



smig

ROBOTIC FUME EXTRACTION

CATALOG





We are present worldwide

ASMIG is a welding fume extraction system for robotic torches of the BASIC or BOT range, it is an external system that can be incorporated to any already installed torch of the BASIC or BOT line, both in industrial ROBOTS and COBOTS.

The system can also be supplied with the torches already incorporated.

Several configurations of standard necks are available but can be ordered for other models of the BOT line upon request.



“We understand that the development of a product starts at the design stage but just as important are quality and production”

Companies with technological or industrial character know the importance of innovating to continue in the current market. In EDR torches this becomes a work philosophy, we understand that without innovation it is not possible to advance in such a competitive world where companies and professionals need increasingly complex solutions.

EDR torches has a strong R & D department dedicated to the development of new welding applications, providing customized solutions both in the area of robotic welding and manual.

We understand that the development of a product begins at the design stage but just as important are the quality and production designed and tested.

The long experience of EDR torches in all sectors related to welding makes us capable of providing the best solutions to your manufacturing challenges, tell us what you need and we will make it possible.

ASMIG FOR **BASIC** TORCHES



ASMIG FOR **BOT** TORCHES

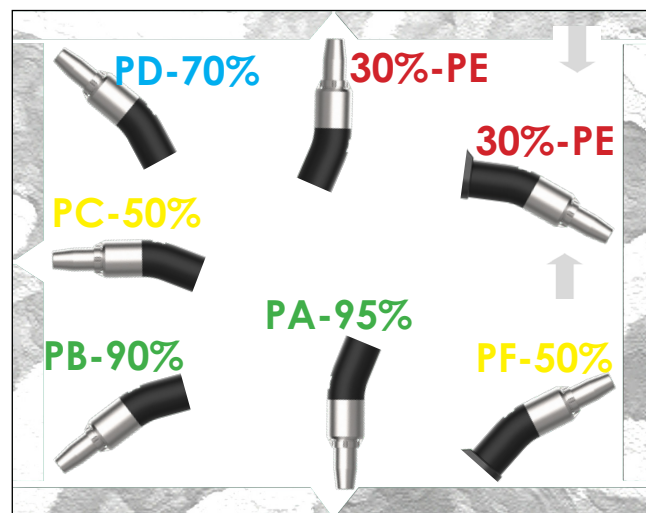


The ASMIG system guarantees the maximum extraction of welding fumes in BOT systems, being this system modular and can be incorporated as an accessory in an already operating installation.

No TCP changes

Incorporate your ASMIG system to your installed BOT or BASIC series torch, and reduce gas emissions without changing the programming.

Suction Efficiency



Independent modular system

Independent tube system eliminates torch tube contamination and increases suction performance.



 Vacuum Regulation System External To The Pump. Independent Adjustment Of Each Torch In Centralized Systems

 Independent elbow. allow the systems to be adapted to different types of standard necks of the bot series

 Extraction systems for collaborative and industrial robots, ASMIG is a modular system that adapts to the torch that you currently have installed without the need for change or reprogramming in BOT series systems



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GAS COOLING

BASIC-42G 300A

BE3G22	R98 1300 22	Welding torch 42G-22° gas 3mts-Euro type
BE4G22	R98 1400 22	Welding torch 42G-22° gas 4mts-Euro type
BM3G22	R98 2300 22	Welding torch 42G-22° gas 3mts-Miller type
BM4G22	R98 2400 22	Welding torch 42G-22° gas 4mts-Miller type
BP3G22	R98 3300 22	Welding torch 42G-22° gas 3mts-Panasonic type
BP4G22	R98 3400 22	Welding torch 42G-22° gas 4mts-Panasonic type

LIQUID COOLING

BASIC-52W 500A

BE3W22	R99 1300 22	Welding torch 52W-22° gas 3mts-Euro type
BE4W22	R99 1400 22	Welding torch 52W-22° gas 4mts-Euro type

+
Fume extraction
kit

AS

Dia. 32 mm-2.5 mts

Dia. 38 mm-3 mts

Dia. 50 mm

AS R30 8222 ASMIG BOT-40W 22°F -BASIC

+ R30 800L Extension set ASMIG 3 mts

+ R30 9022 Vacuum module VAC2-PRO 2.2kw.

