

NEW IN OUR PRODUCT RANGE

until revocation

Plasma cutting system Avalon 40.1 AIR with integrated compressor

Cuts carbon steel, stainless steel, aluminium, copper

The air plasma cutting unit Avalon 40.1 Air with integrated compressor is your reliable partner for demanding applications. Lead Avalon 40.1 Air to cut material up to a thickness of 18 mm.

WITH COMPRESSOR



JAVAC Deutschland GmbH

www.javac-deutschland.de
info@javac-deutschland.de

Features

- IGBT technology
- Active PFC technology for increased duty cycle and energy efficiency
- Air flow manual activation switch to set test air pressure pressure without the need to trigger the torch.
- Lightweight compact design, ideal for portable applications
- Intelligent protection system protects plasma torch from damage incorrect air pressure, consumables not in place, excessive pilot arc use



Model	Avalon 40.1 AIR	
Supply voltage(V)	160-275V	
Fre. HZ	50/60 Hz	
Effective power	25 A	
Rated input power	4,7 KW	
Rated input current	33 A	
Duty cycle 40°C 10 min	60% 40A 100% 30A	
Severance Cut for Carbon Steel	≤18	
Optimal cutting thickness	Carbon steel	≤14
	Stainless steel	≤14
	Aluminum	≤14
	Copper	≤5
Measurment (LxWxH) mm	480x210x340	
Protection class	IP23	
Insulation class	H	
Weight	17,9 kg	
Cooling	AF	
Power Factor	0.99	
Item no.	02.02.10.00044	

List price AVALON 40.1 AIR

1.600,- €

plus VAT, PC:D

Scope of delivery:
1 Earth cable 3m

Optional
Hand torch
PT-60/6m with coaxial cable
Price: 325,-€

PC: D

Subject to misprints, errors and technical changes! 04.02.2022

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Industriestraße 29/2
D-73340 Amstetten

Tel. +49 (0)73 31 - 30 58 0
Fax +49 (0)73 31 - 30 58 58

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+49(0)73 31 - 30 58 20

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+49(0)73 31 - 30 58 24



NEW IN OUR PRODUCT RANGE

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AVALON 65 Air with integrated compressor

Cutting - cleanly and reliably

The air plasma cutting unit AVALON 65 Air with integrated compressor is your reliable partner for demanding applications. Use the AVALON 65 Air to cut materials up to 35 mm thick.



Features

- IGBT technology
- with integrated compressor
- Microprocessor control system for superior & dynamic arc characteristics.
- CNC interface connection
- Non HF arc starting system for increased reliability and low EMF pollution
- Air flow manual activation switch to set test air pressure, pressure without the need to trigger the torch.
- Intelligent protection system protects plasma torch from damage incorrect air pressure, consumables not in place, excessive pilot arc use.

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Model		AVALON 65 AIR
Supply voltage(V)		3-380/V 400V ±10% /50/60Hz
Rated input current		18 A
Rated input power		7,8 KW
Current adjustment range		20 A ~ 65 A
No-load voltage		450 V
Duty cycle 40°C 10 min		90% 65A 100% 61A
max.cutting thickness to Carbon steel		≤35 mm
Optimal cutting thickness	Carbon steel	≤25 mm
	Stainless steel	≤25 mm
	Aluminum	≤20 mm
	Copper	≤14 mm
Measurem (LxWxH) mm		595x250x890
Protection class		IP23
Insulation class		H
Weight		24 kg
Cooling		AF
Item no.		02.02.10.00062

List price AVALON 65 AIR

2.290,- €

plus VAT PC: D

Scope of delivery:

1 Earth cable 3m

Optional accessories:

Hand torch
PT-60/6m with coaxial-cable

Price: 325,-€

PC: D

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Industriestraße 29/2
D-73340 Amstetten

Tel. +49 (0)73 31 - 30580
Fax +49 (0)73 31 - 30 58 58

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NEW IN OUR PRODUCT RANGE

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AVALON 65 CNC

Cutting - cleanly and reliably

AVALON 65 CNC is a lightweight handy plasma cutting unit with high cutting performance and an excellent cutting quality. Their low weight makes them ideal devices for trade, shop and industry.

For the use as CNC-Plasma Cutting the Avlon 65 CNC is provided with a specific point of intersection.



