

MULTI-PROCESS Aristo MIG U5000iw WeldCloud

Part Number	0445400883
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STEP 1

Powersource Selection

Technical Information	
Input voltage	400V +/- 10%, 3 - 50-60Hz
Setting range MIG/MAG (GMAW)	8 - 60V / 16 - 500 A
Setting range TIG (GTAW)	4 - 500 A
Permissible load MIG/MAG (GMAW)	500 A / 39,0 V @ 60% 400A / 34,0 V @ 100%
Permissible load TIG (GTAW)	500 A / 30,0 V @ 60% 400A / 26,0 V @ 100%
Power factor @ Max Current TIG / MIG	0,88 / 0,90
Efficiency @ Max Current MIG	86%
Efficiency @ Max Current TIG	82%
No-load power when in energy saving mode, 6,5 min after welding	
TIG/MIG (GTAW/GMAW)	45W
Open circuit voltage U ₀ max	
MIG MAG (GMAW) without VRD function ¹	72 - 88V
U ₀ "LiveTIG (GTAW)", VRD function deactivated ²	79 V
MIG MAG (GMAW), VRD function deactivated ²	59 V
VRD function activated ²	< 35V
Fuse type C MCB	32A
Operating temperature	-10° to 40° C
Enclosure class	IP23
Insulation class transformer	H
Application class	S
Dimension L x W x H	625 x 394 x 776 mm
Weight	102Kg
Approvals	CE, Eco Design

- 1) Valid for power sources without VRD specification on the rating plate.
2) Valid for power sources with VRD specification on the rating plate. The VRD function is explained in the instruction manual for the control panel.

Panel Information

Product Family	Product Name	Tig HF	Live Tig	Spot welding time	Limit setting	Code lock	Customizable synergic lines	SuperPulse	Quality/productivity data reports
Pulsed panels	U6	x	x	x	x	x			
Pulsed control pendant	Aristo U82 Plus	x	x	x	x	x	x	x	x

Standard Features

Available on all panels

Mig Pulse
Mig Synergic
Qset
Memory Positions
2 Strokes/4 Strokes
Pre-post gas flow setting
Burn Back /SCT
Hot Start

STEP 2

Cooling Unit Selection

Embedded, no need for additional order

Product Family	Product Name	Cooling Power	Max Water Flow
Cooling unit	N/A	2.0 kW	2.0 l/min

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Part No.	Flowmeter/heater	Remotes M1A1 CAN, AT1 CAN and other	ELP function for legacy equipment	Push-pull 5Mechanised Mig	U82 Control pendant included
RobustFeed	RobustFeed U6	0445800897		x			
		0445800887	x	x			
		0445800888	x	x	x	x	
RobustFeed	RobustFeed U82 Plus	0445800899		x	x		x
		0445800898	x	x	x		x
		0445800900	x	x	x	x	x
		0445800901		x	x		

STEP 4

Connection Cable Selection

NB: 95mm² cables require use of cable strain relief 0446050881

Product Family	Product Name	1.7 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70 mm ² water cooled	0446255890	0446255891	0446255892	0446255893	0446255894	0446255895
Connection cable	95 mm ² water cooled	0459528990	0459528991	0459528992	0459528993	0459528994	

STEP 5


Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	EXEOR PSF 415 Air cooled	0700026406	0700026407	0700026408
Mig torches	EXEOR PSF 515 Air cooled	0700026411	0700026412	0700026413
Mig torches	EXEOR PSF 420W Water cooled	0700026415	0700026416	0700026417
Mig torches	EXEOR PSF 430W Water cooled	0700026420	0700026421	0700026422
Mig torches	EXEOR PSF 520W Water cooled	0700026425	0700026426	0700026427

Note: 430W and 520W models have dual-circuit cooling

STEP 6

Trolley

Product Name	Part No.	
Trolley For Aristo 5000/U5000	0458530880	

STEP 7

Accessories Information

Product Name	Part No.	
Wire feeder attachment	0458731880	
Insulating bushing for guide pin, included in trolley	0278300401	
Multivoltage unit AristoMig	0459145880	
Handle (1 piece) with mounting screws	0459307881	
Remote control adapter RA12 12 pole for analogue remote controls to CAN based equipment.	0459491910	
Return cable 5 m, 95 mm ²	0700006897	
Water return flow guard Mech 7 m	0461203880	
Coolant 10 l	0465720002	
Aristo® U82 Plus, complete including holder	0460820881	


Product Name	Part No.	
Remote digital control - Connect to powersource 12pole outlet in Aristo 5000WC/ U5000WC or any version Robustfeed U82, U6.		
Remote control MTA1 CAN MIG/MAG: wire feed speed and voltage TIG: current, pulse and background current	0459491880	
Remote control unit M1 10Prog CAN choice of one of 10 programs MIG/MAG: voltage deviation TIG: current deviation	0459491882	
Remote cable CAN 4 pole – 12 pole 5 m 10m 15m 20m 0,40m	0459554880 0459554881 0459554882 0459554883 0459554884	
Remote cable CAN 4 pole – 12 pole 16 ft 5in. (5.0 m) HD	0459554980	
Counterbalance Arm RobustFeed requires stabilizer kit 0465509880	0448181880	
Stabilizer kit for counterbalance	0465509880	

STEP 8

Wear Part List


Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007
									0445850008


	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurlled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036
								0445850037

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885