AS

+

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+

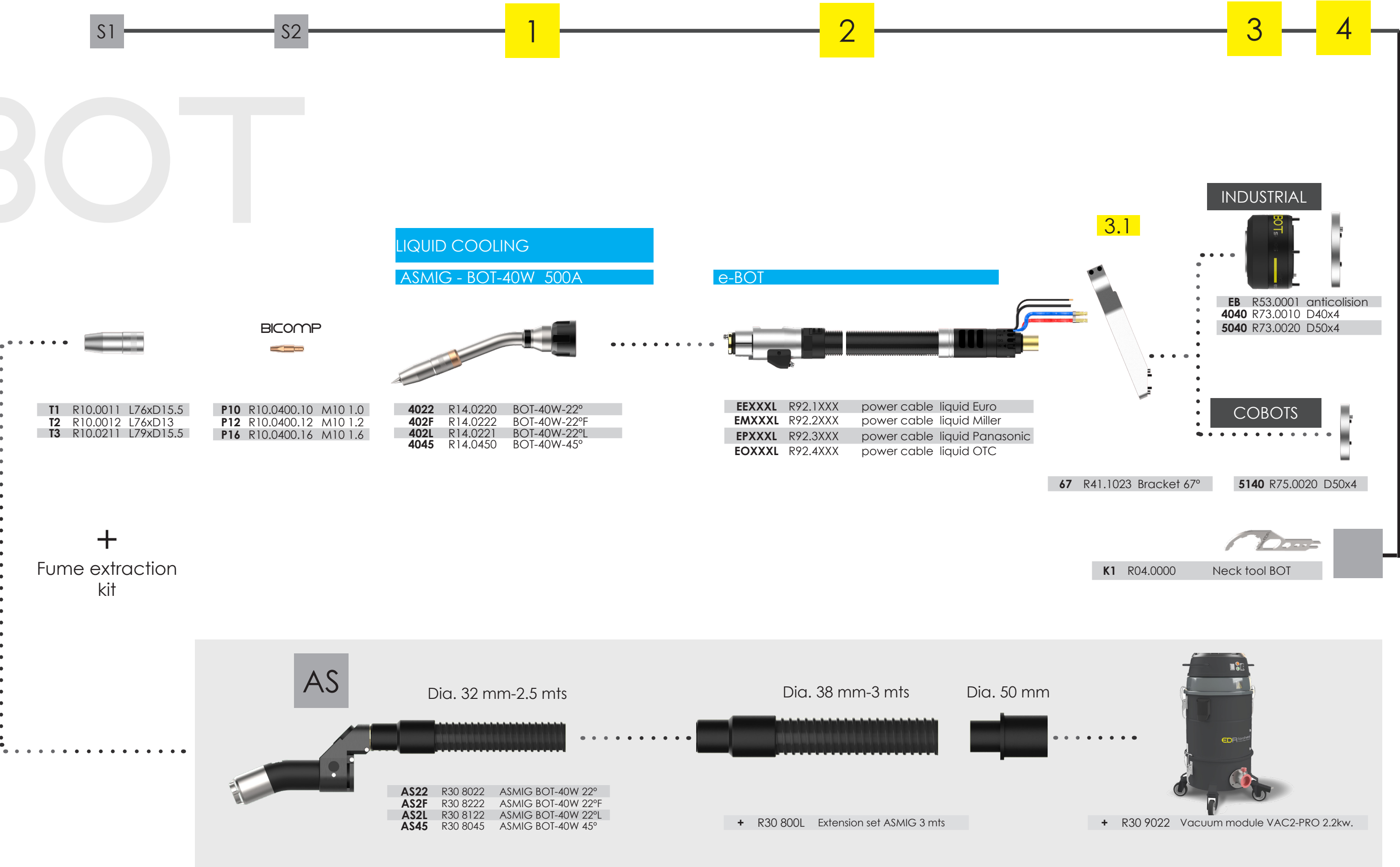
3

+

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Sample installation code: AS-BE3W22-67-5040

BOT



S1 + S2 + AS + 1 + 2 + 3 + 4 + Sample installation code: T1-P12-AS224022-EE1300L-67-5140-K1

