

# MG 140

## Applications:

- > Hand soldering
- > Heavy duty and general soldering
- > Gluing, cleaning, filling
- > Fine dust
- > MEK
- > VOC
- > Clean room



## Attributes

- > Unit purifies air at up to 2 workplaces
- > High gasfilter volume
- > Electronic filter control with alarm function
- > Variable speed setting
- > 3 Step Filter System
- > Quick and simple installation
- > 4 Wheels for easy movement
- > Switch power supply 100 – 240V



MEK



SOLVENTS/VOC



CLEANROOM

**Can be equipped with a special filter suitable for different applications.**

The MG 140 is suitable for applications with a high demand of gas and particle filtration, e.g. soldering, adhesives, clean room work.

It can be placed and moved easily between different work places. Variable speed and alarm function for filter exchange can be set via the remote control.



ESD safe



low sound level

## Technical Data

Max. capacity	1–2 work places
Max. blower extraction rate	140 m³/h
Noise level	44 db (A) at 1 m distance
Voltage	100–240 V / 50/60 Hz
Electrical power	100 W
Max. blower vacuum	2.300 Pa
Dimensions (L x W x H)	350 x 335 x 655 mm
Weight	18 kg

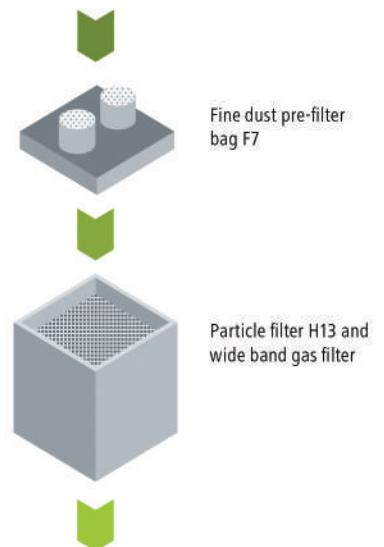
## Scope of supply

- > MG 140 Fume extraction unit 100–240 V / 50/60 Hz
- > Compact filter consists of: Particle filter H13, wide band gas filter (50 % active carbon / 50 % Chemisorb)
- > Pre-filter F7

## Accessories:

Remote control with cable Order No. 700-3057

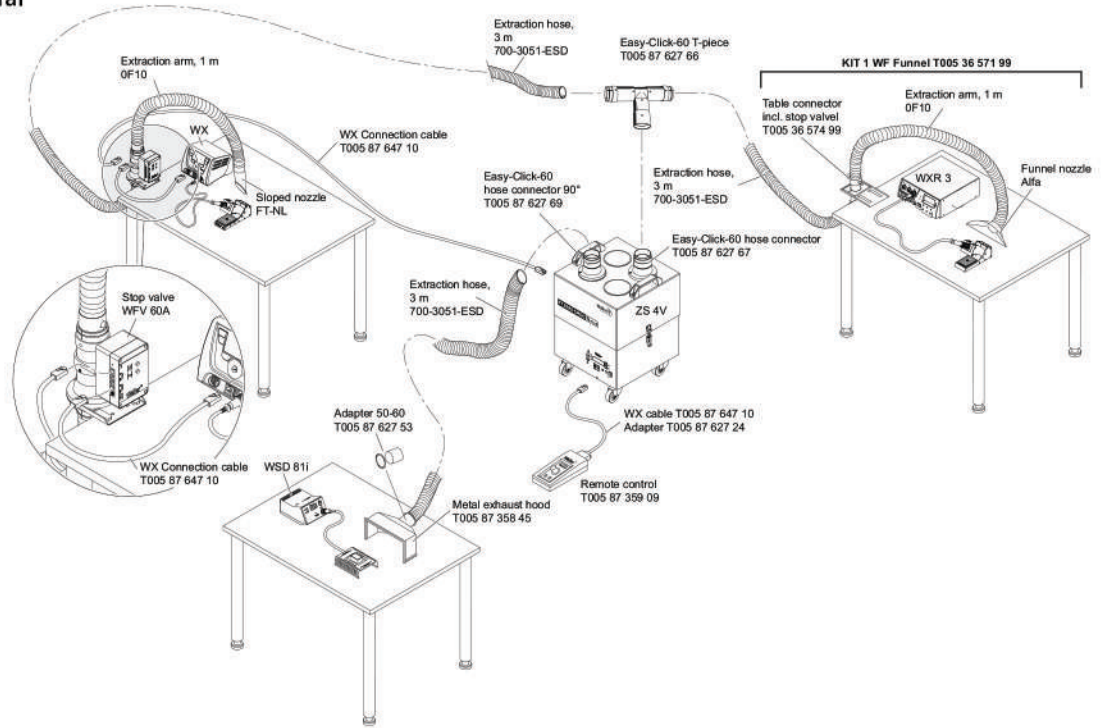
	Order No.
MG 140 Filter unit 230 V	145-1000-ESD
MG 140 Filter unit 230 V with cleanroom filter	145-1002-ESD
MG 140 Filter unit 120 V (USA)	U-145-1000-ESD
MG 140 Filter unit 120 V with cleanroom filter (USA)	U-145-1002-ESD



