

POWERJET BASIC

MOBILE HIGH VACUUM WELDING FUME EXTRACTION SYSTEM

The PowerJet Basic is a high vacuum welding fume extractor specialized in (but not limited to) on-torch extraction. The unit is equipped with a HEPA (H14) filter, and a large dust collecting filter. The AutoCheck safety features prevent using the PowerJet Basic without a filter or inlet hose, as well as lock the top cover from opening during use.

For more features, such as a reusable, self-cleaning filter and ExactFlow controls, see the PowerJet Ultra, and the PowerJet Ultra Twin.

The PowerJet Mini, Basic, Ultra & Ultra Twin will be available in Q1-2026.

APPLICATIONS

The PowerJet Basic is intended to be used for the following applications:



On-torch or small nozzle welding fume extraction for

- MIG-MAG/GMAW welding
- FCAW welding
- TIG welding
- Stick/MMAW welding

SPECIFICATIONS

■ Applications	
Welding fume source capture	<ul style="list-style-type: none">• On torch extraction• Nozzle extraction
Advisory use	Medium duty applications < 1000 kg MIG/MAG or < 500 kg electrode
Torch compatibility	(Virtually) any industry standard torches
■ Physical properties	
Material <ul style="list-style-type: none">• Housing• Base	<ul style="list-style-type: none">• Powdercoated metal• Polypropylene
Color <ul style="list-style-type: none">• Housing• Top cover• Base	<ul style="list-style-type: none">• RAL 1004 - Golden yellow• RAL 7011 - Iron grey• RAL 9005 - Jet black
Dimensions (L×W×H)	88 × 68 × 113 cm (34.6 × 26.8 × 44.5 in.)
Wall-mounted version	No
High-temp hose <ul style="list-style-type: none">• Diameter• Nozzle attachment	<ul style="list-style-type: none">• ø 45 mm (1.8 in.)• Rotating to prevent twists
■ Performance	
Extraction inlets	1 extraction inlets suitable for a maximum of 2 welding torches
Maximum vacuum	27 kPa (108" WG)
Maximum airflow	350 m³/h (206 cfm)
Motor type	Brushless EC motor rated for 20,000 hours of use
■ Electrical data	
Power consumption	max. 2.5 kW
Available connection voltages	<ul style="list-style-type: none">• 1~ 120-230V (NA/EU/RoW)
Operating speed	50/60 Hz

Filter	
Size	
• Main Filter	• 20 m²
• HEPA Filter	• 2.5 m²
HyperClean filter cleaning	No
Filter material	
• Main Filter	• Nanofibre E12
• HEPA Filter	• Polypropylene H14
Dust collection	In filter
AutoCheck	
AutoCheck sensor and safety features	<ul style="list-style-type: none"> • Inlet hose detection • Filter presence detection • Electronic safety lock top cover



Electronically locked top cover on the filter housing



■ Ambient conditions	
Operating and storage conditions	5-45°C (41-113°F) Relative humidity max. 80%
Suitable for outdoor use	No
■ Accessories	
Universal hose connectors	ø 40-65 mm (ø 1.6 - 2.6 in.)
Split inlet hose	Y-shaped inlet for 2 welding torches
Small nozzle extractor	Art. no.
• EN-20 (Magnetic foot)	• 7900060020
• EN-21 (Suction cup)	• 119522
• EN-40 (Magnetic foot)	• 7900060010
Automatic Start/Stop	Art.no.
• MCC-06	• 350080
Hose with adapter to extract to the outside	For when recirculation is impossible
■ Order information	
Number/package	1
■ Shipping data	
Max. number per pallet	1
Country of origin	Thailand



POWERJET SERIES COMPARED

Features		PowerJet Mini	PowerJet Basic	PowerJet Ultra	PowerJet Ultra Twin
Use	Welding applications	Occasional	Medium-duty	Medium to heavy-duty	Medium to heavy-duty
	Annual welding wire consumption				
Features & safety measures	Number of inlets	1	1	1	2
	ISO-Flow (ISO 5167 compliant)		✓	✓	✓
	ExactFlow			✓	✓
	HyperClean			✓	✓
	DustLock Technology			✓	✓
	Touch screen controls & info			✓	✓
	Mobile App (iOS & Android)			✓	✓
	AutoCheck		✓	✓	✓
	Dustbin			✓	✓
	Compressed air detection			✓	✓
ISO/HEPA	ISO 21904 compliant	✓	✓	✓	✓
	HEPA Filter	✓	✓	✓	✓

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Product

PowerJet Basic

Article no.

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Product category

High vacuum source capture

Version

0

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