23. WELDING

Welding equipment	p. 644
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>>> Welding equipment

Code

PRAXAIR

Electrode welding equipment. AC welding transformer groups

At www.rodavigo.net

Family: Welding Product: Praxair material











Code

TRANSFORMER A-142

TRANSFORMER A-182

Code

TRANSFORMER A-173 MINI

5322400016

Continuous magnetic regulation: 4-140 A 230 / 400V. With intensity indicator

Monophase Portable

Weight 20.5 Kg For electrodes up to 2.5 mm

Includes accessories: Sets of ground clamp and electrode holder, pickaxe, brush and

Continuous magnetic regulation: 55-180 A 5322400031 230 / 400V

Monophase Portable

Weight 23 Kg with intensity indicator

For electrodes up to 3.25 mm

Includes accessories: Sets of ground clamp and electrode holder, pickaxe, brush and

5322400333 Regulation by selectors: 30-170 A 230 / 400V. 16 regulation points

Monophase

Portable

Auxiliary outputs 12 and 220 V Fiberglas body, shock resistant

Weight 41 Kg

For electrodes up to 3.25 mm 5322400930

RECOMMENDED ACCESSORIES: Basic accessories set: pickaxe, brush, screen, dough clamp sets and connector electrode holder 10-25







Code

TRANSFORMER A-212.1



TRANSFORMER A-262.1

5322400344

5322400930

Code

Regulation by selectors: 35-220 A 230 / 400V. 16 regulation points

Monophase Portable

Auxiliary outputs 12 and 220 V Fiberglas body, shock resistant

Weight 50 Kgs

For electrodes up to 4 mm

RECOMMENDED ACCESSORIES: Basic accessories set: pickaxe, brush, screen, dough clamp sets and connector electrode holder 10-25

5322400300

Continuous magnetic regulation: 35-210 A 5322400311 230 / 400V

Monophase

Intensity indicator, wheels and handle Weight 53.2 Kgs

For electrodes up to 4 mm Includes accessories: Set of clamp and electrode holder connector 35-50, brush, pickaxe and mask

Code

Continuous regulation by handle: 35-260 A

230 / 400V

Monophase

Intensity indicator, wheels and handle

Weight 68 Kgs

For electrodes up to 5 mm

Uncludes accessories: Set of clamp and electrode holder connector 35-50, brush, pickaxe and mask

Electrode welding equipment. Converter rectifier groups for DC welding







Code

MICRO RECTIFIER DC-124 i with carrying case and accessories

Code 5322400064

MICRO RECTIFIER DC-144 i

230 V. (+13%, -13%). Monophase. 50 / 60 Hz. F. 16 A. Continuous regulation: 3 - 120 A. F. U. 40% 120 A. Vo: 90 V.

Weight 5.3 kg. IP23 protection for outdoors and class H

With full protection against voltage fluctuations. Connection to generators and very extensive extensions. Hot-Start, Arc Force.

Includes accessory case:

Screen, pickaxe brush, a pack with 5 electrodes of 2.5

and 5 electrodes of 3.2, clamps mass and connector electrode holder 10-25. Electrodes up to 3.2 mm. and TIG Liftarc.

230 V. (+13%, -13%) Monophase. 50 / 60 Hz. F. 16 A. Continuous regulation:

Weight 5.3 kg.

IP23 protection for outdoors and class H. With full protection against voltage fluctuations.

Connection to generators and extensions up to 50 m. Hot-Start, Arc Force. Electrodes up to 4 mm. and TIF Liftarc. RECOMMENDED ACCESSORIES

5322407510 Accessories case consisting of a screen, pickaxe brush, a package with 5 electrodes of 2.5 and 5 electrodes of 3.2, ground clamps and 10-25 connector electrode holder.

