

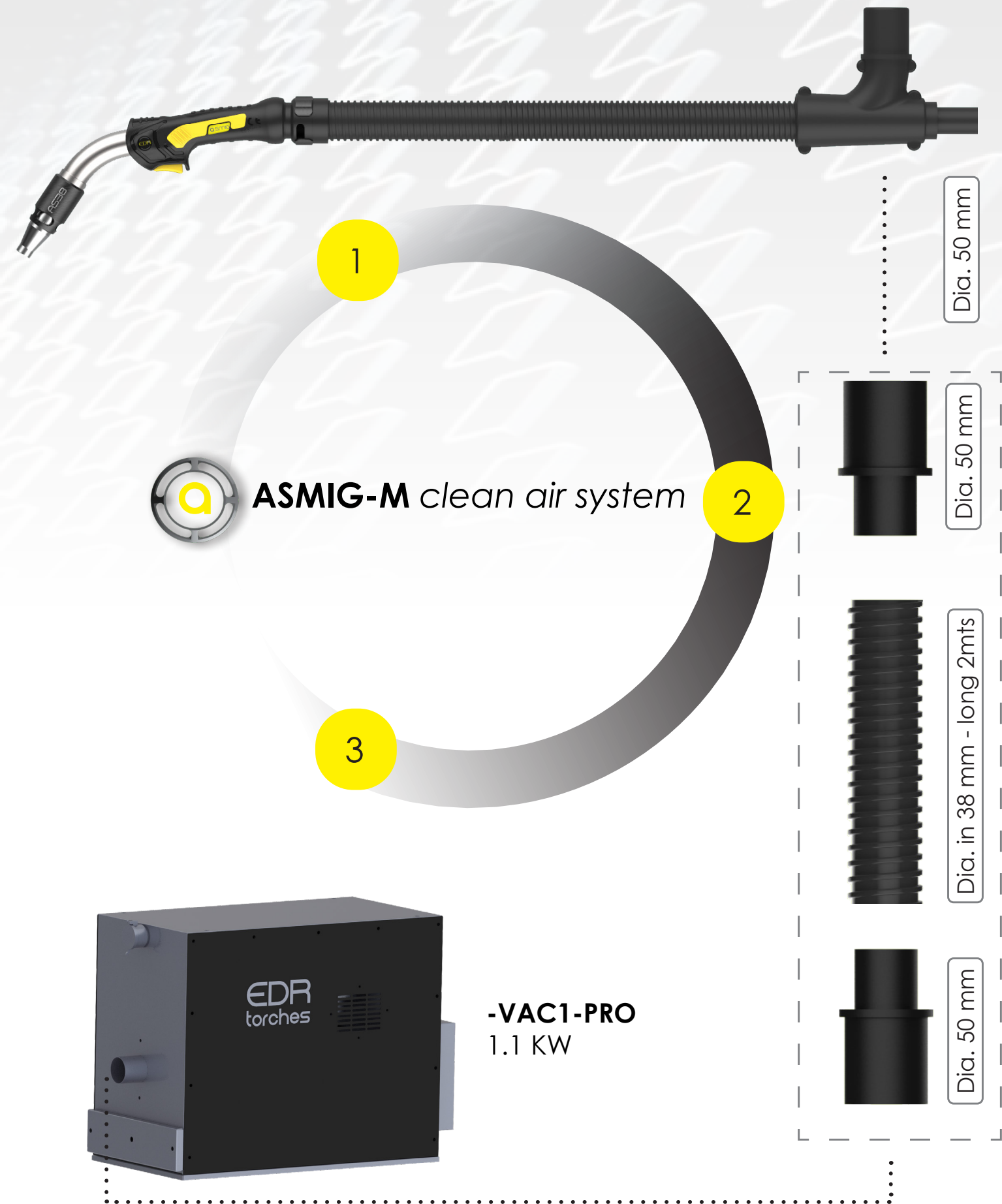
 SMIG-M
FUME EXTRACTION

CATALOG





- Advantages of the **ASMIG-M** system Pag. 4
- Welding torches ASMIG-M **S3G** (300A) Pag. 8
- Welding torches ASMIG-M **S5W** (500A) Pag. 10
- High vacuum suction **VAC1-PRO** (1.1KW) Pag. 12
- High vacuum suction **VAC2-PRO** (2.2KW) Pag. 14





ASMIG-M
Welding fume extraction assistant

- Light
- Powerful
- Safe

ASMIG-M is a welding fume extraction system for manual torches. It is a system integrated into the torch, which provides low weight and a high smoke suction capacity.

