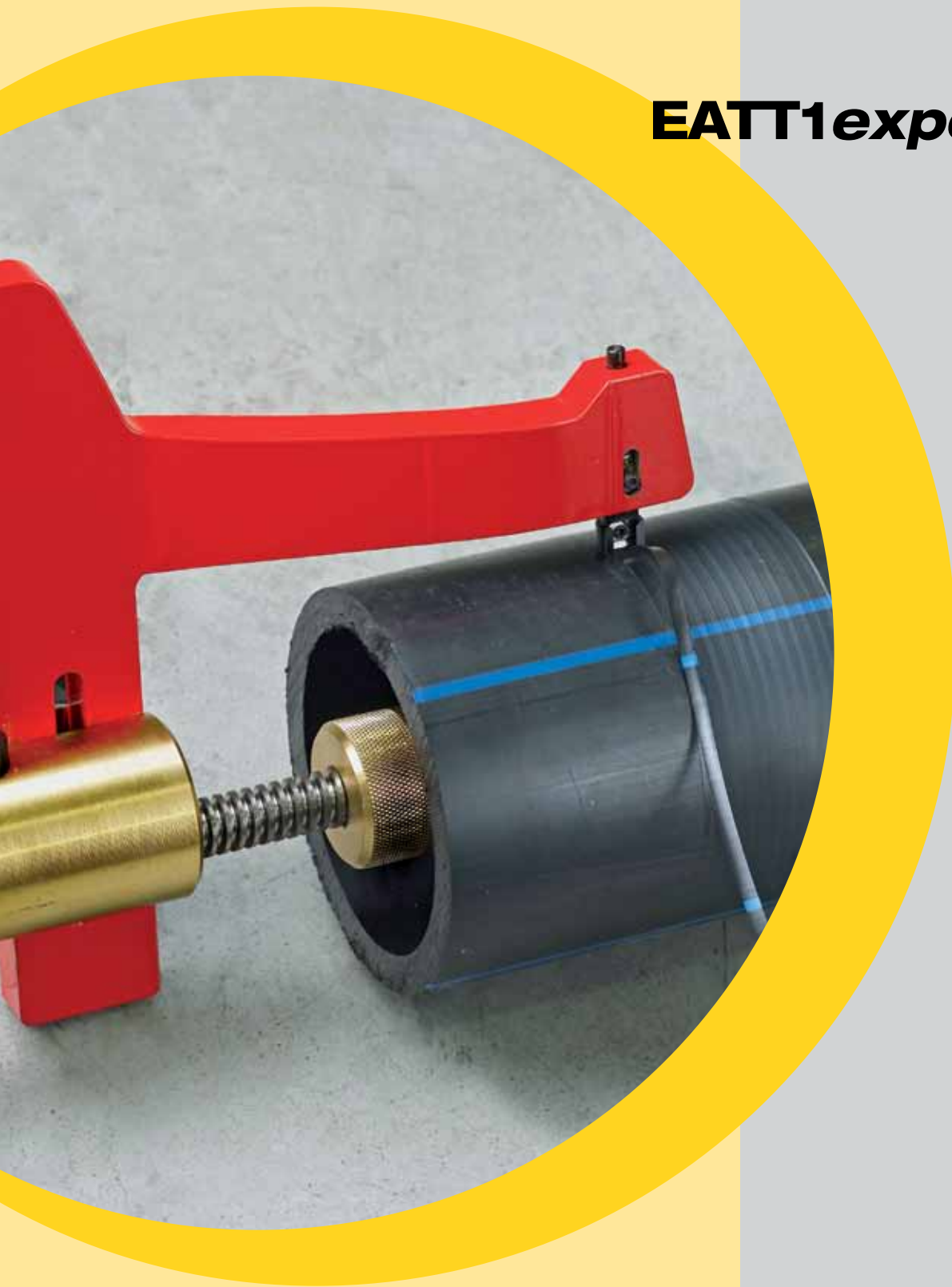


EIOFIT

EATT1export/2011



**Equipment and
Welding Units
Attrezzature e Saldatrici**

nupigeco 

LEGEND

LEGENDA



Code: <i>Codice:</i>	Nupigeco item code <i>Codice articolo Nupigeco</i>
Ø:	Polyethylene pipe external diameter <i>Diametro esterno del tubo in Polietilene</i>
Pack.: <i>Imballo:</i>	Minimum quantity per box <i>Quantità minima della scatola</i>
Q.ty /pallet: <i>Q.tà /pallet:</i>	Quantity per pallet <i>Quantità per bancale</i>
Weight Kg / p.: <i>Peso Kg / p.:</i>	Item weight - Kg <i>Peso in Kg per pezzo</i>
Volume m³ / p.:	Item volume <i>Volume per pezzo</i>
€ / p:	Item price <i>Prezzo per pezzo</i>

EQUIPMENT

ATTREZZATURE



CIRCULAR PIPE CUTTER

TAGLIATUBO CIRCOLARE

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
19SCUT3 (A)	32-40	1	1,0	-
19SCUT (B)	50-125	1	1,7	-
19SCUT2 (C)	75-180	1	2,7	-
SPARE BLADES FOR CIRCULAR PIPE CUTTER LAME DI RICAMBIO PER TAGLIATUBO CIRCOLARE				
19SLRCUT	for/per 19SCUT	1	0,008	-
19SLRCUT2	for/per 19SCUT2	1	0,015	-



GUILLOTINE PIPE CUTTER

The guillotine cutter is designed according to UNI 10566 Standard. The operator performs the welding procedure without any failure due to bad cut. Easy to use, it is designed to be installed inside the trench. The lower part can be opened to cut pipes underground that are still joined together. Supplied with user's handbook.

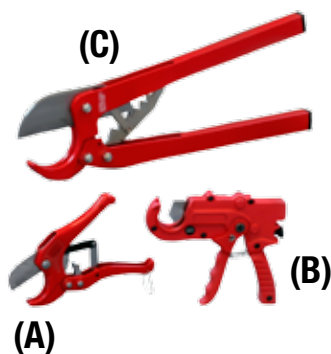
TAGLIATUBO A GHIGLIOTTINA