Code

MICRO RECTIFIER DC-164 i

230 V. (+15%, -40%) 5322407300

Monophase 50 / 60 Hz. F. 16 A

Multivoltage 115 / 230 V. 5322408766

115 V (±15%) 230 V. (+15%, -20%) Monophase. 50 - 60 Hz.

Continuous regulation: TIG 10 - 160 A

Weight 4.8 kg.

IP23 protection for outdoors and class S

Plastic front and aluminum sides.

Inverter technology with exceptional priming and weldability. With thermal protector.

Allows connection to Generator Sets (8.1 kVA) without restrictions and extensions of up to 50 m.

Hot-Star, Arc Force, Antistick.

Electrodes up to 4mm. and TIG Liftarc. RECOMMENDED ACCESSORIES Code

5322400160 Electrode holder clamp set with 3m cable. 5322400204 Mass clamp set with 3m cable

5322407510 Carrying case with accessories: Screen, pickaxe brush, a pack with 5 electrodes of 2.5

and 5 electrodes of 3, 2, ground clamps and connector electrode holder 10-25.

PRAXAIR

>>> Welding equipment

5322412410 Intensity regulation remote control. 10 m. cable.

At www.rodavigo.net Family: Welding Product: Praxair material

Portable inverter rectifier groups for continuous welding (DC)

	T TOUGE. T TAXAII TIIALETIAI			
Code	MICRO RECTIFIER DC-184i	Code	MICRO RECTIFIER DC-204i	
5322401346	230 V. (+15%, -15%)	5322400090	230 V. (+15%, -15%)	
0022 101010	Monophase		Monophase.	
	50 / 60 Hz.		50 / 60 Hz.	
	Continuous regulation: 5-180 A.		Continuous regulation: 5-180 A.	The state of the s
	F.U. al 60%. 180 A.		F.U. al 60%. 200 A.	70.0
	Vo: 85 V.		Vo: 75 V.	The same of the sa
	Weight 6.3 Kg.		Weight 6.3 Kg.	
	Connection to generators (5.9 kVA).		Connection to generators (5.9 kVA).	
	Hot Start and Antistick selector, Arc Force		Hot Start and Antistick selector, Arc Force	
	and TIG Liftarc to weld rutile, basic and special		and TIG Liftarc to weld rutile, basic and special	
	electrodes up to 5 mm.		electrodes up to 5 mm.	
	RECOMMENDED ACCESSORIES:		RECOMMENDED ACCESSORIES:	
	Set of electrode holder clamp and 3 m cable. Connector 35-50.		Set of electrode holder clamp and 3 m cable. Connector 35-50.	
5322400215	Set of 250 A ground clamp. 3 m cable. Connector 35-50.	5322400215	Set of 250 A ground clamp. 3 m cable. Connector 35-50.	000m
Code	MICRO RECTIFIER DC-214i	Code	MICRO RECTIFIER DC-254i	
5322408711	230 V. (+13%)	5322408685	3 X 400 V. (+10%)	mercia is C6
	Monophase.		Three-phase.	MCRO-214001
	50 / 60 Hz. F. 20 A.		50 / 60 Hz. F. (3 X 16A).	
	Continuos regulation: 33200/AAF. El. Lto a 10 10 20 20 20 A.		Continuos regulation: 332860AAFJUUto=60%%/2505A.A.	
	Weight 14.7 Kg.		Weight 15.3 Kg.	
	Adjustable Hot Start and Arc Force times.		Adjustable Hot Start and Arc Force times.	
	Antistick.		Digital screen. Total protection against voltage fluctuations.	
	Digital screen. Full protection against voltage fluctuations.		with constant monitoring of the loss of a phase.	
	Connection to extensions and generators (10.53 kVA).		It allows connecting generators (14.10 kVA) and extensions.	- 1
	Front and rear impact and water resistant panels.		Front and rear impact and water resistant panels.	
	For electrodes up to 5 mm and TIG Liftarc.		Welds electrodes up to 6mm and TIG Liftarc.	
	RECOMMENDED ACCESSORIES:		RECOMMENDED ACCESSORIES:	0 0
	Electrode holder clamp and 3 m cable set. Connector 35-50.		Electrode holder clamp and 3 m cable set. Connector 35-50.	
5322400215	Set clamp ground cable 3m. Connector 35-50.	5322400215	Set clamp ground cable 3m. Connector 35-50.	



