

Fume extraction solutions

For safe production and work



WST2 fume extraction torches

Our new **WST2** torches are above all a range of welding torches that efficiently extract welding fumes. Extraction is obtained at a high extraction rate with low load loss due to the advanced air flow design of the torches. The **WST2** torches offer the same welding accessibility than traditional torches (with same welding characteristics).



2015-192

Classification
WST2 torches are compliant to EN 60974-7 and to french INRS 1st July 2015 regulation.



2015-192



AIR



WATER

Technical characteristics:

		AIR			WATER		
		WST2 - 2R	WST2 - 3R	WST2 - 4R	WST2 - 3W	WST2 - 4W	WST2 - 5W
Contact tube		M6	M8 x 30	M8 x 30	M8 x 30	M8 x 30	M8 x 30
Ø nozzle		12 mm	15 mm	15 mm	15 mm	15 mm	19 mm
Welding intensity @ 100% duty cycle	CO ₂	250 A	300 A	400 A	300 A	360 A	450 A
	Ar / CO ₂	225 A	270 A	320 A	260 A	320 A	410 A
Weight (g) according standard		1180	1365	1465	1570	1565	1565

Captation minimal performances

For speed 0.25 m/s	Flowrate m ³ /h	73	94	94	94	90	94
	Suction Pa	8 400	10 600	10 600	12 500	11 000	12 500
For speed 0.3 m/s	Flowrate m ³ /h	87	113	113	113	108	113
	Suction Pa	13 100	16 300	16 300	16 500	16 300	16 500



2015-182

To order WST2:

AIR

Description	Reference
WST2 - 2R 250 A @ 100%	3M W000381887
	4M W000381888
	5M W000381889
WST2 - 3R 300 A @ 100%	3M W000381890
	4M W000381891
	5M W000381897
WST2 - 4R 400 A @ 100%	3M W000381898
	4M W000381899
	5M W000381900

WATER

Description	Reference
WST2 - 3W 300 A @ 100%	3M W000381901
	4M W000381902
	5M W000381903
WST2 - 4W 360 A @ 100%	3M W000381904
	4M W000381905
	5M W000381906
WST2 5W * 450 A @ 100%	3M W000381907
	4M W000381908
	5M W000381909

LN: Long Nozzle – Torch with extended nozzle: +5 cm at the horizontal part of the torch. Ideal for easier access to difficult joints and for very high duty cycle welding (the welder's hand is not close of the welding bead).

* Patented double cooling unit.



2015-428

To order WST2 DUALFLOW:

DUALFLOW is a device allowing the modulation of the fumes extraction flowrate by the welder. By a simple pulse on a microswitch on the handle of the torch, and during welding the welder can decide to change the fume extraction power. This reduced flowrate will apply for welding zone in confined area providing in all situations high quality welds and preserving the welder from the fumes. **DUALFLOW** is patented.

AIR

Description	Reference
WST2 - 2R 250 A @ 100%	3M W000384970
	4M W000384971
	5M W000384972
WST2 - 3R 300 A @ 100%	3M W000384973
	4M W000384974
	5M W000384975
WST2 - 4R 400 A @ 100%	3M W000384976
	4M W000384986
	5M W000384987

WATER

Description	Reference
WST2 - 3W 300 A @ 100%	3M W000384977
	4M W000384978
	5M W000384979
WST2 - 4W 360 A @ 100%	3M W000384980
	4M W000384981
	5M W000384982
WST2 - 5W * 450 A @ 100%	3M W000384983
	4M W000384984
	5M W000384985

* Patented double cooling unit.



Collection units for use with the WST2 torches



2012-466

ESSENTIAL TURBINES TE35

Features:

- Flow from 80 to 135 m³/h depending on the torch.
- Metal pre- filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mounting of this unit is done vertically or horizontally.
- Maximum flow 310 m³/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 51 kg.

This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm.

Designation	Cat. nr
Turbine ESSENTIAL TE35 400 V - 3 Ph	W000278334
Turbine ESSENTIAL TE35 DUALFLOW , motor 400 V-3 Ph	W000379431

MODULO MD2

Features:

- Metal pre- filter.
- Arc detection sensor for an automatic commissioning and a 5 m supply cable.
- Mobil turbine with 2 wheels.
- Complementary options:
 - Filtration cartridge with 5 m² filtration surface.
 - Filter and pressure regulator.
- Cleaning by compress air, manually actived.
- Maximum flow 310 m³/h.
- Maximum vacuum 30 000 Pa.
- Motor 3Ph - 3 kW.
- Weight 95 kg.

This unit outlet should be connected outside the room or to a centralised network through the Ø 80 mm, or to a centralised network through the Ø 80 mm.