# Installation Options with Easy-Click-System

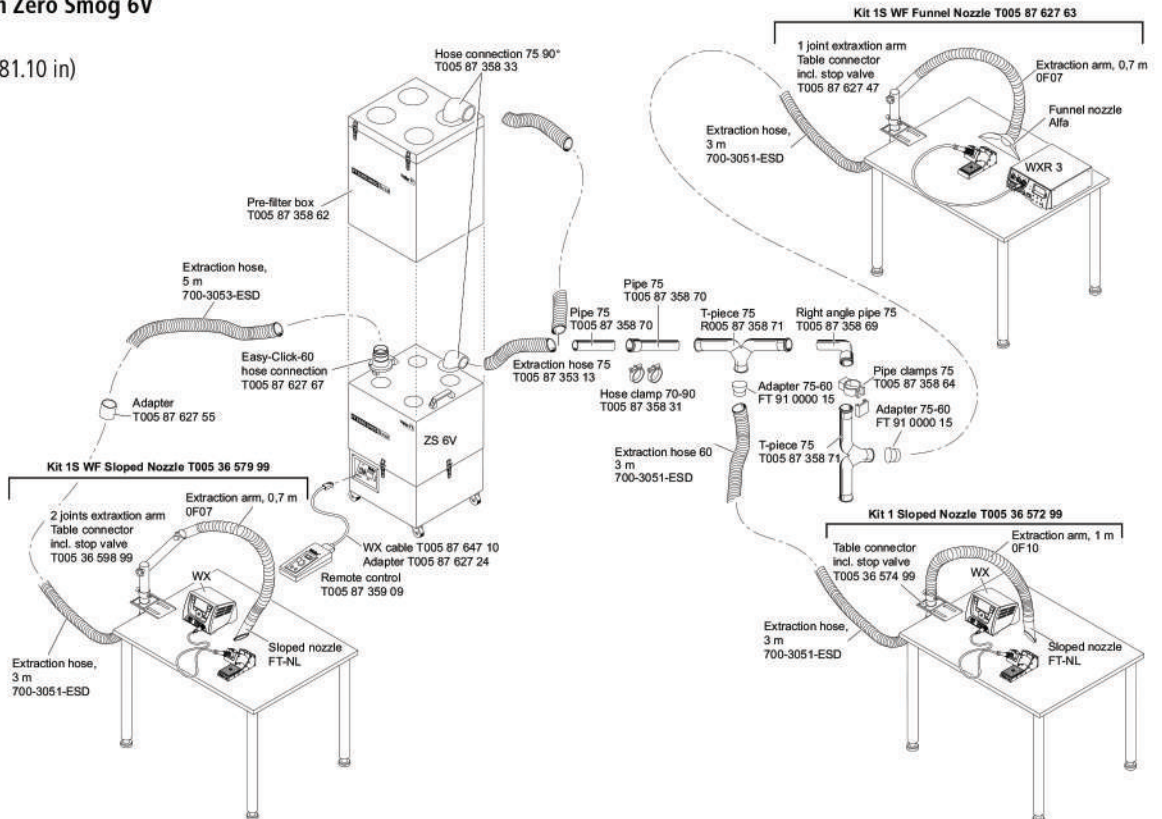
## Installation option for a central system with Zero Smog 4V

Total pipe length 15 m (590.55 in)



## Installation option for a central and stand alone system with Zero Smog 6V

Total pipe length 30 m (1181.10 in)



# Extraction Hood

## Extraction Hood Top

**FT Extraction Hood Top** for applications where fumes spread rapidly due to a drafty work environment. The hood can enclose the source, enabling fumes to be captured before they contaminate the workplace.