Code	RECTIFIER D-245	Code	RECTIFIER D-345	
5322401162 5322400171 5322400215	230 / 400 V. Three-phase. 50 Hz. Regulation by selectors with 20 positions: 19 - 240 A. F.U. to 40% 195 A. Vo = 75 V. Weight 83 Kg. With wheels, handles and hooks. Low minimum intensity. For electrodes up to 4 mm and TIG. RECOMMENDED ACCESSORIES: Electrode holder clamp and 3 m cable set. (1 X 35). Set clamp ground cable 3m. (1 X 25).	5322401173 5322400182 5322400226	230 / 400 V. Three-phase. Regulation by selectors with 30 positions: 34 - 340 A. F.U. to 40% 250 A. Vo = 78 V. Weight 105 Kg. With wheels, handles and hooks. Low minimum intensity. For electrodes up to 5 mm and TIG. RECOMMENDED ACCESSORIES: Electrode holder clamp and 3 m cable set. (1 X 35). Set clamp ground cable 3m. (1 X 25).	Compatible Towns of the Compatible Compatibl
Code	RECTIFIER D-252	Code	RECTIFIER D-302	
5322401033 5322400171 5322400215	Continuous regulation by handle: 55 - 250 A F.U. to 35% 230 A. Vo = 65 V. Weight 62 Kg. With wheels, handles and eyebolts and intensity indicator. Electrodes up to 4 mm and TIG. RECOMMENDED ACCESSORIES: Electrode holder clamp and 3 m cable set. (1 X 25). Set ground clamp 350 cable 3 m. (1 X 25)	5322401044 5322400182 5322400226	230 / 400 V. Three-phase. Continuous regulation by handle: 55 - 250 A F.U. to 35% 260 A. Vo = 65 V. Weight 67 Kg. With wheels, handles and eyebolts and intensity indicator. Electrodes up to 5 mm and TIG. RECOMMENDED ACCESSORIES: Electrode holder clamp and 3 m cable set. (1 X 35). Set ground clamp 350 cable 3 m. (1 X 35)	
PRAX	(AIR		>>>	Electrodes

>>> Electrodes

Carbon steel welding electrodes

PRAXAIR B-52 ELECTRODE

Basic coating electrode with high mechanical properties for welding in all positions, except vertical down.

5322412410 Intensity regulation remote control. 10 m. cable.

Recommended for use with C.C.

Code	Description	Units. Lot	
5322525106	PR. B-52 2,5 X 350 mm	175	
5322525110	PR. B-52 3,2 X 350 mm	115	
5322525121	PR. B-52 3,2 X 450 mm	115	
5322525143	PR. B-52 4,0 X 450 mm	80	
5322525165	PR. B-52 5.0 X 450 mm	55	



Code	Description	Units. Lot
5322525460	PR. B-69 2,5 X 350 mm	75
5322525471	PR. B-69 3,2 X 350 mm	52
5322525482	PR. B-69 3,2 X 450 mm	52
5322525504	PR. B-69 4,0 X 450 mm	36
5322525515	PR. B-69 5,0 X 450 mm	24

Vacuum packed basic coating electrode with high mechanical properties.