Designation	Cat. nr
Turbine MODULO MD2 230/400 V - 3 Ph	W000401385
Turbine MODULO MD2 DUALFLOW 230/400 V - 3 Ph	W000401389

NEW



Fume extraction



2012-291

This unit does not filter the gas. It must be used in an open space.

MOBIFILTER 50M

Extraction and filtration of dry welding fumes during intensive works.

Features:

- Fan flow: 2 400 m³/h
- Filtration is provided by a 50 m² surface cellulose cartridge.
- A choking indicator signals when the cartridge must be replaced.
- PICKFUME and EASY PICKFUME arms
- Air flow at the nozzle: 1 200 m³/h

Designation	Supply	Cat. nr
MOBIFILTER 50M	230V single phase 50 Hz	W000371997
	230V three phase 50 Hz	W000371998
	400V three phase 50 Hz	W000371999

Designation	Long	
EASY PICKFUME arm	3 m	W000372020
	4 m	W000372022

Designation	Long	
PICKFUME arm	3 m	W000372010
	4 m	W000371987

Option	Cat. nr
Lamp + auto start	W000341024

MOBIFILTER 1600M

Features:

- Collection flow on the arm: 1 600 m³/h.
- Mechanical cassette filter.
- Filtration surface 35 m² Ei >99.9%
- EN 60335-2-69 CLASSE M.
- Motor 1.5 kW.
- Rear vertical outlet.
- Automatic start/stop with arc detection by magnetic sensor included.

It gets, as a complement, an external release set for a Ø 160 mm hose.

Designation	Cat. nr
MOBIFILTER 1600M 400 V - 3 PH - 50 HZ	W000377937
MOBIFILTER 1600M 400 V - 3 PH - 50 HZ	W000377938
Arm POLYARTICULE 3 m	W000341032
Arm POLYARTICULE 4 m	W000341033
External emission kit Ø 160 mm	W000380765

ARTICULATED WALL MOUNTED FUME EXTRACTION ARM EASYPICKFUME

- Ø 203 mm with hood Rotahood 360°
- Balancing system BALANCE WHEEL
- FAN 28 400 V x 3Ph - 750 W
- Wall mounting support
- On/Off disconnecter box

Description	Cat. nr	
Kit* 400 V - threephase	3 meters arm	W000342861
	4 meters arm	W000342862

** kit comprising the EASYPICKFUME arm + the FAN 28 fan + wall mounting support + disconnecter*

POLYARTICULATED ARM Ø 160 mm

- Arm with rigid aluminium pipes epoxy painted.
- Metal nozzle 300 mm, integrated register and round manoeuvre handle.
- Provided pre-mounted with its wall support console.

Description	Cat. nr
Wall arm POLYARTICULATED 2 m	W000342115
Wall arm POLYARTICULATED 3 m	W000342125
Wall arm POLYARTICULATED 4 m	W000342125
Fan AZUR 2.1 230/400 V - 50 Hz - 0.75 kW	W000342132
Lockable sectioning cabin 400 V - 3 Ph - 50 Hz - cable 5m	W000342125
Fan support for cranes	Cat. nr
Fan support	W000272055

Fume extraction table

AZUR is offering a full range of welding and cutting tables, mechanical filters (with or without automatic cleaning cartridge) as well as electrostatic filters.

ASMV DOWNDRAFT TABLES WITH FAN

An ASMV (*Aspiration Soudage Meulage occasionnel Ventilateur*) is equipped with a metal pre-filter under the worktop and a fan placed on the base of the table.

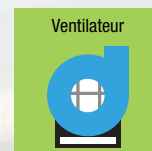
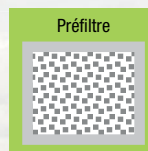
Fume and non explosive dry dusts are collected through the worktop and the side panels (height 500 mm).

- Table 1 200 x 800: dimensions of the worktop 1 070 x 740 mm.
- Table 2 000 x 800: dimensions of the worktop 1 870 x 740 mm.
- Maximum load 200 kg.
- Height of the worktop 920 mm.
- Tables should be connected to a duct for external emission.
- Fan motor: 2.2 kW - 400 V - 3 Ph - 50 Hz.

Description	Cat. nr
Table ASMV 1 200 x 800 mm (fume extraction flow on the table 2 000 m³/h)	W000273087
Table ASMV 1 200 x 800 mm (fume extraction flow on the table 2 000 m³/h)	W000273086

Complement	
Vertical or side rear outlet Ø 250 mm	W000342588
Vertical outlet with silencer	W000273464
RTS Ø 250 mm for silencer table 1 200 x 800	W000380507
RTS Ø 315 mm for silencer table 2 000 x 800	W000380508

Spare	
Metal pre-filter 610 x 610 mm ep. 24 mm	W000379636





Air treatment solutions

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