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Feature

- IGBT technology
- Microprocessor control system for superior & dynamic arc characteristics
- CNC interface connection
- Non HF arc starting system for increased reliability and low EMF pollution
- Air flow manual activation switch to set test air pressure, pressure without the need to trigger the torch.
- Intelligent protection system protects plasma torch from damage incorrect air pressure, consumables not in place, excessive pilot arc use



List price AVALON 65 CNC
1.475,- €
plus VAT, PC D

Scope of delivery:
1 Earth cable 3 m

Optional
Hand torch
PT-60/6m
Price: 325,-€

Optional for CNC use
Machine torch
PTM-60 with coaxial cable /6 m
Price: 440,- €
Machine torch
PTM-60 with coaxial cable
/12 m
Price: 525,- €

Model	AVALON 65 CNC	
Supply voltage(V)	3-380/V 400V ±10% /50/60Hz	
Rated input current	18 A	
Rated input power	7,8 KW	
Current adjustment range	20 A ~ 65 A	
No-load voltage	450 V	
Duty cycle 40°C 10 min	90% 65A 100% 61A	
Piercing on CNC machine max.	≤12-14 mm	
The max. cutting thickness to Carbon steel	≤35 mm	
Optimal cutting thickness *	Carbon steel	≤25 mm
	Stainless steel	≤25 mm
	Aluminum	≤20 mm
	Copper	≤14 mm
Measurement (LxWxH) mm	663x253x423	
Protection class	IP23	
Insulation class	H	
Weight	24 kg	
Cooling	AF	
Item no.	02.02.10.00061	

*Indications for hand torch

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Industriestraße 29/2
D-73340 Amstetten

Tel. +49 (0)7331 - 30580
Fax +49 (0)7331 - 30 58 58

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+49(0)7331 - 305820

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AVALON 120 CNC

Cutting - cleanly and reliably

The AVALON 120 CNC is a lightweight, handy plasma cutting system with high cutting performance and top cutting quality. Its low weight makes it the ideal candidate for craftsmen, workshops and industry.

For use as a CNC plasma cutting unit, the AVALON 120 CNC is equipped with a special interface. The AVALON 120 CNC can pierce holes up to 18 mm thick.

Feature

- IGBT technology
- Microprocessor control system for superior & dynamic arc characteristics
- CNC interface connection
- Non HF arc starting system for increased reliability and low EMF pollution
- Air flow manual activation switch to set test air pressure, pressure without the need to trigger the torch.
- Intelligent protection system protects plasma torch from damage incorrect air pressure, consumes not in place, excessive pilot arc use



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Model	AVALON 120 CNC	
Supply voltage(V)	3-380/V 400V ±10% /50/60Hz	
Rated input current	26 A	
Rated input power	10,4 KW	
Current adjustment range	20 A ~ 120 A	
No-load voltage	420 V	
Duty cycle 40°C 10 min	60% 120A 100% 93A	
Piercing on CNC machine max.	≤20 mm	
The max. cutting thickness to Carbon steel	≤70	
Optimal cutting thickness *	Carbon steel	≤50
	Stainless steel	≤50
	Aluminum	≤45
	Copper	≤25
Measurement (LxWxH) mm	663x253x423	
Protection class	IP23	
Insulation class	H	
Weight	30,5 kg	
Cooling	AF	
Item no.	02.02.10.00121	

List price AVALON 120 CNC

3.350,- €

plus VAT PC: D

Scope of delivery:

1 Earth cable 3m

Optionales Zubehör:

Hand torch

PT-100 with coaxial cable /6m

Price: 495,-€

Optional for CNC mode:

Machine torch

PTM-100 with coaxial cable /6m

Price: 595,-€

Machine torch

PTM-100 with coaxial cable /12m

Price: 785,-€

PC: D

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*Indications for hand torch (max. 20-24 mm for CNC)

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D-73340 Amstetten

Tel. +49 (0)73 31 - 30580
Fax +49 (0)73 31 - 30 58 58

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NEW IN OUR PRODUCT RANGE

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MIG/MAG Welding inverter Star DP 200 with Puls und Doppelpuls

Features

- German menu
- IGBT technology
- Welding data display: Amper, Volt and working time
- **MIG Function**
- Puls, Double pulse
- 2-Cycle, 4-Cycle
- Material: Stainless steel, Al-Si, Al-Mg, Cu-Si
- **MMA Function** MMA Mode: ARC-FORCE and HOT START as well as the VRD protection system can also be activated or deactivated.
- **Lift (WIG) Function** possible with gas valve on the TIG torch.
- 18 Memory space
- Lightweight
- MIG welding torch with remote function



MIG welding torch with remote function



MIG/MAG
MMA
&
TIG



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Model		Star DP 200
Supply voltage (V)		230V ±/- 15% 50/60
Rated input power	MIG	40 - 200 A
	MMA	30 - 200 A
	TIG	20 - 350 A
Nominal power		13,9 KVA
Duty cycle		60%
Feed mode		all in one
Workpiece thickness		0,5 - 5 mm
Welding wire diameter		0.8 - 1.2
Measurement (mm)		460x220x375
Weight		15,6 kg
Item no.		02.01.24.00010

