 45438 (4 m) Item no. 45441 (8 m) each with blower model DT 6L for two hot gas welders	Item no. 45444 (4 m) Item no. 45447 (8 m) each with blower model DT 6L for two hot gas welders
Item no. 45439 (4 m) Item no. 45442 (8 m) each with blower model WEG AB 120L for two hot gas welders	Item no. 45445 (4 m) Item no. 45448 (8 m) each with blower model WEG AB 120L for two hot gas welders
Item no. 45440 (4 m) Item no. 45443 (8 m) each with blower model WEG AB 60	Item no. 45443 (4 m) Item no. 45446 (8 m) each with blower model WEG AB 60

Blower

Our blowers reliably supply hot gas welders with filtered and constant air volume. All our blowers are characterized by their low weight and exceptionally low running noise.



DT 6L
Item no. 10826



WEG AB 60
Item no. 24528



WEG AB 120L
Item no. 24530

A strong connection for your success



The WEGENER machines

Butt welding machines
Welding by bending machines
Foam welding machines



The WEGENER equipment

Extrusion welders
Hot gas welders
Wedge welders
Testers to check the quality



The WEGENER specialists

Customised and product-specific special machines
Crease-hinge machines, surface welding systems,
Pallet welding machines, edge sealing systems,
foam welding machines and many more
customised solutions



The WEGENER transfer of know-how

Application technology advice
Feasibility study
Training courses and seminars



The WEGENER service

Worldwide support
Commissioning on site
Spare parts service



WEGENER ONLINE

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