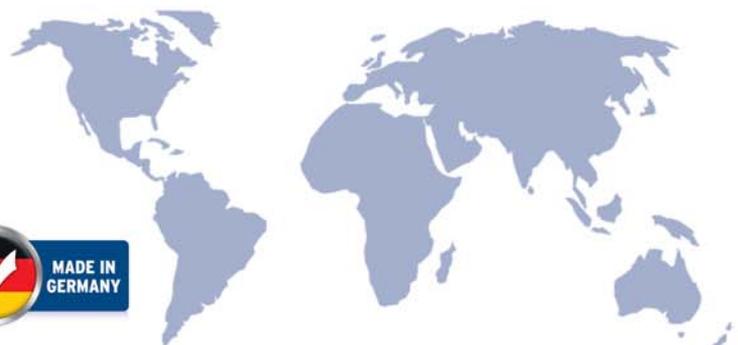


## Hot Gas Welding Torches



# Hot Gas Welding Torches

## The best in the compact class

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.



## External air supply: Duratherm and Autotherm3 models

Our hot gas welders with an external air supply combined with our precision fans with a constant air flow are ideal for processing thermoplastic plastics in industry and workshops or on building sites.

User-friendly and practical design through:

- Duratherm: integrated output control
- Autotherm3: integrated temperature control, infinitely variable adjustment of the welding temperature via push button, display of the actual and target temperature in the plaintext display
- Air and electricity supply in one hose package
- Hose connection points diagonally downwards
- Handle incl. nozzle can be turned relative to the hose connection
- Bend protection device at the hose connection
- Safety cutout if the air supply fails
- Heating element safety cutout
- Heating element 1,000 W
- Duratherm and Autotherm3 are available with a 4 m or 8 m feeder hose



## Self-contained air supply: Duratherm SC, Exotherm, Airtherm 1300/1600 and Airtherm 3000 models

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

User-friendly and practical design through:

- Very handy, compact devices and slim design
- Self-contained powerful air supply
- Integrated output control
- Heating element safety cutout
- 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 up to 600° C, infinitely variable

## Applications

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.



## external air supply

		Basic kit Duratherm		Basic kit Autotherm3	
		Item no. 10819 (4 m) Item no. 10820 (8 m) each with blower model DT 6L for two welding torches		Item no. 25727 (4 m) Item no. 25728 (8 m) each with blower model DT 6L for two welding torches	
Technical Data	Duratherm		Autotherm3		
	Item no. 10816 (4 m) Item no. 10817 (8 m)		Item no. 25550 (4 m) Item no. 25551 (8 m)		Item no. 25293 (4 m) Item no. 25294 (8 m) each with blower model WEG AB 120L for two welding torches
Power supply:	230 V 1/N 50/60 Hz		230 V 1/N 50/60 Hz		Item no. 25723 (4 m) Item no. 25724 (8 m) each with blower model WEG AB 60
Power consumption:	1,000 W		1,000 W		
Temperature*:	up to 600 °C		up to 600 °C		
Airflow (20 °C) external air supply:	40-60 l/min.		40-60 l/min.		
Weight approx.**:	450 g		460 g		
	Also in 120 V Version: 11187 (4 m) 11188 (8 m)	Consisting of:	Also in 120 V Version: 25553 (4 m) 25554 (8 m)		Consisting of:
		<ul style="list-style-type: none"> <li>Hot Air Welding Torch with named hose length and the corresponding blower</li> <li>Spare heating element 1,000 W</li> <li>One tacking nozzle HD, one round nozzle RD 4 mm, one speed welding nozzle SSD 4 mm, one round brush for cleaning nozzles</li> <li>Carrying case</li> </ul>			<ul style="list-style-type: none"> <li>Hot Air Welding Torch with named hose length and the corresponding blower</li> <li>Spare heating element 1,000 W</li> <li>One tacking nozzle HD, one round nozzle RD 4 mm, one speed welding nozzle SSD 4 mm, one round brush for cleaning nozzles</li> <li>Carrying case</li> </ul>

## self-contained air supply

		Duratherm SC		Exotherm		Airtherm 1600		Airtherm 3000	
		Item no. 10818		Item no. 25555		Item no. 18283		Item no. 18284	
Technical Data									
Power supply:		230 V 1/N 50/60 Hz		230 V 1/N 50/60 Hz		230 V 1/N 50/60 Hz		230 V 1/N 50/60 Hz	
Power consumption:		1,000 W		1,000 W		1,600 W		3,000 W	
Temperature*:		up to 600 °C		up to 600 °C		20 - 600 °C		20 - 600 °C	
Airflow (20 °C) contained air supply approx.:		60 l/min.		60 l/min.		300 l/min.		400 l/min.	
Noise level:		< 70 dB (A)		< 70 dB (A)		< 70 dB (A)		< 70 dB (A)	
Weight approx.**:		950 g		860 g		1,3 kg		1,5 kg	
		Also in 120 V Version: 17335		Also in 120 V Version: 25556		Also in 120 V Version: 18678			

## Blower



DT 6L  
Item no. 10826



WEG AB 60  
Item no. 24528



WEG AB 120L  
Item no. 24530

\* = max. temperature deviates depending from the welding tip used. (We recommend 45 to 60 l/min for welding)

\*\* = without connection lead

## Accessories

Matching welding nozzles and fans for all of our hot gas welder models are available for every application. We can supply high-quality, precision stainless steel nozzles as round, tacking and speed welding nozzles and as speed welding nozzles with tacking tip. Our fans reliably supply hand welders with a constant volume of filtered air. All of our fans are characterised by their low weight and extremely low running noise.



### Tacking nozzle

10187 Tacking nozzle, model HD



### Round nozzle

10186 RD 4, for air outlet Ø 4 mm



### 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)



### 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)



### 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



### 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



### 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



### Band Welding Nozzle with steel roll

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



### 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

### Welding nozzle customized edition

14416 Welding nozzle customized edition



### 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



### Wide slot nozzles

11173 Wide slot nozzle 15 mm  
11174 Wide slot nozzle 20 mm  
11505 Wide slot nozzle 30 mm  
11175 Wide slot nozzle 40 mm



### Accessories for Airtherm 1600 / Airtherm 3000

18400 Nozzle Ø 5 mm, for Airtherm 1600



18401 Triple Nozzle for Airtherm 1600



18397 Wide slot nozzle 20 mm, for Airtherm 1600  
18398 Wide slot nozzle 40 mm, for Airtherm 1600  
18402 Wide slot nozzle, 70 x 10 mm for Airtherm 3000  
18403 Wide slot nozzle, 75 x 2 mm for Airtherm 3000



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