The system has multiple configurations and different power capacities to adapt to all users.

It is one of the best weight/power systems on the market.



S3G-38

GAS COOLING 300A

-Ø nozzle 13 mm
-Ø suction nozzle 38mm

SSW-42

LIQUID COOLING 500A

-Ø nozzle 15
-Ø suction nozzle 42mm

Airflow drop (optional)

Step Mechanical Indexing (25% – 50% – 75% – 100%).

Simple 4-stage click lock ensures repeatable, locked-in Welding Procedure Specification standards.

Protected Base-Mounted Mechanism.

Positioned away from heat and spatter to prevent accidental shifting and mechanical jamming.

Easy Adjustment. Smooth regulation without interrupting the weld.



Suction Control for Machines Without Built-in Regulation.

Adds independent airflow control to basic on/off extractors and central lines without adjustable turbines.

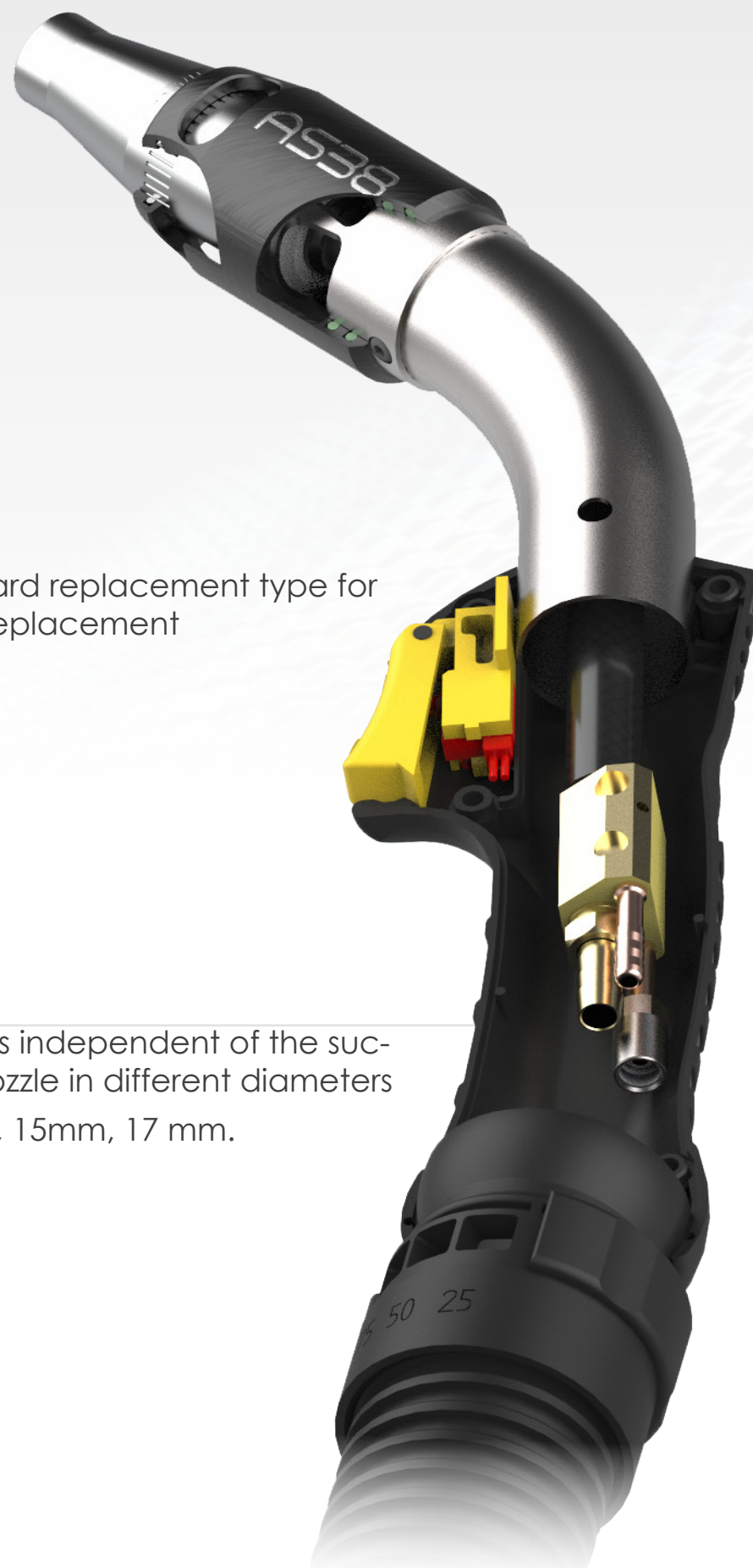
Flow reduction up to 50% with the new airflow drop regulation system.
You control your process.

