

PSF Torches

Water-cooled Industrial Series



PSF 520W

PSF 420W

The next generation of PSF has been completely redesigned with front-end wear parts that remain fully compatible with the time-proven heritage PSF wear parts. The modern look and feel, as well as improved performance, make this the right tool for even the most demanding industrial applications.

- 2 sizes of water-cooled models
- PSF 520W with dual-circuit cooling system for optimal performance
- Threaded gas nozzles secure a firm fit and better heat dispersion
- Very durable wear part system with robust tip adapter and long tips for the toughest applications
- CuCrZr contact tips for long life
- Optional remote control module

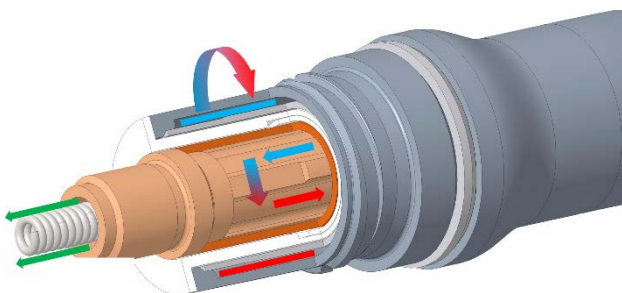
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Industry

- Ship and Offshore Yards
- Repair and Maintenance
- Steel Industry
- Industrial and General Fabrication
- Automotive



With an ergonomic and well-balanced handle with soft grip feature, the new PSF torch models ensure best comfort for the welder.



Dual-circuit cooling system (520W) ensure the critical front-end stays cool even under extreme conditions. Less heat means better wire feedability and fewer production stops to change wear parts.



The RS3 module provides the option to select between 3 programs. RS3 is compatible with any ESAB machines with MA23-, MA24-, MA25-, U6- or U8₂ control panels.

PSF Torches

Specifications		
Description	PSF 420W	PSF 520W
Cooling	Water	Water, dual-circuit
Welding Output Mixed Gas	450 A at 100%	500 A at 100%
Welding Output CO ₂	450 A at 100%	500 A at 100%
Wire Diameter	0.8 – 1.6 mm	1.0 – 1.6 mm
Certification Mark (Standards)	CE (IEC 60974-7)	
Operating Temperature	-10 to +40 °C	
Cable Length	3 m, 4 m, 5m	

Ordering Information			
Description	3 m	4 m	5 m
PSF 420W, with Euro Connection	0700025060	0700025061	0700025062
PSF 420W RS3, with Euro Connection	0700025063	0700025064	-
PSF 520W, with Euro Connection	0700025070	0700025071	0700025072
PSF 520W RS3, with Euro Connection	0700025073	0700025074	-

Wear Parts – Liners			
Description	Part Number	PSF 420W	PSF 520W
Steel liner			
0.8 – 1.0, Blue, 3 m	0700200085	x	x
0.8 – 1.0, Blue, 4 m	0700200086	x	x
0.8 – 1.0, Blue, 5 m	0700025800	x	x
1.0 – 1.2, Red, 3 m	0700200087	x	x
1.0 – 1.2, Red, 4 m	0700200088	x	x
1.0 – 1.2, Red, 5 m	0700025801	x	x
1.2 – 1.6, Yellow, 3 m	0700025802	x	x
1.2 – 1.6, Yellow, 4 m	0700025803	x	x
1.2 – 1.6, Yellow, 5 m	0700025804	x	x
PTFE liner (for Aluminium)			
1.0 – 1.2, Red, 3 m	0700200091	x	x
1.0 – 1.2, Red, 4 m	0700200092	x	x
1.0 – 1.2, Red, 5 m	0700025812	x	x
1.2 – 1.6, Yellow, 3 m	0700025813	x	x
1.2 – 1.6, Yellow, 4 m	0700025814	x	x
1.2 – 1.6, Yellow, 5 m	0700025815	x	x
PA/Bronze-Liner (for aluminium and stainless steel)			
0.8 – 1.0, Anthracite 3 m	0700025816	x	x
0.8 – 1.0, Anthracite 4 m	0700025817	x	x
0.8 – 1.0, Anthracite 5 m	0700025818	x	x
1.2 – 1.6, Anthracite 3 m	0700025819	x	x
1.2 – 1.6, Anthracite 4 m	0700025820	x	x
1.2 – 1.6, Anthracite 5 m	0700025821	x	x

For complete list of wear and spare parts please see separate manual or spare parts list.

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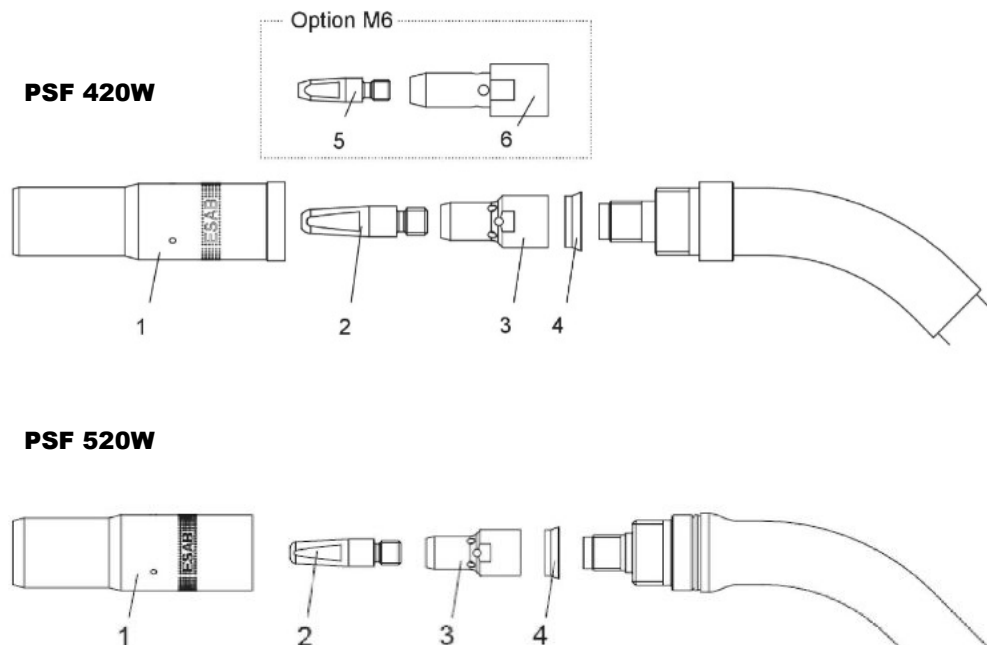
Wear Parts