Castolin

>>> Stainless Steel Threads

Family: Welding Product: Castolin Material At www.rodavigo.net Threads and electrodes

RANGE OF CASTOMAG STAINLESS THREADS

Code	DIN standard	Features and Applications	Coils 15 Kg Ø mm.
57545500S08 57545500S10 57545500S12	DIN 8556: SG-X 2 Cr Ni 19 12 3L AWS A5.9: ER 316L Si	For mixed joints between austenitic stainless steels. Austenitic welding deposit. Peeling resistance up to 850°C.	0,8 - 1,0 - 1,2
57545503S08 57545503S10 57545503S12	DIN 8556: SG-X2 Cr Ni 19.9 AWS A5.9: ER 308L Si	For welding of stabilized and non-stabilized stainless steels. Peeling resistance up to 850°C. Austenitic weld deposit.	0,8 - 1,0 - 1,2
575500EC20 575500EC25 575500EC32	AWS A5.4 E 316 L-16	Electrode developed for welding on stainless steels containing molybdenum. Recommended for Cr-Ni-Mo stainless steels	Packages 4,5 Kg 2,0 - 2,5 - 3,2
575503EC20 575503EC25 575503EC32	AWS A5.4 E 308 L-16	Electrode made for welding austenitic stainless steels that do not contain molybdenum. Recommended for Cr-Ni stainless steels	Packages 4,5 Kg 2,0 - 2,5 - 3,2

EUTECTRODE RANGE

Reference	DIN standard	Features and Applications	Coils 15 Kg Ø mm.
EutecTrode	AWS A5.9 E 307 - 17	Deposit highly alloyed to Cr-Ni-Mo for joints that are difficult to weld or that are thick. Ideal for steels with high mechanical resistance.	2,5 - 3,2
307-17	EN 1600 E 18 9 MnMo R 32		4,0 - 5,0
EutecTrode	AWS A5.9 E 308L - 17	Rutile-coated electrode, with a performance of 110%. For welding of stabilized and non-stabilized stainless steels.	2.0- 2,5
308L-17	EN 1600 E 19 9 L R 32		3,2 - 4,0 - 5,0
EutecTrode 309L - 17	AWS A5.9 E 309L - 17 EN 1600 E 23 12 L R 32	Rutile-coated electrode with an approximate efficiency of 115%. Maximum service temperature for mixed joints of 300°C.	2,5 - 3,2 - 4,0
EutecTrode 310 E - 17	AWS A5.9 E 310- 17 EN 1600 E 25 20 R 32	Rutile-coated electrode with approximately 120% efficiency. Maximum service temperature for mixed joints of 300°C.	2,5 - 3,2 - 4,0
EutecTrode	AWS A5.9 E 312 - 17	Rutile-coated electrode with 120% efficiency.	2,5 - 3,2 - 4,0
312 E- 17	EN 1600 E 29 9 R 32	Resistant to cavitation and impact.	
EutecTrodE	AWS A5.4 E 316 - 17	Rutile-coated electrode with a performance of 110%. Austenitic welding deposit. Ideal for mixed joints between stainless steels	2.0- 2,5 - 3,2
316L-17	EN 1600 E 19 12 3 L R 32		4,0 - 5,0

Coated electrodes for high-quality joints **XUPER RUT**



Description:

Rutile-coated electrode for joint welding in all positions, in general construction steels, thin sheets, steel tubes.

- High mechanical characteristic values.
- Easy priming.Automatic lifting of the slag.

Characteristics: Tensile strength: 470-550 N / mm2 Elastic limit: 470 N / mm2 Lengthening (Lm5D):> 22% Resilience (ISO-V): 100 - 50 J ASTW-AWS: E - 6013 EN 499: E 38 0 RC 11

Applications

Steel welding ST 34, St 52, St 35, 4, St 45, 4; GS 38, GS 45; SI - SIII.
Usable in construction of machinery-steel structures, construction of tanks and naval building.

		PACKAGE		Box (Minimum quantity for sale)	
Code	Dimensions	Electrodes	Weight Kg	Electrodes	Weight Kg
575XUPERRUT25	2.5 x 350mm	115	2.3	690	13.8
575XUPERRUT32	3.2 x 350mm	75	2.25	450	13.6
575XUPERRUT40	4.0 x 350mm	50	2.18	300	13.0