 Fume extraction ASMIG BASIC
CE



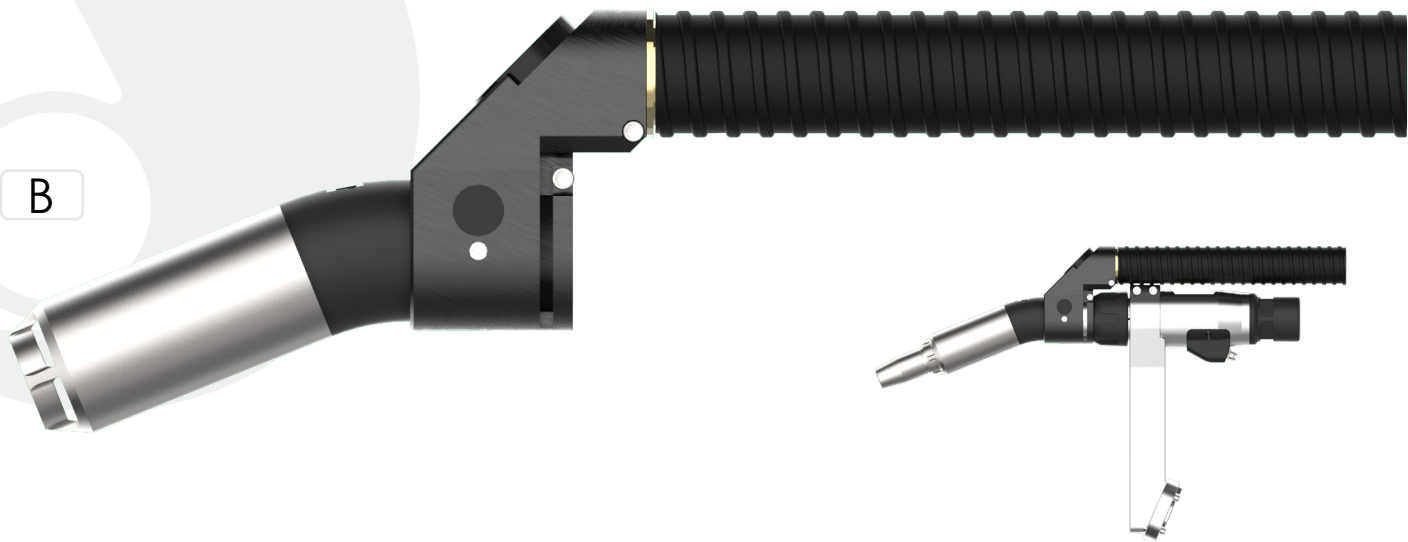
Pos.	CODE	TYPE	Min. Q.
A	R30 8222	ASMIG SYSTEM for Torch BASIC 22°	1

Torch compatible with ASMIG BASIC



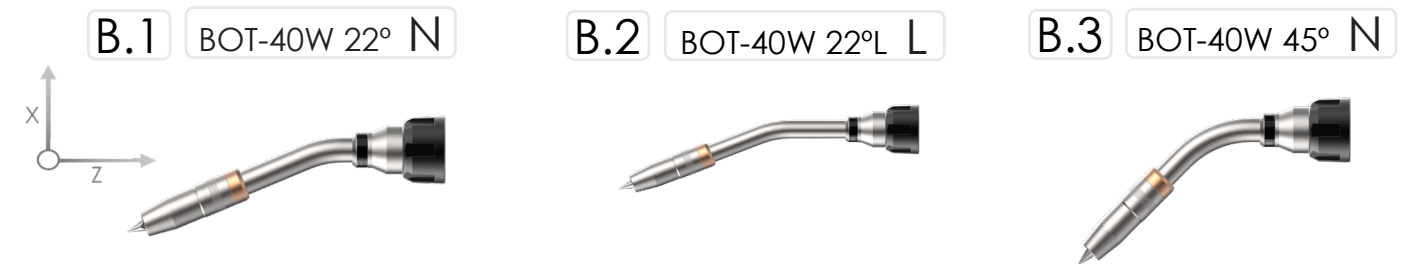
Pos.	CODE	TYPE	Min. Q.
A.1	R98 1XXX 22	Welding torch 42G-22° gas BASIC XXmts-Euro type	1
A.2	R98 2XXX 22	Welding torch 42G-22° gas BASIC XXmts-Miller type	1
A.3	R98 3XXX 22	Welding torch 42G-22° gas BASIC XXmts-Panasonic type	1
A.4	R99 1XXX 22	Welding torch 52W-22° gas eBASIC 4mts-Euro type	1