Il tagliatubo a ghigliottina, costruito secondo le prescrizioni della norma UNI 10566, è lo strumento indispensabile per l'operatore incaricato delle saldature. Permette l'esecuzione delle successive fasi di raschiatura e di saldatura di un tubo tagliato dall'operatore perfettamente in squadra. Maneggevole e robusto è stato progettato perchè possa essere usato anche in trincee strette. La parte sottostante può essere sganciata da un lato per far sì che abbracci anche tubi interrati ed ancora uniti. Fornito con manuale di istruzioni.

Code Codice	Ø	SDR	Pack. Imb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m ³ /p.
00TA1	125	< 11	4	-	7,880	0,0200
00TA2	225	< 11	1	-	19,800	0,0760
00TA3	315	< 11	1	-	61,600	0,3937
SPARE BLADES FOR GUILLOTINE PIPE CUTTER LAME DI RICAMBIO PER TAGLIATUBO A GHIGLIOTTINA						
00TA1LR	for/per 00TA1	-	1	-	0,700	-
00TA2LR	for/per 00TA2	-	1	-	0,700	-
00TA3LR	for/per 00TA3	-	1	-	0,700	-



EQUIPMENT ATTREZZATURE



SHEAR PIPE CUTTER

The shear pipe cutters are defined in the specific Standards as cutting systems with fixed rail blade.

The Italian Standard UNI 10566 imposes to use good cutting devices to avoid bad welds due to bad cuts.

Available in three different shapes up to ranges diameter 32, 40 and 75 mm.

TAGLIATUBO A CESCOIA

I tagliatubi a cesoia sono definiti per norma sistemi di taglio con lama a guida fissa. La norma UNI 10566 impone l'uso di buoni sistemi di taglio per evitare mancanze di saldatura dovuti a tubi tagliati storti.

