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CEA

MIG/MAG

made in italy
SINCE 1950





QUBOX / QUBOX PULSE

BACK TO WELD

SYNERGIC MULTIPROCESS INVERTER PULSE EQUIPMENT WITH SEPARATE WIRE FEEDER

QUBOX and QUBOX PULSE series multiprocess equipment are characterized by a synergic digital control and inverter technology integrated into a sturdy and functional metallic structure, with a separate wire feeder. Technologically advanced, robust and easy-to-use, they allow high quality welding in MMA, TIG with "Lift" mode, MIG-MAG and with the QUBOX PULSE models, also in PULSED MIG.

QUBOX



QUBOX PULSE



Full synergic control

The intuitive interface will allow less experienced operators to easily operate QUBOX and QUBOX PULSED equipment with a user-friendly welding parameters adjustment process. Once the wished program has been selected, the welding control automatically sets the best parameters based on the material type, wire diameter and gas being used.



Professional and strong

QUBOX and QUBOX PULSE are the best choice in all industrial fields for all qualified applications requiring high precision and repeatability of the welding results, such as medium and large fabrication work, shipyards and steel erection.

QUBOX W and QUBOX W PULSE power sources are fitted with integrated cooling equipment.

Other characteristics

- Digital control of the welding parameters with synergic curves preset
- "Smart PROGRAM" key for quickly selecting any program
- "Energy saving" to operate the power source cooling fan and torch water cooling only when necessary
- Excellent arc striking
- Ability to partially or totally lock the equipment with access key by password
- Initial and final crater control
- Water cooling equipment integrated into the power source (W version)



TECHNICAL FEATURES



VISION.PULSE

vision.PULSE allows a constantly controlled short arc pulse welding, by optimizing the results of traditional pulse welding. This enables to reduce the high heat input, typical in pulse welding, with a consequent reduction in distortions, an improvement off the puddle and considerable increase in welding speed too.



WIRE FEEDER YARD 4

This compact and light wire feeder (11,5 Kg only), studied for Ø 200 mm wire spools, with flowmeter and complete control of the parameters on its panel, represents the ideal solution for shipyards and offshore welding applications.

VISION.ARC

Thanks to vision.ARC, the electric arc is monitored continuously by the microprocessor which manages the welding process in real time: all the parameters are processed and modified by the control that digitally manages the short circuits of MIG-MAG, keeping the arc stable and precise despite any change of the external conditions. The welding process is always under control from arc striking, by Wire Start Control (WSC), to when the arc is interrupted by Burn-Back Control.



WIRE FEEDER QF7 W PRO DRIVE

- STRONG INDUSTRIAL CASE made to last
- PROFESSIONAL WIRE FEEDING mechanism with 4 rolls of large diameter for a precise and constant wire driving
- DOUBLE GROOVE ROLLS replaceable without any tool
- LODGING FOR WIRE SPOOLS up to Ø 300 mm
- LED LIGHT in the feeder compartment INSPECTION WINDOWS in the spool cover HK1 Hanging Kit (optional)
- LONG INTERCONNECTING CABLE are available for QUBOX equipment in the air cooled version over 50 m





SPECIAL 4 STROKE

It is the special time-saving feature in any welding. Every welder who welds in 4-stroke can quickly prepare the workpiece to be welded by making a perfect weld point without changing any adjustments. By simply pressing the torch trigger for less than a second, you can use the 2-stroke function, even if the welder is set to 4-stroke. Maintaining the same settings, it is sufficient to press the torch trigger for more than a second and the welding equipment works automatically in 4-stroke.

FSC - FAST START CONTROL

It is the innovative arc striking control that reduces drastically the ignition time. By this new technology it is possible to have a quick and perfect ignition at every start. This is ideal for spot-welding and pre-assembly of components.



QUBOX/QUBOX PULSE PREMIUM

QUBOX and QUBOX PULSE models are available in: STANDARD configurations, designed for the most used welding applications, and PREMIUM, equipped with the innovative special welding MIG processes of CEA and ECP.

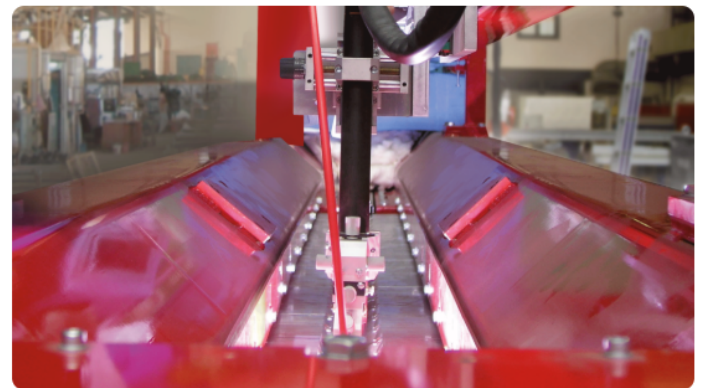
PREMIUM VERSION

vision.COLD – vision.ULTRASPEED – vision.POWER
E.C.P.

Extra curve package

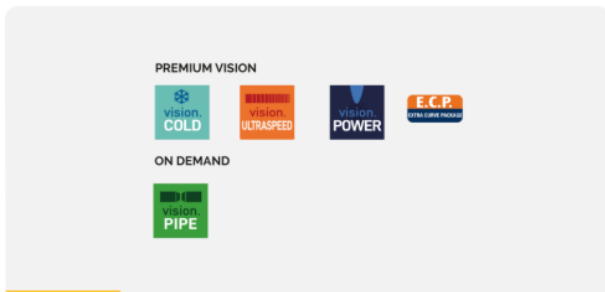
ON DEMAND

vision.PIPE



SIMPLE AUTOMATION

CEA power sources are standard equipped with analogic-digital I/O. This allows to integrate very easily the power source into an automated welding equipment without any expensive and sophisticated external interfaces, usually necessarily supplied for robotics.



