

MIG/MAG Fume Extraction Torches "RAB Plus"

air and liquid cooled

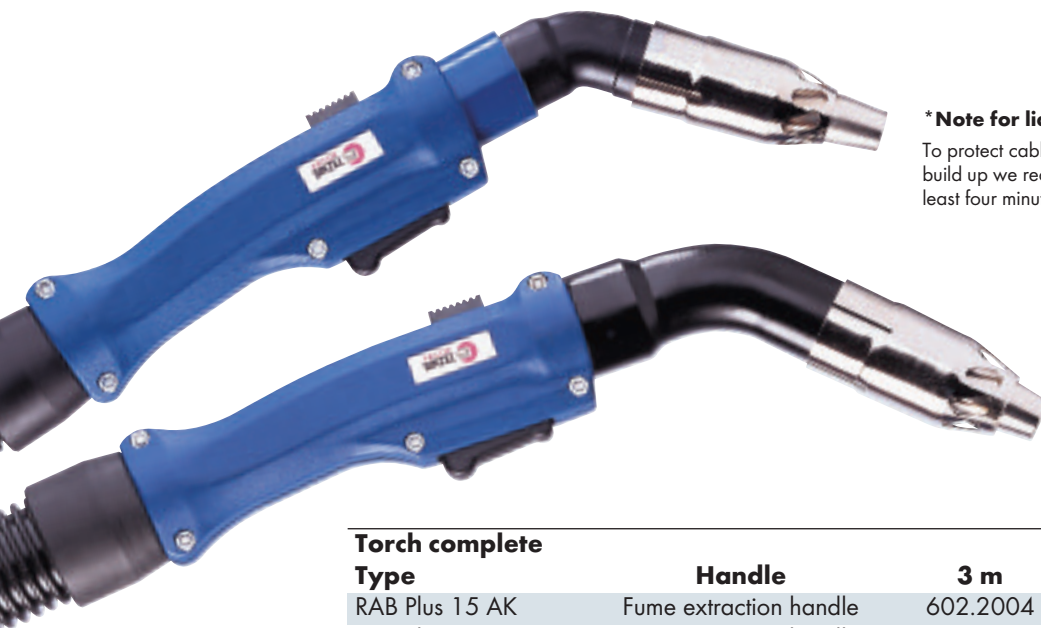
Every welding job generates fumes and smoke that could be hazardous if inhaled. Based on the well-established torch series "MB" the RAB Plus Fume Extraction Torches offer efficient fume extraction through the torch itself. Special design solutions guarantee highly efficient smoke removal directly at its source without affecting the protective gas shield.



- Direct extraction at the arc – ensures permanent protection of the welder's respiratory system
- Problem free installation in all existing MIG/MAG work stations
- Small extraction tube diameter – better accessibility
- Aluminium extraction tube – considerable weight saving

- Handle with extraction control and swivel joint – optimized handling
- Smaller diameter extraction hoses for all types – lower handling weight, optimum flexibility

Type	Cooling	Rating	Duty cycle	Wire size	
		CO ₂	Mixed Gases M21	(%)	(mm)
RAB Plus 15 AK	air	180 A	150 A	60	0.6-1.0
RAB Plus 24 KD	air	250 A	220 A	60	0.8-1.2
RAB Plus 25 AK	air	230 A	200 A	60	0.8-1.2
RAB Plus 36 KD	air	300 A	270 A	60	0.8-1.2
RAB Plus 240 D	liquid*	300 A	270 A	100	0.8-1.2
RAB Plus 501 D	liquid*	500 A	450 A	100	1.0-1.6
RAB Plus 501	liquid*	550 A	500 A	100	1.0-1.6



* Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.		
		3 m	4 m	5 m
RAB Plus 15 AK	Fume extraction handle	602.2004	602.2005	602.2006
RAB Plus 24 KD	Fume extraction handle	612.2002	612.2003	612.2004
RAB Plus 25 AK	Fume extraction handle	604.2004	604.2005	604.2006
RAB Plus 36 KD	Fume extraction handle	614.2002	614.2003	614.2004
RAB Plus 240 D	Fume extraction handle	623.2002	623.2003	623.2004
RAB Plus 501 D	Fume extraction handle	634.2002	634.2003	634.2004
RAB Plus 501	Fume extraction handle	632.2010	632.2011	632.2012

RAB Plus specific wear parts



Type	Fume shroud	Fume shroud (funnel)
RAB Plus 15 AK	600.2003	602.0040
RAB Plus 24 KD	600.2005***	612.0023
RAB Plus 25 AK	600.2004	602.0040
RAB Plus 36 KD	600.2006***	612.0023
RAB Plus 240 D	600.2005***	612.0023
RAB Plus 501 D	600.2006***	612.0023
RAB Plus 501	600.2006***	612.0023

***With spring clip for fixing the fume shroud (600.2028).

Type	Swan neck	Outer neck	Gas nozzle holder
RAB Plus 15 AK	602.2001	600.2001	902.0007
RAB Plus 24 KD	612.2001	600.2002	-
RAB Plus 25 AK	604.2001	600.2001	-
RAB Plus 36 KD	614.2001	600.2002	-
RAB Plus 240 D	623.2001	600.2002	-
RAB Plus 501 D	634.2001	600.2002	-
RAB Plus 501	632.2001	632.2009	-

The wear parts – contact tip, gas nozzle, gas diffuser, contact tip holder, guide spiral or liner – are identical with those of the manual welding torches of same size.

MIG/MAG Fume Extraction Torches in action ...



RAB Plus **without** fume extraction



RAB Plus **with** fume extraction