Disponibile in tre campi di lavoro nei diametri fino al 32, 40 e 75 mm.

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
00TTP (A)	16-32	1	0,4	0,0006
00TT1540 (B)	16-40	1	0,6	-
00TT1675 (C)	16-75	1	2,6	0,0031



HAND SCRAPER

The hand scraper is the most popular tool for the operator in charge of the welding procedure.

It has four rotating blades and an ergonomic handle.

Very easy to use also inside the trench.

RASCHIETTO MANUALE

Il raschietto manuale è lo strumento più semplice che ogni operatore deve avere in cantiere.

Con quattro lame disponibili a rotazione ed una impugnatura ergonomica si usa con molta semplicità anche all'interno degli scavi.

Code Codice	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
00RAM1	10	0,140	0,00486

EQUIPMENT ATTREZZATURE



SCRAPERS

The scraper is the most important tool for the operator in charge of the welding procedure. In fact, scraping the oxidised PE layer away from the external surface of the pipe is extremely important. It can be positioned on pipes or on male butt welding fittings. The scraping depth is about 0,2 mm and the width is larger than the welding area of the maximum diameter.

RASCHIATORI

Il raschiatore è lo strumento principale per l'operatore nella saldatura della materia plastica poiché la rimozione dello strato ossidato sulla superficie del tubo è l'operazione principale che deve obbligatoriamente essere eseguita immediatamente prima della saldatura.

Il raschiatore è telescopico e può essere posizionato sia su tubi che su raccordi a codolo maschio.

La profondità di raschiatura è pari a 0,2 mm e la larghezza è superiore alla zona di saldatura del diametro massimo di applicazione.



TELESCOPIC SCRAPER

RASCHIATORE TELESCOPICO

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00RAT1	32-160	1	4,400	0,0228
00RAT2	180-630	1	11,400	0,0575
SPARE BLADE LAMA DI RICAMBIO				
00RATLR	for/per RAT1/RAT2	10	0,021	0,00003



EQUIPMENT ATTREZZATURE



REVOLVING SCRAPER

RASCHIATORE ORBITALE

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
00RAT1A	75-180	1	4,800	0,0243
00RAT2A	200-400	1	8,400	0,0262
00RAT3A	450-800	1	32,800	0,2091
SPARE BLADE LAMA DI RICAMBIO				
00RATKITRIC	for/per RAT1A/RAT2A/RAT3A	1	0,03	0,0001



(A)



(B)

REVOLVING SCRAPER

RASCHIATORE ORBITALE

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
00RATOR25075 (A)	25-75	1	-	-
00RATOR63200 (B)	63-200	1	-	-

EQUIPMENT ATTREZZATURE



ALIGNERS

The aligners with belts are needful to work correctly with electrofusion fittings.

Manufactured in compliance with UNI 10566 Standard about tooling necessary for the electrofusion process they guarantee to have the same axis, avoid to have pipe weight in the welding area and keep the pipe inside the female fitting during the welding cycle.

The aligners are compact but strong. Ready for coupler, 45° and 90° elbows, tee and reduced tee.

ALLINEATORI

Gli allineatori sono indispensabili per eseguire corrette saldature con raccordi elettrosaldabili.

Costruiti secondo la UNI 10566, che descrive le attrezzature necessarie al procedimento di elettro fusione, sono attrezzi in grado di centrare gli assi dei tubi per evitare spinte meccaniche dentro ai raccordi elettrici, correggere il peso dello sbandieramento provocato dai tubi e tenere bloccati i tubi durante la fase di saldatura.

Un pregio apprezzato dai professionisti è la dimensione compatta e non meno robusta.

Utilizzabile per manicotti, gomiti a 45°, gomiti a 90°, tee e tee ridotti.



ALIGNER WITH BELTS

Available in three different dimensional ranges up to diameter 63, 225 and 315 mm. Every tool has four locking points and a movable joining part to perform all angles.

ALLINEATORE CON CINGHIE

Disponibile in tre versioni nei seguenti diametri massimi: 63, 225 e 315 mm.