Conventional extraction torches place vulnerable sliding valves directly in the line of heat, spatter, and hand movement. The optional Airflow Drop system rethinks this design by moving regulation to the base of the handle, well away from arc exposure and accidental contact. It features a reliable 4-stage mechanical lock that stays exactly where it was set.





ASMIG-M
Welding fume extraction assistant



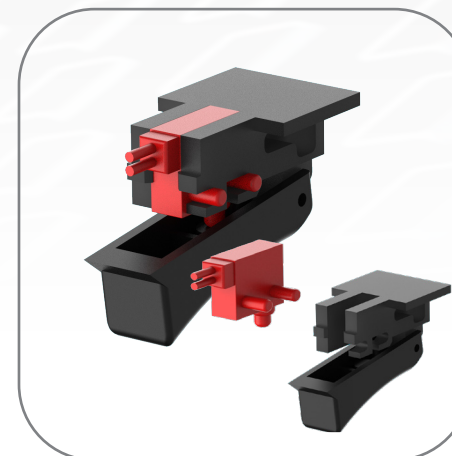
Standard replacement type for easy replacement



Nozzles independent of the suction nozzle in different diameters 13mm, 15mm, 17 mm.



Multiple diameters and quick change by pressure. Diameter 38 for standard applications diameter 42 for HD applications



Microswitch push button and quick change and IP67 insulation



3 conduction tubes, we eliminate the gas tube that circulates through the oversized liner duct. Smooth PU pipes to facilitate air flow.



MIG/MAG ASMIG-M S3G

Data sheet

MIG/MAG, GMAW, 131,135
According to IEC60974-7, ISO 21904-3



Gas



300A CO₂ -60%



225 A mix M21 (ISO14175) -60%



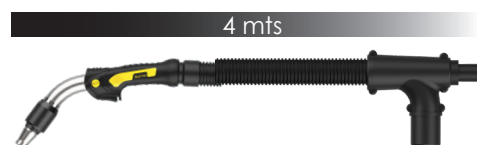
Wire 0.8-1.2 mm



Gas flow 8-16 l/min

Pulsed arc the intensity is reduced by 35%

A



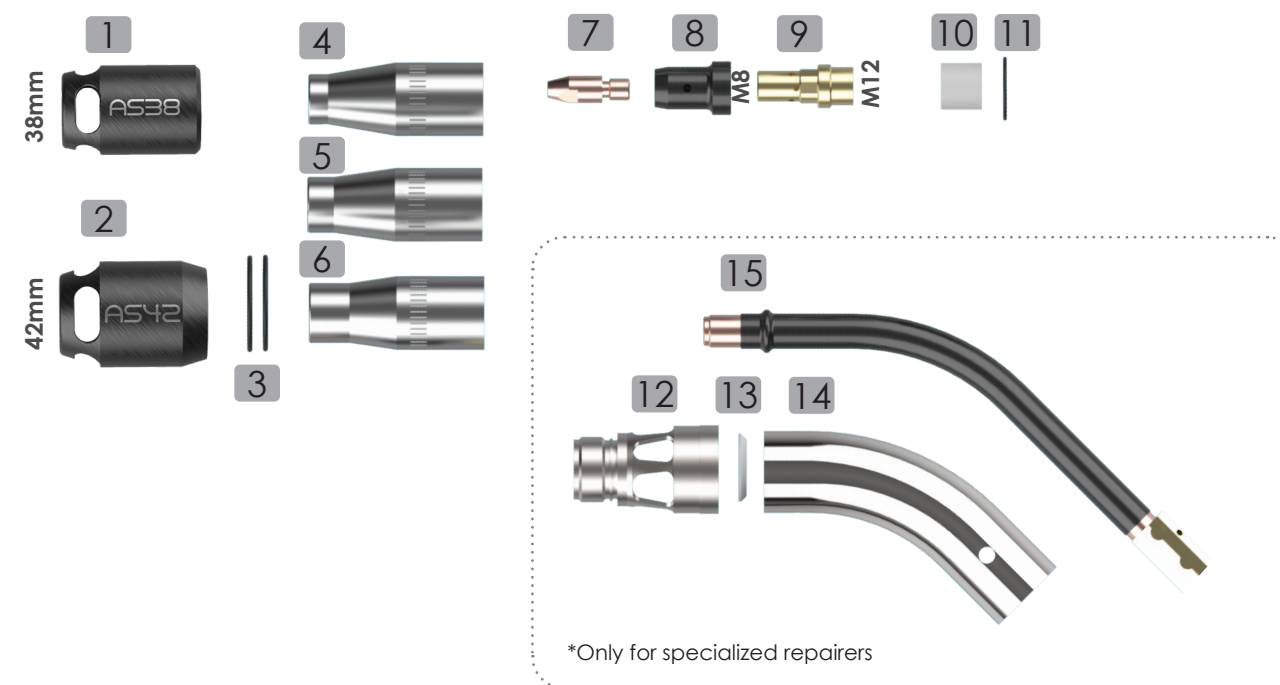
Standard configuration measures.