 Fume extraction ASMIG BOT
CE



Pos.	CODE	TYPE	Min. Q.
B	R30 8022	ASMIG SYSTEM for Torch neck BOT-40W 22°	1
	R30 8122	ASMIG SYSTEM for Torch neck BOT-40W 22°L	1
	R30 8045	ASMIG SYSTEM for Torch neck BOT-40W 45°	1

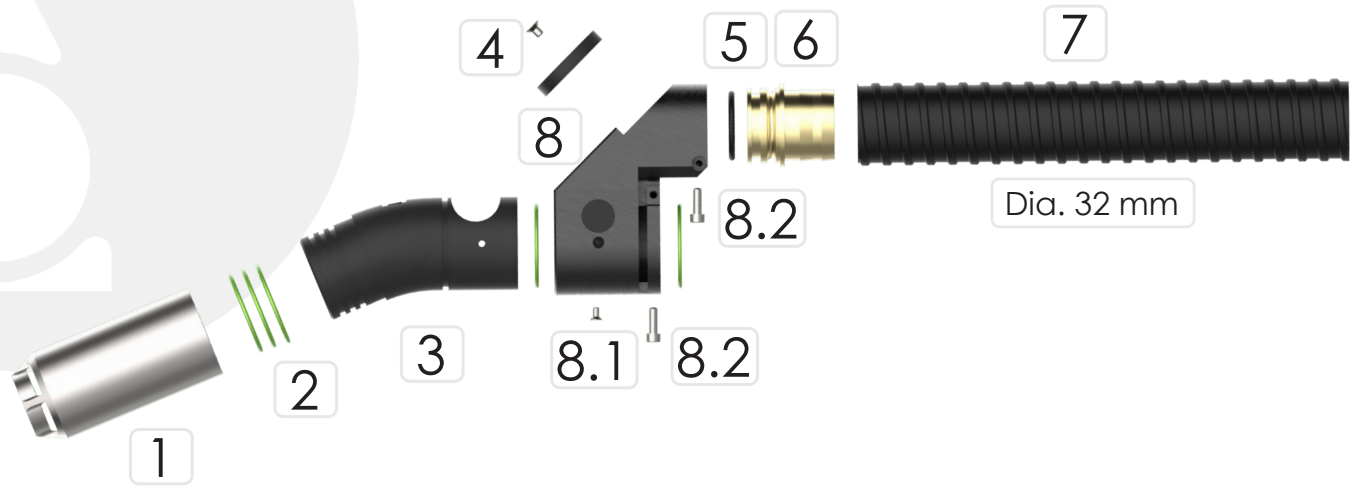
Necks compatible with ASMIG BOT



Pos.	CODE	TYPE	Min. Q.
B.1	R14 0220	Torch neck BOT-40W 22° (X=64 mm, Z=247 mm)-long type N	1
B.2	R14 0221	Torch neck BOT-40W 22°L (X=64 mm, Z=297 mm)-long type L	1
B.3	R14 0450	Torch neck BOT-40W 45° (X=111 mm, Z=217 mm)-long type N	1