Available accessories

DISCOVER ALL AVAILABLE ACCESSORIES



**WIRE FEEDER QF 7 W PRO
DRIVE**
030726



**WK 4 STANDARD WHEELS
KIT**
031116



**WK 2 EXTRA-LARGE
WHEEL KIT**
031007



HK 1 HANGING KIT
031117



WIRE FEEDER YARD 4
030724



WIRE FEEDER YARD 4 W
030729



**INTERCONNECTING
CABLE 1,2 M AIR**
010866



**INTERCONNECTING
CABLE 5 M AIR**
010867



**INTERCONNECTING
CABLE 10 M AIR**
010868



**INTERCONNECTING
CABLE 1,2 M WATER**
010839



**INTERCONNECTING
CABLE 5 M WATER**
010842



**INTERCONNECTING
CABLE 10 M WATER**
010846



CEA TORCH CX 353/4
020466



CEA TORCH CX 451/4
020471



CEA TORCH CXH 302/4
020472



CEA TORCH CXH 402/4
020479



**CEA TORCH CX 353/4
UP/DOWN-17P**
021006



**CEA TORCH CXH 402/4
UP/DOWN-17P**
021007



**CEA DIGITORCH DX
353/4-17P**
021021



**CEA DIGITORCH DXH
402/4-17P**
021022



**PUSH PULL TORCH PP
401 D 8 M 24 V WATER
COOLED**
020488



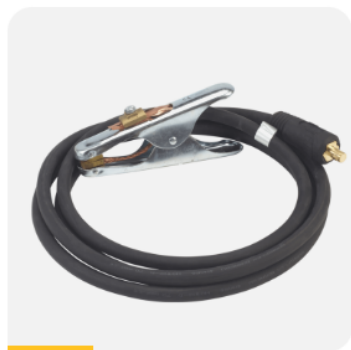
**PUSH PULL
SYNCHRONIZER 24/42V**
031113



CEA TORCH RTX 26.4
020568

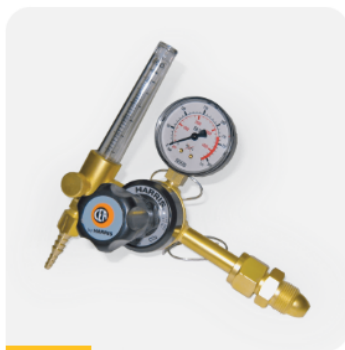


**50 MM² / 4 M GROUND
CABLE WITH CLAMP**
239603



**70 MM² / 4 M GROUND
CABLE WITH CLAMP**

239607



**REDUCER WITH
FLOWMETER AND 1
MANOMETER**

020916



CEA CL-1100

402275A



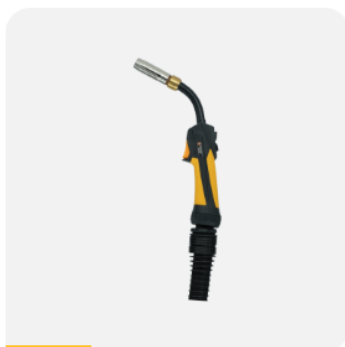
DUST AIR FILTER

353473



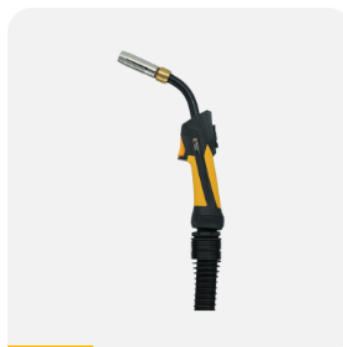
RC 178

236234



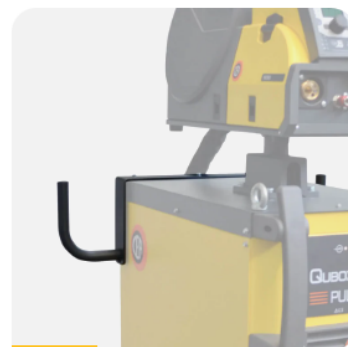
**CEA TORCH CXH 302/4
UP/DOWN-17P**

021005



**CEA DIGITORCH DXH
302/4-17P**

021020



CABLE WINDING KIT

031126

Datasheet

QUBOX / QUBOX PULSE: TECHNICAL FEATURES

TECHNICAL DATA			QUBOX			QUBOX PULSE			
			400	400 W	500 W	335	335 W	405 W	505 W
Three phase input 50/60 Hz	V	+20% -20%	400			400			
Input Power @ I ₂ Max	kVA		22	22,5	29,5	18,5		22,5	29,5
Delayed Fuse (I eff)	A		32		40	20		32	40
Power Factor / cos φ			0,70/0,99		0,75/0,99	0,65/0,99		0,70/0,99	0,75/0,99
Efficiency Degree			0,88		0,89	0,88		0,88	0,89
Open circuit voltage	V		62		62	62		62	62
Current range	A		10-400		10-500	10-330		10-400	10-500
Duty cycle at (40°C)	A 100%		340		420	300		350	420
	A 60%;		400		500	330		400	500
Wires	Ø mm		0,6-1,6		0,6-1,6	0,6-1,6		0,6-1,6	0,6-1,6
Standards			EN 60974-1 • EN 60974-5 • EN 60974-10						
									
Protection Class	IP		23S			23S			
Dimensions (LxWxH)	mm		1030 x 950 x 515			1030 x 950 x 515			
Weight	kg		70	80	86	70	80	80	86



WELDING TOGETHER

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