Welding torches with gas-cooled suction assist, for medium cycles of use, recommended with a 38 mm suction nozzle.

Pos.	CODE	TYPE	Min. Q.
A	MS3.3038	Torch ASMIG S3G 3mts euro connector-AS38	1
	MS3.4038	Torch ASMIG S3G 4mts euro connector-AS38	1

MIG/MAG ASMIG-M S3G



Pos.	CODE	TYPE	Min. Q.
1	M70.1038	Suction nozzle ASMIG D38mm	1
2	M70.1042	Suction nozzle ASMIG D42mm-HD	1
3	M70.0008	Suction nozzle retaining O-ring ASMIG	10
4	M70.0011	Nozzle ASMIG L64xD13.5mm	5
5	M70.0012	Nozzle ASMIG L64xD15.5mm	5
6	M70.0013	Nozzle ASMIG L64xD17mm	5
7	M08.0410	Contact tip M8x30 1.0mm	25
	M08.0412	Contact tip M8x30 1.2mm	25
	M08.0416	Contact tip M8x30 1.6mm	25
	M08.1410	Contact tip M8x30 1.0mm CuCrZr	25
	M08.1412	Contact tip M8x30 1.2mm CuCrZr	25
	M08.1416	Contact tip M8x30 1.6mm CuCrZr	25
8	M50.0002	Diffuser PRO501w	10
9	M55.2080	Tip holder X55W M8	5
10	M55.2006	Nozzle holder XPRO S55W insulating	2
11	R10.0401	Nozzle holder O-ring BOT	10
*Only for specialized repairers			
12	M70.0027	Support nozzle ASMIG	1
13	M70.0005	Insulating nozzle support ASMIG	1
14	M70.0451	Suction tube ASMIG	1
15	M73.0451 01	S3G ASMIG 45° NECK	1