Technical Data	
Housing	PET not ESD safe
Dimensions (L x W x H)	860 x 510 x 460 mm 33,8 x 20,0 x 18,1 in

## Zero Smog 4 V Kit Extraction Hood Top

### Scope of supply

- > 700-3051-ESD WEHT Extraction hood top
- > 700-3051-ESD Extraction Hose Easy-Click 60, 3 m
- > T005 36 606 99 Zero Smog 4 V Extraction unit (see page 16)

Order No. FT91000024

## Extraction Hood Bottom

**WEHB Extraction Hood Bottom** for gluing or cleaning applications where gases from solvents or glue, lighter than air have to be extracted from below. The work place is covered with a punched stainless steel plate.



Technical Data	
Housing	PET not ESD safe
Dimensions (L x W x H)	860 x 510 x 460 mm 33,8 x 20,0 x 18,1 in

## Zero Smog 4 V Kit Extraction Hood Bottom

### Scope of supply

- > 700-3051-ESD WEHB Extraction hood bottom
- > 700-3051-ESD Extraction Hose Easy-Click 60, 3 m
- > T005 36 616 99 Zero Smog 4 V Extraction unit with adhesive fume filter (see page 16)

Order No. FT91000025

To guarantee sufficient extraction results an extraction unit with minimum 230 m<sup>3</sup>/h must be connected to the hoods ( FT Zero Smog 4V).

Extraction Arms from FT feature very slow pressure drop and are excellent for connecting to central ventilation systems.

The diagram below shows the pressure drop in some of the standard arms.



Kit 1 WF Funnel / Sloped



700-3051-ESD



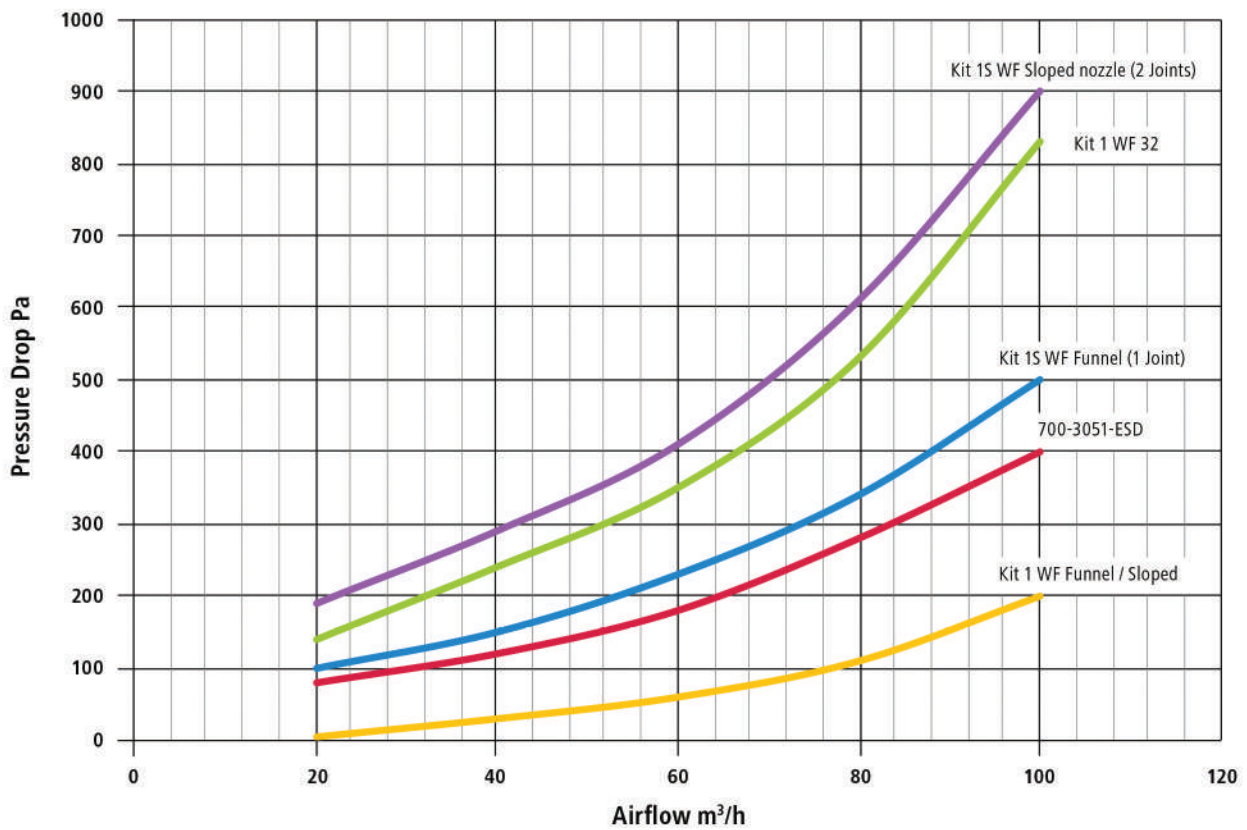
Kit 1S WF Funnel (1 Joint)