Completati di quattro punti di blocco cadauno e di un pezzo folle di giunzione per formare le varie angolazioni.

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00ALL063/4	20-63	1	4,800	0,0168
00ALL225/4	50-225	1	20,800	0,0643
00ALL315/4	225-400	1	87,000	0,3375



ALIGNER WITH METALLIC JAWS

ALLINEATORE CON GANASCE

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00AU020063	20-63	1	3,400	0,0103
00AU063160	63-160	1	14,600	0,0798



EQUIPMENT ATTREZZATURE



PIPE SQUEEZER

Squeeze off technology to stop gas flow as methane or LPG is originally from the UK. It is very popular in Italy too and normally used by the most important gas companies because it is the fastest system to shut off the gas for emergency or maintenance. It is possible to squeeze pipe up to SDR 11 maximum. We suggest to follow the most popular code of practice. Every single item has SDR 11 and 17 SDR pipe stop.

SCHIACCIATUBI

La tecnica dello schiacciamento del tubo per intercettare le reti del gas combustibile, metano o GPL, è di provenienza anglosassone. Viene largamente usato in Italia dalle principale società di distribuzione perché risulta il più valido e veloce strumento in caso di emergenza fughe o manutenzione programmata. Possono essere schiacciati tubi fino allo SDR 11 massimo nei diametri compresi nel campo di lavoro dello strumento. Si consiglia di seguire i codici di pratica più convalidati dall'esperienza. In dotazione vengono fornite le dime di battuta SDR 11 e SDR 17.

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
OOSCH063	20-63	1	6,600	0,0168
OOSCH090	63-90	1	13,200	0,0420
OOSCH180	63-180	1	39,000	0,0647



PIPE SUPPORT

The pipe support locks the pipes and the fittings during the welding procedure and the cooling time period. It reduces the piping movement during the joining operations. It is also suitable for pipes and fittings with medium and big diameter.

TREPIEDE

Il treppiede permette di tenere bloccati tubi e raccordi che devono essere impiegati per le fasi preliminari e di successiva saldatura. Utile in quanto riduce la possibilità di movimentazione delle tubazioni durante l'operazione di giunzione. Utilizzabile anche per tubi e raccordi di medio/grande diametro.

Code Codice	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
OOTR250	90-250	1	16,000	0,1280



FELT PEN

PENNARELLO

Code Codice	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
OOMARK	12	0,028	0,0005

EQUIPMENT ATTREZZATURE



PIPE RE-ROUNDER *RIARROTONDATORE*

Code <i>Codice</i>	Ø	Pack. <i>Imb.</i>	Weight <i>Peso</i> kg./p.	Volume m ³ /p.
00AR500	500	-	-	-
00AR630	630	-	-	-



REDUCERS FOR PIPE RE-ROUNDER *RIDUZIONI PER RIARROTONDATORE*

Code <i>Codice</i>	Ø	Pack. <i>Imb.</i>	Weight <i>Peso</i> kg./p.	Volume m ³ /p.
00ARR250	250	-	-	-
00ARR280	280	-	-	-
00ARR315	315	-	-	-
00ARR355	355	-	-	-
00ARR400	400	-	-	-
00ARR450	450	-	-	-
00ARR500	500	-	-	-
00ARR560	560	-	-	-



EQUIPMENT ATTREZZATURE



DETERGENT FOR PE, PP, PVDF, PB

**LIQUIDO DETERGENTE IN BOTTIGLIA
PER PE, PP, PVDF, PB**

Code Codice	Description Descrizione	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00LID1	1000 ml bottle conf. da 1000 ml	12	1,000	0,0206

(A)

(B)



CLEANING NAPKINS FOR PE

SALVIETTE IMPREGNATE CON DETERGENTE PER PE

Code Codice	Description Descrizione	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00SAL100 (A)	100 piece pack. conf. da 100 pezzi	12	0,225	0,0197
00SAL150 (B)	150 piece pack. conf. da 150 pezzi	4	1,800	0,0351

EQUIPMENT ATTREZZATURE



PIPE DRILLING MACHINE FOR NETWORKS UNDER PRESSURE

Tools for big volume branch saddles ('TL' type).
Ratchet wrench, milling cutters and adapter are available separately.