List price Star DP 200

1.100,-€

plus VAT PC: D

Scope of delivery:

- 1 MIG Torch UF 24/4 m
- 1 Earth cable (5 m)

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D-73340 Amstetten

Tel. +49 (0)7331 - 30580
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Star DP 350 Digital Double Pulse Protective Gas Welding Inverter with german menu



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Features

- German menu
- IGBT technology
- Welding data display: Amper, Volt and working time
- **MIG/MAG Function**
- Puls, Double pulse
- 2-Cycle, 4-Cycle, Spot Welding
- Material:Stainless steel, Al-Si, Al-Mg, Cu-Si
- **Synergy function**
- 2-Cycle
- Puls
- Material:Stainless steel, Al-Si, Al-Mg, Cu-Si
- **MMA Function**; MMA Mode: ARC-FORCE and HOT START as well as the VRD protection system can also be activated or deactivated.
- **Lift (TIG) Function** possible with gas valve on the TIG torch.
- Wire feeder with 4-wheel drive
- Intelligent sensor fan. The fan is only used when you are working. It regulates heat and noise when welding.
- Remote control via foot pedal and remote torch control possible.
- 18 Memory space



List price Star DP 350
2.000,- €
plus VAT PC: D

Scope of delivery:
1 MIG torch UF36/4
1 Earth cable (5 m)



MIG welding torch with remote function



Easy selection between Synergy, MIG, TIG and MMA mode



Easy function settings

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D-73340 Amstetten

Tel. +49 (0)73 31 - 30580
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Star DP 350 Digital Double Pulse Protective Gas Welding Inverter with german menu



Room for gas bottles



Wire support for spools up to 15 kg

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Model		Star DP 350
Supply voltage (V)		AC 400V±15% 50/60
security		20 A
Output current range	MMA	30 - 300 A
	TIG	10 - 300 A
	MIG/MAG	40 - 350 A
Output voltage	MMA	21,2 - 32 A
	TIG	10.4 - 22
	MIG/MAG	16 - 32
Duty cycle		30% 350 A 60% 248 A 100% 192 A
Nominal power		13,9 KVA
Power factor		0.93
Workpiece thickness		0,5 - 6 mm
Feed type		4R
Wire feeding speed		2 ~ 18 m/min
Welding wire diameter		0.8 - 1.2
Insulation class		F
Protection class		IP21
Measurement (mm)		810×510×800
Weight		44,2 kg
Item no.		02.01.24.00350

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D-73340 Amstetten

Tel. +49 (0)7331 - 30580
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Plasma Cutting Unit AVALON 40.1 PFC

Cutting C-steel, stainless steel, aluminium, copper and more

AVALON 40.1 is a lightweight handy plasma cutting unit with high cutting performance and an excellent cutting quality. Their low weight makes them ideal devices for trade, shop and industry.

Features

- IGBT technology
- Active PFC technology for increased duty cycle and energy efficiency
- Air flow manual activation switch to set test air pressure pressure without the need to trigger the torch.
- Lightweight compact design, ideal for portable applications
- Intelligent protection system protects plasma torch from damage incorrect air pressure, consumables not in place, excessive pilot arc use



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Sorted purchase with other devices from the net price list is possible!

Model	AVALON 40.1 PFC	
Supply voltage(V)	single-phase, 90VAC 27 5 VAC	
Fre. HZ	50/60	
	1-220/230/240 ± 10%	
Rated input current	23 A	
Rated input power	4,9 KW	
Current adjustment range	20 A ~ 40 A	
Duty cycle 40°C 10 min	35% 40A	
	60% 32A	
	100% 25A	
Severance Cut for Carbon Steel	≤25	
Optimal cutting thickness	Carbon steel	≤20
	Stainless steel	≤20
	Aluminum	≤16
	Copper	≤12
Measurem (L x W x H) mm	505x147x305	
Protection class	IP23	
Insulation class	H	
Weight	8 kg	
Cooling	AF	
Power Factor	0.99	
Item no.	02.02.10.00042	

List price AVALON 40.1 PFC
890,- €
plus VAT

Scope of delivery:
1 Earth cable 3m

Optional
Hand torch
PT-60/6m with coaxialcable
Price: 325,-€

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D-73340 Amstetten

Tel. +49 (0)73 31 - 30 58 0
Fax +49 (0)73 31 - 30 58 58

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+49(0)73 31 - 30 58 20

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