Kit 1 WF 32



Kit 1S WF Sloped Nozzle (2 Joints)



# Easy-Click-60 Extraction Arms

- > Extraction arm for application with less space



## Kit 1 WF 32



Order No.	Description
<b>T005 87 627 70</b>	<b>Easy-Click-60 extraction arm with sloped nozzle Ø 60 mm, length 1 m, Ø 32 mm, stop valve</b>
Consists of:	
T005 36 574 99	Stop valve with bench mounting brackets
700-3051-ESD	Extraction hose, flexible, 3 m, Ø 60 mm
T005 36 580 99	Extraction arm Ø 32 mm, 1 m
T005 87 628 34	Sloped Nozzle

- > With funnel nozzle



## Kit 1 WF Funnel



Order No.	Description
<b>T005 36 571 99</b>	<b>Easy-Click-60 extraction arm with funnel, width 230 mm, height 100 mm, flexible arm, Ø 60 mm, length 1 m, with stop valve</b>
Consists of:	
T005 36 574 99	Stop valve with bench mounting brackets
700-3051-ESD	Extraction hose, flexible, 3 m, Ø 60 mm
0F10	Extraction arm Ø 60 mm, 1 m
ALFA	Funnel nozzle

- > With sloped nozzle



## Kit 1 Sloped Nozzle



Order No.	Description
<b>T005 36 572 99</b>	<b>Easy-Click-60 extraction arm with sloped nozzle, Ø 60 mm, length 1 m, stop valve</b>
Consists of:	
T005 36 574 99	Stop valve with bench mounting brackets
700-3051-ESD	Extraction hose, flexible, 3 m, Ø 60 mm
0F10	Extraction arm Ø 60 mm, 1 m
FT-NL	Sloped nozzle

> 2 joint arm and sloped nozzle



## Kit 1S Sloped Nozzle



Order No.	Description
<b>T005 36 579 99</b>	<b>Easy-Click-60 2 joint aluminium extraction arm with sloped nozzle, stop valve, length 1,5 m</b>
Consists of:	
T005 36 598 99	2 joint arms with stop valve and bench mounting brackets
700-3051-ESD	Extraction hose, flexible, 3 m, Ø 60 mm
OFO7	Flex. extraction arm Ø 60 mm, 0,7 m
FT-NL	Sloped nozzle

> 1 joint arm and funnel nozzle



## Kit 1S Funnel Nozzle



Order No.	Description
<b>T005 87 627 63</b>	<b>Easy-Click-60 1 joint aluminium extraction arm with funnel nozzle, stop valve, length 1,14 m</b>
Consists of:	
T005 87 627 47	1 joint arm with stop valve and bench mounting brackets
700-3051-ESD	Extraction hose, flexible, 3 m, Ø 60 mm
OFO7	Flex. extraction arm Ø 60 mm, 0,7 m
ALFA	Funnel nozzle