MIG/MAG ASMIG-M S5W

Data sheet

MIG/MAG, GMAW, 131,135
According to IEC60974-7, ISO 21904-3



Liquid



500A CO₂ -100%



425 A mix M21 (ISO14175) -100%



Wire 1.0-1.6 mm



Gas flow 8-20 l/min

Pulsed arc the intensity is reduced by 35%

A



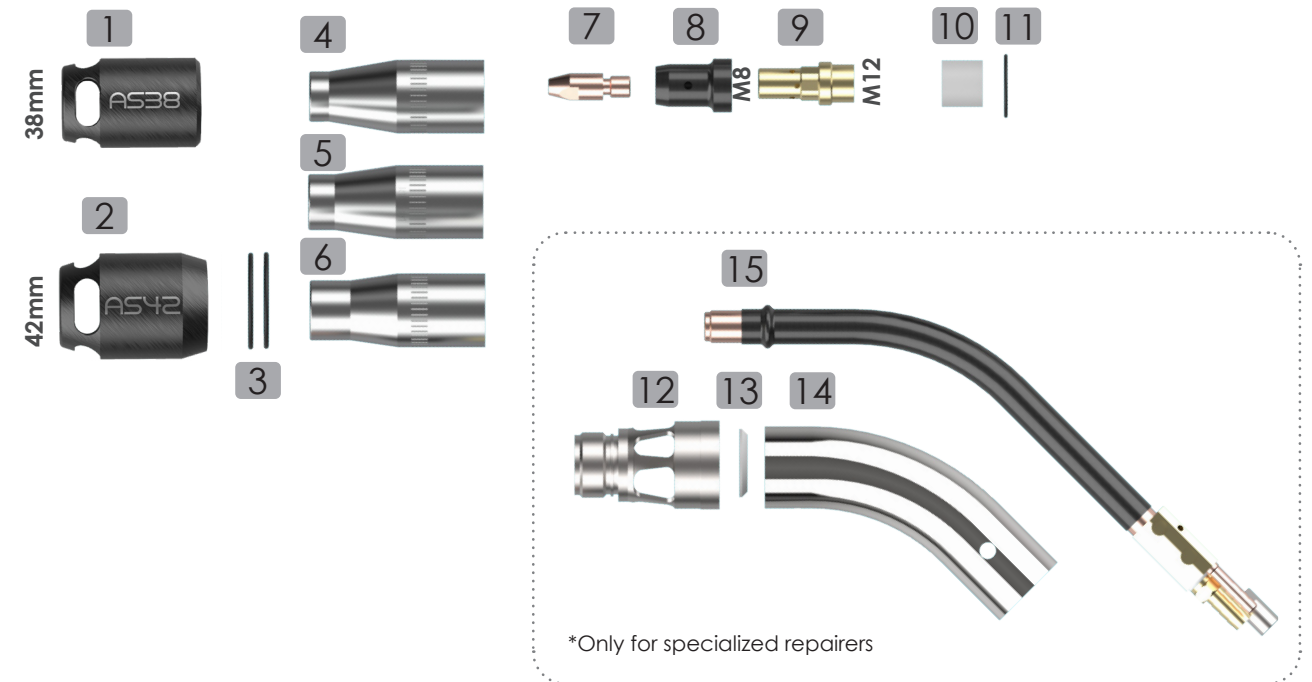
Standard configuration measures.



Welding torches with liquid-cooled suction assist, for medium-high cycles of use, recommended with a 42 mm suction nozzle.

Pos.	CODE	TYPE	Min. Q.
A	MS5.3042	Torch ASMIG S5W 3mts euro connector-AS42	1
	MS5.4042	Torch ASMIG S5W 4mts euro connector-AS42	1

MIG/MAG ASMIG-M S5W



Pos.	CODE	TYPE	Min. Q.
1	M70.1038	Suction nozzle ASMIG D38mm	1
2	M70.1042	Suction nozzle ASMIG D42mm-HD	1
3	M70.0008	Suction nozzle retaining O-ring ASMIG	10
4	M70.0011	Nozzle ASMIG L64xD13.5mm	5
5	M70.0012	Nozzle ASMIG L64xD15.5mm	5
6	M70.0013	Nozzle ASMIG L64xD17mm	5
7	M08.0410	Contact tip M8x30 1.0mm	25
	M08.0412	Contact tip M8x30 1.2mm	25
	M08.0416	Contact tip M8x30 1.6mm	25
	M08.1410	Contact tip M8x30 1.0mm CuCrZr	25
	M08.1412	Contact tip M8x30 1.2mm CuCrZr	25
	M08.1416	Contact tip M8x30 1.6mm CuCrZr	25
8	M50.0002	Diffuser PRO501w	10
9	M55.2080	Tip holder X55W M8	2
10	M55.2006	Nozzle holder XPRO S55W insulating	2
11	R10.0401	Nozzle holder O-ring BOT	10
*Only for specialized repairers			
12	M70.0027	Support nozzle ASMIG	1
13	M70.0005	Insulating nozzle support ASMIG	1
14	M70.0451	Suction tube ASMIG	1
15	M75.0451 01	S5W ASMIG 45° NECK	1



HIGH VACUUM SUCTION VAC1-PRO

Data sheet



High Vacuum
Extraction System



MIG-MAG Welding 250m3/h
On-torch Extraction Unit



Filter Method
Cleanable filter



Mobile Unit
Lockable wheels



Attention!

These filters must be checked every six months. In case they are worn it will be necessary to replace them with new ones, to be requested as a spare parts to EDR.