No.	Description	PSF 420W	PSF 520W
1	Gas Nozzle Conical	0458464882 (Ø 16 mm)	0458 464883 (Ø 17 mm)
1	Gas Nozzle Conical only for M6	0458465882 (Ø 14 mm)	0458465883 (Ø 15 mm)
1	Gas Nozzle Cylindrical	0458470882 (Ø 19 mm)	0458470883 (Ø 21 mm)
3	Tip Adapter M6	0366394001	-
3	Tip Adapter M8	0460819001	0460819001
4	Insulation Washer	0458874001	0458874001

Wear Parts – Contact Tips

No.	Gas / Wire Ø		PSF 420W		PSF 520W
	CO ₂	Mix/Ar	M6	M8	M8
2	0.6		0468500001		
2		0.6	0468500002		
2	0.8		0468500003	0468502003	0468502003
2	0.9	0.8	0468500004	0468502004	0468502004
2	1.0	0.9	0468500005	0468502005	0468502005
2	1.2		0468500006	0468502006	0468502006
2	1.2	1.0	0468500007	0468502007	0468502007
2	1.4	1.2	0468500008	0468502008	0468502008
2	1.6		0468500009	0468502009	0468502009
2		1.6	0468500010	0468502010	0468502010

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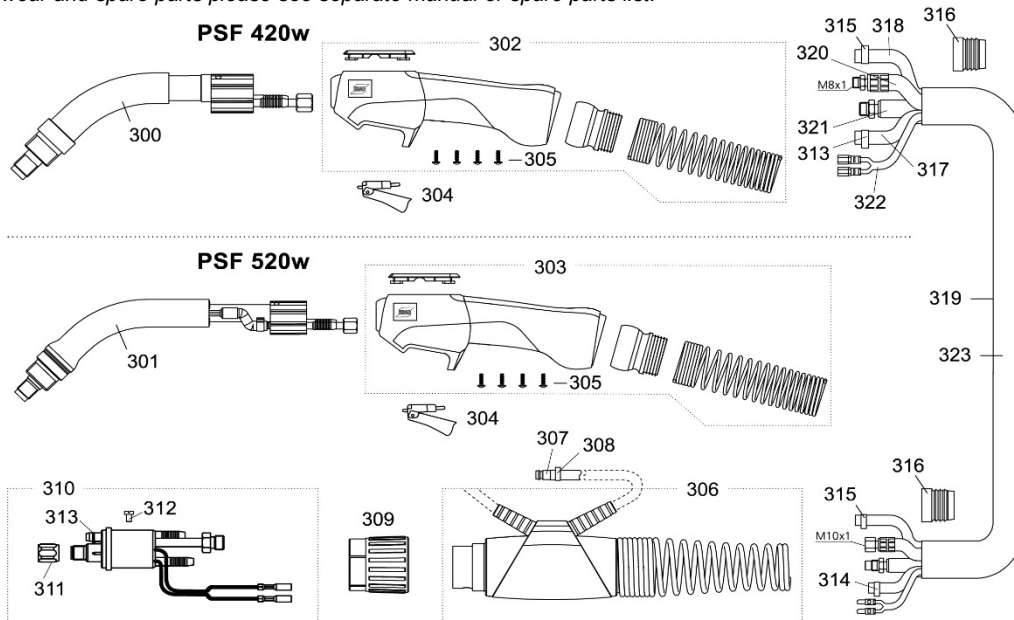
Spare Parts

No.	Description	Part Number	PSF 420W	PSF 520W
300	Torch neck PSF 420W	0700025004	x	
201	Torch neck PSF 520W	0700025005		x
302	Handle Complete PSF 420w	0700025905	x	
303	Handle Complete PSF 520w	0700025906		x
304	Trigger, yellow, 2-poles	0700025903	x	x
306	Cable support cpl.	0700025971	x	x
307	Quick Connector	0700025973	x	x
310	Central Connector W	0700025970	x	x
314	Hose Clamp w/ Ring Ø 8.7	0700025974	x	x
308	Hose Clamp w/ Ring Ø 9.0	0700025975	x	x
315	Hose Clamp w/ Ring Ø 9.5	0700025976	x	x
316	Clamping Ring Outer Cover	0700025972	x	x
317	PVC-Gas Hose, Black, 4.5 x 1.5 mm	0700025993	x	x
318	PVC hose, Braided, Black, 5 x 1.5 mm	0700025994	x	x
319	Fabric Outer Cover	0700025992	x	x
-	RS3 Module Complete	0700025850	(x)	(x)

Spare Parts - Cables

No.	Description	3 m	4 m	5 m
320	Water-power Cable	0700025983	0700025984	0700025985
321	Wire Conduit	0700025986	0700025987	0700025988
322	Control Cable cpl.	0700025989	0700025990	0700025991
323	Cable Assembly	0700025980	0700025981	0700025982

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