## Extraction Tripod



Order No.	Description
FT91000026	<b>Easy-Click-60 1 joint extraction tripod</b> for volume extraction in higher work area like soldering in switch cabinets. Ready for mounting on Zero Smog 4 V and WFE 2S. Measurements with extraction unit: High 1300 mm, Joint 213 mm (without Zero Smog 4V)

> 1 Joint Arm



## 1 Joint Extraction Arm



Order No.	Description
T005 87 627 47	<b>Easy-Click-60 1 joint aluminium extraction arm</b> with valve and bench mounting brackets

> 2 Joint Arm



## 2 Joint Extraction Arm



Order No.	Description
T005 36 598 99	<b>Easy-Click-60 2 joint aluminium extraction arm</b> with valve and bench mounting brackets

> Ball Joint Arm



## Ball Joint Extraction Arm



Order No.	Description
FT-3446	<b>Easy-Click-60 ball joint aluminium extraction arm</b> with valve and ball joint bracket

> 1 Joint Double Arm



## 1 Joint Double Arm



Order No.	Description
FT-4402	<b>Easy-Click-60 1 joint double aluminium extraction arm</b> with valve and bench mounting brackets

> 1 Joint Extension

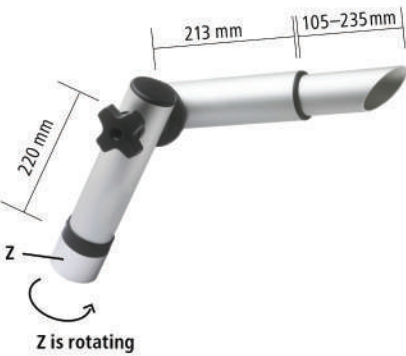


## Extension Rotating Joint



Order No.	Description
FT-3417	<b>Easy-Click-60 extension joint rotating</b> for all Easy-click aluminium extraction arms

> 1 Joint Extension



## Extension Rotating Joint with P nozzle



Order No.	Description
FT-3475	<b>Easy-Click-60 extension rotating joint</b> with length adjustable sloped 45° P nozzle for all Easy-click aluminium extraction arms

> Wall Mounting Arm



## 1 Joint Wall Mounting Arm



Order No.	Description
FT-3470	<b>Easy-Click-60 1 joint aluminium extraction arm</b> for wall mounting with valve





## WF 32 Extraction Arm



Order No.	Description
T005 36 580 99	<b>ESD microscope extraction arm</b> , flexible, Ø 32 mm, aluminium nozzle sloped 45°, length 1 m



## Flexible Extraction Arm, Ø 32 mm



Order No.	Description
3-0F05	Flexible, adjustable arm, Ø 32 mm, length 0,5 m
3-0F07	Flexible, adjustable arm, Ø 32 mm, length 0,7 m
3-0F15	Flexible, adjustable arm, Ø 32 mm, length 1,5 m



## Flexible Extraction Arm, Ø 60 mm



Order No.	Description
0F05	Flexible, adjustable arm, length 0,5 m incl. connection (female) in both ends
0F07	Flexible, adjustable arm, length 0,7 m incl. connection (female) in both ends
0F10	Flexible, adjustable arm, length 1,0 m incl. connection (female) in both ends
0F15	Flexible, adjustable arm, length 1,5 m incl. connection (female) in both ends
0F20	Flexible, adjustable arm, length 2,0 m incl. connection (female) in both ends

## Extraction Arm Nozzles











Order No.	Description
ALFA	<b>Easy-Click-60 funnel nozzle*</b> 225 mm x 100 mm
ALFA-T	<b>Easy-Click-60 transparent funnel nozzle*</b> 225 mm x 100 mm