Fume extraction ASMIG spare parts



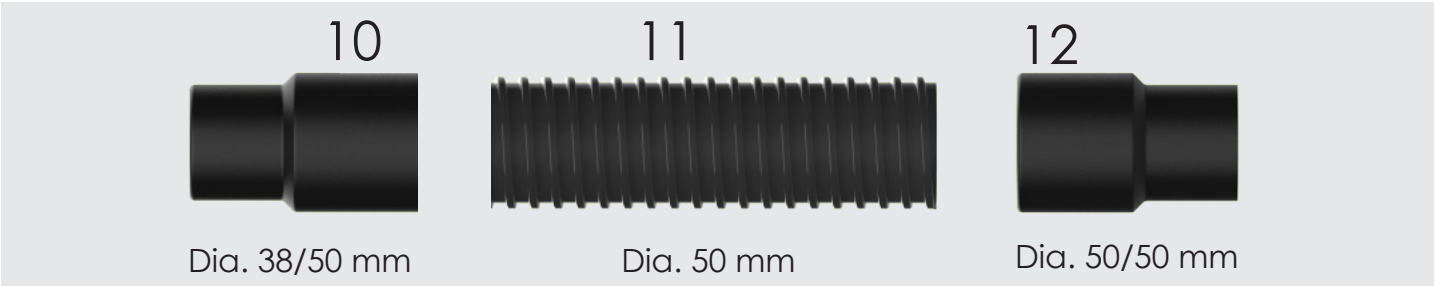
Pos.	CODE	TYPE	Min. Q.
1	R30 8090	Nozzle ASMIG L90xØ42.5 mm	1
	R30 8055	Nozzle ASMIG L55xØ42.5 mm	1
2	R30 8005	O-ring ASMIG Ø37 mm	10
3	R3 8022 01	Support tuber ASMIG 22G	1
	R3 8022 02	Support tuber ASMIG 22GL	1
	R3 8045 01	Support tuber ASMIG 45G	1
	R3 8122 02	Support tuber ASMIG BASIC 22G	1
4	R3 8002 01	ASMIG regulating cap	1
5	R6 0203 02	O-ring seal	4
6	R3 8002 04	Tube fitting ASMIG	1
7	R30 3032	ASMIG external tube D32	1
8	R3 8002	Support ASMIG	1
8.1	R5 1000 20	Screw M4x12	2
8.2	R8 0000 0203	Screw BOT M4x6	2

9



Pos.	CODE	TYPE	Min. Q.
9	R30 800L	Extension set ASMIG 3 mts	1
9.1	R30 3832	Reducer ASMIG D.38-32 mm	1
9.2	R30 3038	ASMIG external tube D38	1
9.3	R30 3850	ASMIG terminal D.38-50 mm	1

Extra extension up to 5 mts



Pos.	CODE	TYPE	Min. Q.
10	R30 5038	Reducer ASMIG D.50-38 mm	1
11	R30 3050	ASMIG external tube D50	1
12	R30 5050	ASMIG terminal D.50-50 mm	1



VAC2-PRO HIGH VACUUM SUCTION

-  **High Vacuum**
Extraction System
-  **MIG-MAG Welding 180/260m3/h**
On-torch Extraction Unit
-  **Jet-Pulse**
Automatic Filter Cleaning
-  **Mobile Unit**
Lockable wheels



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

Pos.	CODE	TYPE	Min. Q.
1	R30 9022	Vacuum module VAC2-PRO 2.2kw.	1



Pos.	CODE	TYPE	Min. Q.
A	R30 0251	235x235x48 FILTERING CELL	
B	R30 0267	D220 H200 HYDRO-OLEOPHOBIC CARTRIDGE FILTER CAT M	
C	R30 0013	D330 H98 ABSOLUTE FILTER	
D	R30 0140	10x22 ADHESIVE GASKET	

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. 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