Will accept no responsibility in case of use of NON-ORIGINAL filters

2



Dia. 50 mm



Dia. in 38 mm - long 2mts



Dia. 50 mm

Pos.	CODE	TYPE	Min. Q.
1	R30 9011	Vacuum module VAC1-PRO 1.1kw.	1
2	R30 810L	ASMIG extension set 50/50-2mts	1

HIGH VACUUM SUCTION VAC1-PRO

Usage Areas

- Specially designed for torch fume extraction, capturing fumes directly at the welding source
- Provides effective protection for operators in precision welding and fabrication environments
- Suitable for metalworking shops, workshops, and production facilities with low, medium, or high fume intensity
- The H13 HEPA filter ensures reliable air purification even in confined spaces with high particulate concentration

Specifications

- Captures welding fumes directly at the torch source with 99.9% efficiency
- Equipped with a high-suction bypass motor ensuring consistent and powerful performance
- Integrated H13-class HEPA filter for ultra-fine particle retention at 99.9% efficiency
- Filter status indicators minimize downtime by signaling only when maintenance or replacement is required
- Washable aluminium pre-filter reduces fire risk from sparks and extends the lifetime of the HEPA filter
- Phase protection system prevents operation under incorrect wiring conditions, protecting the motor from damage
- Quiet and energy-efficient operation designed for long-term industrial use
- 2m power supply cable enabling flexible operation in wide working areas

Filter Stages	1
Filter Method	Cleanable filter
Absolute Final Filter	H13 Class HEPA Filter
Filter Cleaning Method	Manual ClapLap
Filter Surface	4.50 m²
Type of Filter	Cartridge
Filter Material	Blend – cellulose 80% / polyester 20% Flame retardant Nanofibers
Filter Efficiency	>99.9 %
Dust Classification	M Class
Extraction Capacity	250 m³/h
Max. Fan Performance	350 m³/h
Maximum Vacuum	18.100 Pa
Dimensions (WxDxH)	550 x 300 x 550 mm
Weight	33 kg (Mobile)
Motor Power	1,1 kW
Power Supply	1 x 230 V / 50 Hz
Noise Level	76 dB(A)
Fan Type	By-pass motor (Domel Brand)
Hose Connection	Ø 50 mm
Dust Collection Tray	4L



HIGH VACUUM SUCTION VAC2-PRO

Data sheet



High Vacuum
Extraction System



MIG-MAG Welding 360m3/h
On-torch Extraction Unit



Jet-Pulse
Automatic Filter Cleaning



Mobile Unit
Lockable wheels



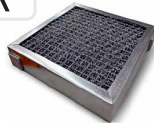
Attention!

These filters must be checked every six months. In case they are worn it will be necessary to replace them with new ones, to be requested as a spare parts to EDR. Will accept no responsibility in case of use of NON-ORIGINAL filters

1



A



B



C



2



Dia. 50 mm



Dia. in 38 mm - long 2mts



Dia. 50 mm

Pos.	CODE	TYPE	Min. Q.
1	R30 9022	Vacuum module VAC2-PRO 2.2kw.	1
2	R30 810L	ASMIG extension set 50/50-2mts	1
A	R30 0251	235x235x48 FILTERING CELL	1
B	R30 0267	D220 H200 HYDRO-OLEOPHOBIC CARTRIDGE FILTER CAT M	1
C	R30 0013	D330 H98 ABSOLUTE FILTER	1
D	R30 0140	10x22 ADHESIVE GASKET	1

HIGH VACUUM SUCTION VAC2-PRO

1. Chassis Cable Holder
2. Carrying Handle
3. On/Off, Auto/Manual Switch
4. Main Fan Section
5. Release Fastening
6. Optional Filter Section (HEPA or Activated Carbon)
7. DUSTOP Manual Filter Cleaner
8. Cartridge Filter Section
9. Pre-Filter and Dust Collector
10. Fume Inlet



Usage Areas

- High Vacuum On Torch Welding Fume Extraction System for Manuel Mig/Mag Welding Torches.
- Suitable for filtering unalloyed, low alloy and high alloy steel.
- Provides high performance on Corner Welding.
- Provides high performance on T Joint Welding.
- Provides high performance on Overlay Welding, techniques.
- Not recommended for butt-welding.

Specifications

- On Torch Welding Fume Extraction unit has been designed to Non-stop operations.
- With its automatic-cleaning filter system, filters are cleaned automatically.
- Collects dust and particles in the dust bucket.
- Reliable protection with its high efficient cartridge filters.
- 45mm hose connection for global torches.

Power (kW)	1.1
Voltage (V)	230
Frequency (Hz)	50/60
Max Vacuum Rate (mm H2O)	2500
Max AirFlow Rate (m3/h)	360
Noise Level (dB (A)) *	76
Filter Type	Cartridge M
Filter Surface (cm3)	7500
Capacity (lt)	13
Suction Inlet (Ø)	50
Dimensions (cm)	40X50X86

Fume extration for manual torches



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