

## MIG/MAG Welding Torches MB GRIP SC liquid cooled



### Super cool!

Today, practice places new demands on liquid cooled MIG/MAG welding torches, as higher welding speeds and fusing performances are required. ABICOR BINZEL has risen to these new challenges and fundamentally revised reliable liquid cooled MB GRIP torch range.

The task for the engineers and technicians included: greater cooling capacity for significantly cooler wearing parts, increasing the emergency operating features, as well as optimised welding torch balance and ergonomics. With constructive changes and new material combinations, the temperatures of the wearing parts (contact tip, contact tip holder, gas nozzle etc.) have been reduced by more than 100 °C. In practice, this means a "smoother and lower failure" arc, which significantly improves lifetimes, particularly in the case of

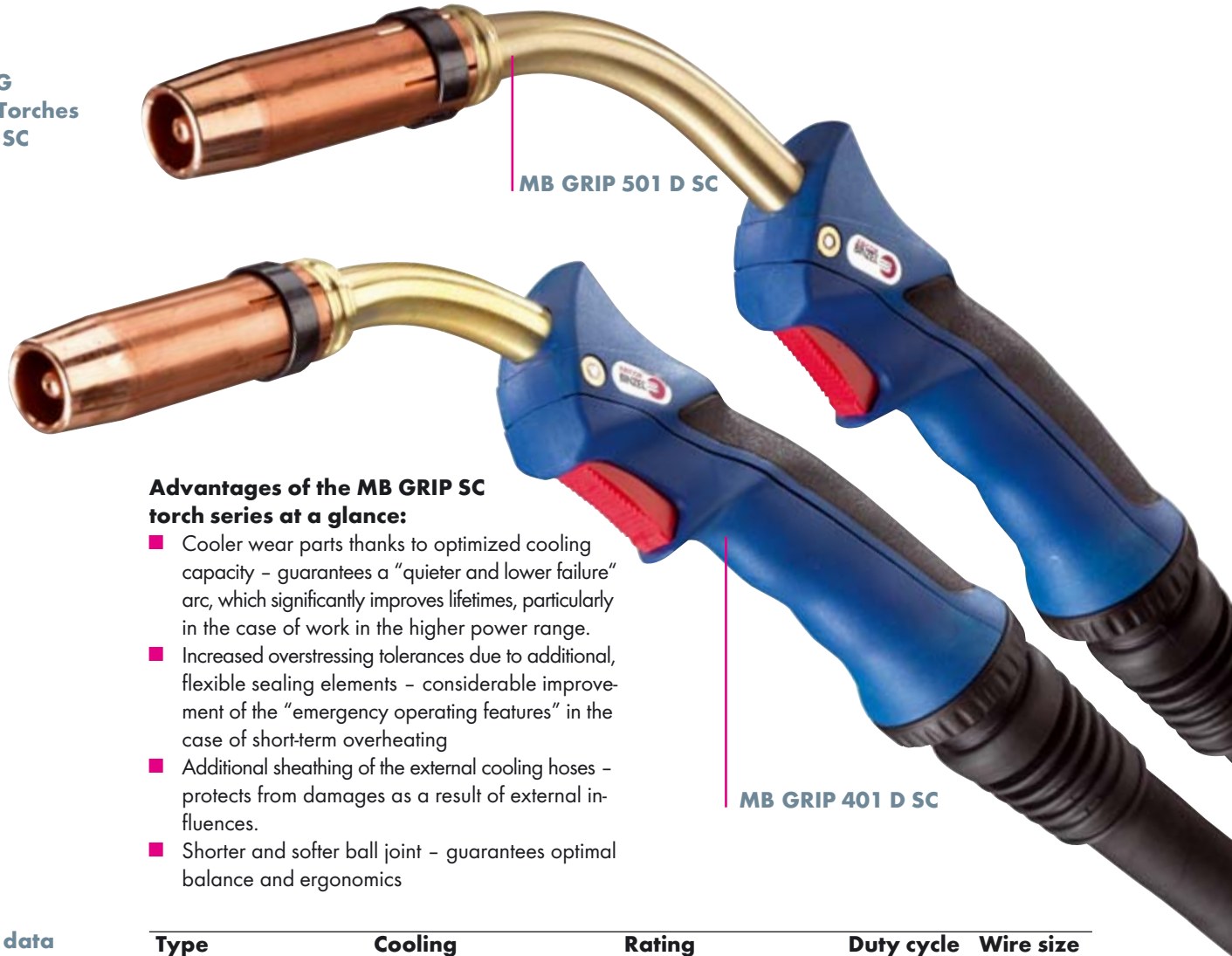
work in the higher power range. Furthermore, many "small" but important details were included in the development process, such as additional, flexible sealing elements, which considerably improve the "emergency operating features" in the case of short-term overheating, and additional sheathing to protect the external cooling hoses from damage as a result of external influences. Furthermore the torch balance and therefore the working ergonomics of the new MB GRIP SC torch range has noticeably been improved with "shorter and softer" ball joint on the 2-k handle.



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## liquid cooled

MIG/MAG  
Welding Torches  
MB GRIP SC



### Advantages of the MB GRIP SC torch series at a glance:

- Cooler wear parts thanks to optimized cooling capacity – guarantees a “quieter and lower failure” arc, which significantly improves lifetimes, particularly in the case of work in the higher power range.
- Increased overstressing tolerances due to additional, flexible sealing elements – considerable improvement of the “emergency operating features” in the case of short-term overheating
- Additional sheathing of the external cooling hoses – protects from damages as a result of external influences.
- Shorter and softer ball joint – guarantees optimal balance and ergonomics

### Technical data

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO <sub>2</sub>	Mixed gases M21		
MB GRIP 401 D SC	liquid*	400 A	350 A	100	0.8–1.2
MB GRIP 501 D SC	liquid *	500 A	450 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.

### Order numbers complete torches

Type	Part-No.		
	3 m	4 m	5 m
MB GRIP 401 D SC; Central adaptor WZ-2; PVC	998.0525.1	998.0526.1	998.0527.1
MB GRIP 401 D SC; Central adaptor WZ-2; BRH	998.0531.1	998.0532.1	998.0533.1
MB GRIP 501 D SC; Central adaptor WZ-2; PVC	998.0522.1	998.0523.1	998.0524.1
MB GRIP 501 D SC; Central adaptor WZ-2; BRH	998.0528.1	998.0529.1	998.0530.1



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