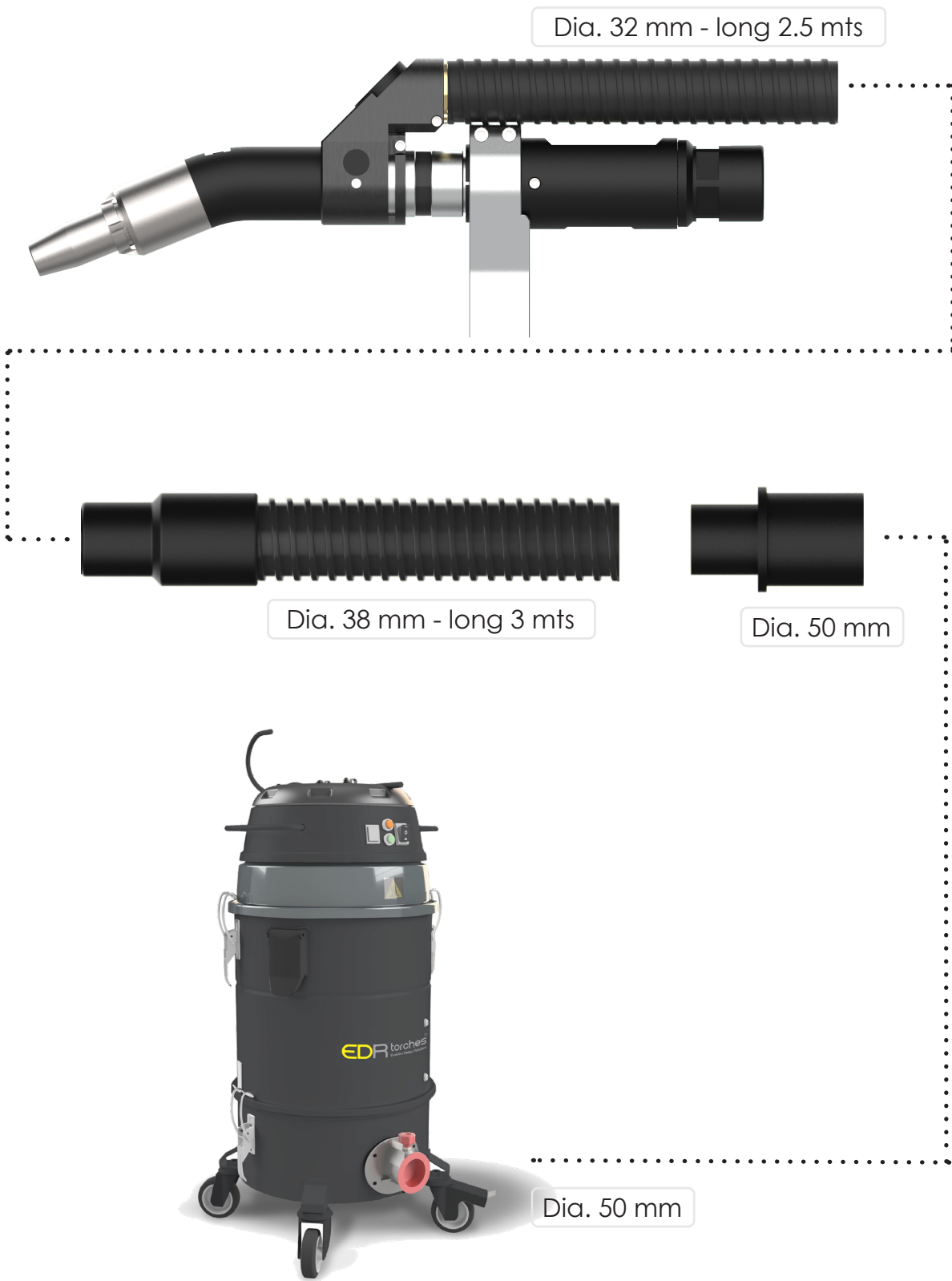
9. Pre-Filter and Dust Collector

10. Fume Inlet

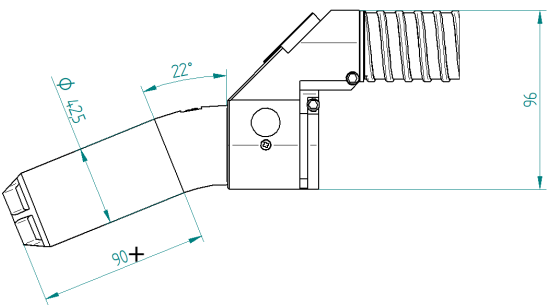
11. Lockable Castors

MODEL	TYPE
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

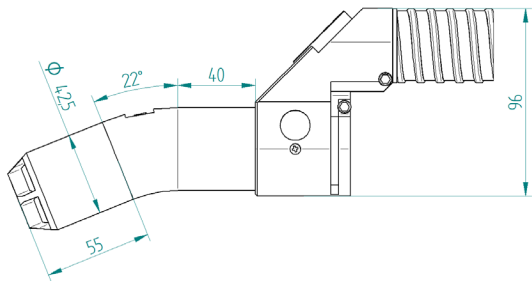
ASMIG system configuration.