Not ESD safe

## Extraction Arm Accessories



Order No.	Description	
FT-N	<b>Easy-Click-60 metal sloped nozzle*</b> Ø 50 mm, length 130 mm	 ESD safe
FT-NL	<b>Easy-Click-60 metal sloped nozzle*</b> Ø 60 mm, length 130 mm	 ESD safe
FT-NS	<b>Easy-Click-60 metal tube nozzle, sloped with grid*</b> Ø 50 mm, length 130 mm	 ESD safe
FT-P	<b>Metal tube nozzle sloped</b> for aluminium arms, length adjustable (105–235 mm), Ø 50 mm	 ESD safe
T005 87 628 34	<b>Metal sloped nozzle 32</b> for 32 mm flex arms, Ø 31 mm, length 100 mm	 ESD safe
FT-U	<b>Easy-Click-60 nozzle*</b> width 190 mm, length 100 mm	 ESD safe
T005 87 358 45	<b>Metal exhaust hood</b> 200 x 100 mm (7.87 x 3.93 in), recommended for use with hot air soldering operations incl. adapter T005 87 627 53	 ESD safe
Z	<b>Adapter</b> to mount nozzles on aluminium arm with possibility to turn the nozzle	 ESD safe

\* to be mounted on an aluminium extraction arm without flexible hose, adapter Z is needed.  
See extraction arms accessories.

## Accessories



Order No.	Description
700-3026	<b>Cleaning Brush</b> for 60 mm flexible arms



T005 87 627 67	<b>Easy-Click-60 hose connector male, straight</b> for WFE 2S, WFE 4S, ZS 4V, ZS 6V and pre-filter box
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T005 87 627 69	<b>Easy-Click-60 hose connector male, angle 90°</b> for WFE 2S, WFE 4S, ZS 4V, ZS 6V and pre-filter box
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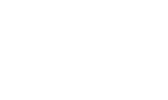


## Extraction hose



Order No.	Description
700-3040-ESD	<b>Easy-Click-60 extraction hose,</b> Ø 60 mm incl. quick connections, length 1 m
700-3041-ESD	<b>Easy-Click-60 extraction hose,</b> Ø 60 mm incl. quick connections, length 2 m
700-3051-ESD	<b>Easy-Click-60 extraction hose,</b> Ø 60 mm incl. quick connections, length 3 m
700-3053-ESD	<b>Easy-Click-60 extraction hose,</b> Ø 60 mm incl. quick connections, length 5 m

## Accessories









Order No.	Description
T005 87 627 55	<b>Easy-Click-60 male adapter</b> for hose extension, Ø 60 mm
T005 87 627 72	<b>Easy-Click-60 female adapter</b>
T005 87 627 73	<b>Easy-Click-60 male adapter 90°</b>
T005 87 620 36	<b>Extraction hose 60 m</b> heavy construction, sold by meter (max. length 15 m)
T005 87 627 68	<b>Easy-Click-60 hose connection female 60 mm</b> for flexible hose T005 87 620 36
300-3011	<b>Easy-Click-60 hose connection female 60 mm</b> for flex arms with 2 rivets
T005 87 358 47	<b>Hose connection 50</b> for WFE 2S, WFE 4S, ZS 4V and ZS 6V. For connection to 50 mm (1.96 in) pipe or extraction hose
T005 87 358 48	<b>Hose connection 50, 90°</b> for WFE 2S, WFE 4S, ZS 4V and ZS 6V. For connection to 50 mm (1.96 in) pipe or extraction hose
T005 87 353 27	<b>Extraction hose 50</b> Ø 50 mm (1.96 in), for connection to pipe system 50, sold by meter
T005 87 358 79	<b>Hose clamps</b> 50–70 mm (1.96–2.75 in), 2 units, for securing extraction hose 50
T005 87 358 32	<b>Hose connection 75</b> for WFE 2S, WFE 4S, ZS 4V, ZS 6V e.g. for connection to a stand alone system by means 75 mm (2.95 in) pipe or 75 mm (2.95 in) extraction hose. Plastic, black.
T005 87 358 33	<b>Hose connection 75, 90°</b> for WFE 2S, WFE 4S, ZS 4V, ZS 6V e.g. for connection to a stand alone system by means 75 mm (2.95 in) pipe or 75 mm (2.95 in) extraction hose. Plastic, black.
T005 87 353 13	<b>Extraction hose 75</b> Ø 75 mm (2.95 in), for connection to pipe system 75. Sold by metre. Plastic, grey/black, flexible.
T005 87 358 31	<b>Hose clamps</b> 70–90 mm (2.75–3.54 in), 2 units, for securing extraction hose 75