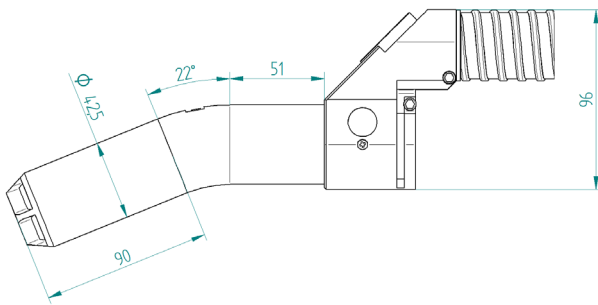
ASMIG for BOT 40W22G
Ref.R30 8022



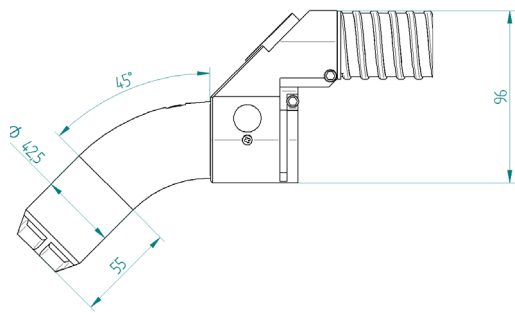
ASMIG BASIC 42/52 22F
Ref.R30 8222



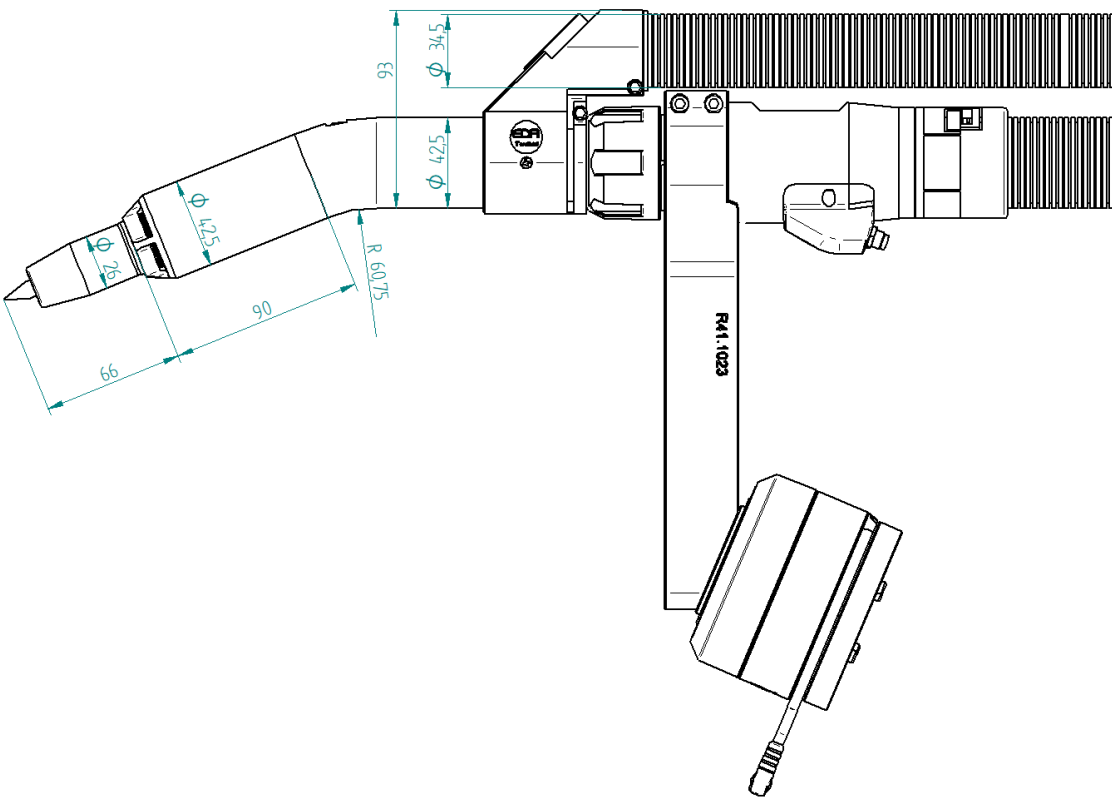
ASMIG BOT 40W22L
Ref.R30 8122



ASMIG BOT 40W45G
Ref.R30 8045



ASMIG system



Fume extration for robot torches



EDRtorches, S.L.
www.edrtorches.com
info@edrtorches.com