75 mm Pipe System see page 44




## Accessories Installation Volume Extraction

Order No.	Description	
T005 87 627 66	<b>Easy-Click-60 T-piece</b> with 2 male connections and 1 female connection	 ESD safe
T005 87 627 74	<b>Easy-Click-60 end cap</b> female, 60 mm, click connection	 ESD safe
T005 87 627 71	<b>Adapter</b> male, Ø 75 mm to Easy-Click-60 female	 ESD safe
FT91000015	<b>Adapter</b> male 75 to male 60	 ESD safe
T005 87 627 50	<b>Adapter 40/60</b> for Easy-Click-60 extraction arms on 50 mm WFEMP50 power socket	 ESD safe
T005 87 627 53	<b>50/60 Adapter with silicone O-ring</b> to connect Easy-Click 60 mm hoses to WFE 2ES, WFE 2CS, WFE 2S, MP or MG units or 50 mm tubes	 ESD safe

## Accessories

Order No.	Description
800-5001	<b>Connection hose aluminium coated Ø 100 mm</b> by meter (max length 6 m/pc)
800-5011-ESD	<b>Connection hose aluminium coated Ø 160 mm</b> by meter (max length 6 m/pc)
800-5002	<b>Reduction 100/63 mm</b> incl. quick connection
800-5004	<b>Reduction 80/63 mm</b> incl. quick connection
800-5012	<b>Reduction 160/100 mm</b>




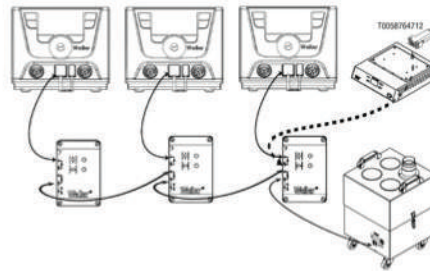
Order No.	Description	
T005 36 574 99	<b>Easy-Click-60 Stop valve</b> Table connector for 60 mm (2.36 in) flex arm and extraction tube including air flow valve and 2 bench mounting brackets, male / male	 ESD safe



T005 36 575 99	<b>Bench mounting brackets, 2 x</b> Maximum width of clamp 100 mm (3.93 in), Ø 100 mm (3.93 in), metal	
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T005 87 627 46	<b>Easy-Click WFV 60 A Automatic valve</b> including 2 bench mounting brackets, WX soldering station controlled automatic valve, male / male	 ESD safe
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T005 87 627 65	<b>Easy-Click WFV 60 Stop valve</b> male/female for extraction arms without valve	 ESD safe
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T005 87 628 08	<b>Replacement butterfly valve plate</b> for stop valve	 ESD safe
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FT-W	<b>Replacement butterfly valve</b> axis rod and handle	
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780-3001-ESD	<b>Hanging device</b> for table mounting for fume extraction unit WFE 2X, MG 100, MP 140 including 2 brackets	
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## Exhaust accessories to blow waste air out of a building

Order No.	Description
T005 87 359 20	<b>Exhaust adapter</b> of pipe 100 to fume extraction unit WFE 20D, ZS 20T
T005 87 358 40	<b>Exhaust adapter</b> of pipe 100 to fume extraction unit WFE 4S, ZS 6V
T005 87 359 15	<b>Exhaust adapter</b> of pipe 75 for fume extraction unit WFE 2S, ZS 4V

## Remote control for tip and volume extraction units



Order No.	Description
T005 87 359 09	<b>Remote control</b> for fume extraction units WFE 20D, WFE 2S, WFE 4S, WFE 8S, ZS 4V, ZS 6V. Switching unit on/off, speed setting (only WFE 2S, WFE 4S, ZS 4V, ZS 6V) filter status display.
T005 31 191 99	<b>Interface cable RS 232</b> , 2 m (78.74 in) for remote control (T005 87 359 09)
700-3057	<b>Remote control with cable</b> for MG unit and WFE 2X
T005 87 627 24	<b>Adapter remote control</b> for ZS 4V, ZS 6V
T005 87 647 12	<b>WX adapter</b> for ZS 4V, ZS 6V
T005 87 647 10	<b>Cable adapter cord</b> for WX adapter (T005 87 647 12)
T005 87 647 26	<b>WX HUB</b>



# FILTER SYSTEMS



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