MACCHINA FORATUBI PER RETI IN PRESSIONE

Attrezzatura da utilizzare con collari di grande volume (tipo 'TL').
Disponibili a parte: chiave a cricchetto, frese e adattatore.

Code Codice	pipe \varnothing \varnothing tubo	outlet \varnothing \varnothing derivazione	Pack. lmb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m ³ /p.
00FP	90÷630	63÷125 - 160mm	1	-	14,000	0,0146



ADAPTER FOR DRILLING MACHINE

ADATTATORE PER MACCHINA FORATUBI

Code Codice	outlet \varnothing \varnothing derivazione	Pack. lmb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m ³ /pcs
00FA063	63	1	-	1,800	-
00FA075	75	1	-	2,500	-
00FA090	90	1	-	3,600	-
00FA110	110	1	-	4,200	-
00FA125	125	1	-	4,600	-
00FA160	160	1	-	5,600	-



EQUIPMENT ATTREZZATURE



EXTENSION SHAFT FOR DRILLING MACHINE *PROLUNGA PER MACCHINA FORATUBI*

Code Codice	Length Lunghezza	Pack. Imb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m³/p.
00FPP250	250 mm	1	-	0,900	-



MILLING CUTTER *FRESE SINGOLE*

Code Codice	outlet ø ø derivazione	drilling hole ø ø perforazione	Pack. Imb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m³/p.
00FF063	63	45	1	-	0,321	0,00015
00FF075	75	56	1	-	-	-
00FF214	2" 1/4	60	1	-	-	-
00FF090	90	69	1	-	-	-
00FF125125	ECOL 125/125	82	1	-	-	-
00FF110	110	84	1	-	-	-
00FF125	125	95	1	-	-	-
00FF160	160	125	1	-	-	-

MILLING CUTTER KIT *KIT DI FRESE*

Code Codice	outlet ø ø derivazione	Pack. Imb.	Q.ty/Q.tà Pallet	Weight Peso kg./p.	Volume m³/p.
00FF	63-75-90-110-125	1	-	-	-

WELDING UNITS *SALDATRICI*




nupigeco 


WIRELESS
CONNECTION

CE

Manufactured by:
NETWORK SpA - Italy -
www.nupigeco.com - info@nupigeco.com

 Manufactured by:
NETWORK SpA - Italy -



WELDING UNITS



The welding unit, manufactured in compliance with UNI 10566 Standard, has been designed for the welding of all electrofusion fittings utilizing the 24 digit barcode system (per ISO 13950). The unit has a peak amperage of 100 amps. The welding unit can be operated in seven different languages (Italian, English, French, Spanish, German, Dutch and Portuguese). There is also a special version for the Russian language. Data can be put in automatically with the barcode scanner or manually by entering welding data (time and voltage) related to the fitting in use. During the welding cycle, the large backlit display shows the heating time, power consumption, voltage and energy used. The welding unit has the capacity to store the parameters of 300 welding cycles and to communicate with a PC, a printer or DLU by means of wireless Bluetooth technology.

THE INTERNAL SOFTWARE, DEVELOPED ESPECIALLY FOR THIS WELDING UNIT, ENABLES THE USER TO:

- DOWNLOAD WELDING REPORTS (to PC or to printer)
- RECORD THE TRACEABILITY OF THE FITTING
- FIND THE GPS COORDINATES OF THE FITTING
- TEST THE PRESSURISED FLUID DISTRIBUTION NETWORKS

Welding range: 1/2" CTS – 24" IPS (ø20mm - ø630 mm)

BASIC EQUIPMENT SUPPLIED WITH THE WELDING UNIT:

- User's handbook (CD and quick guide on paper)
- Software CD
- Shipping box
- Barcode scanner for barcode input
- Adapters with 4.7 mm pins

ADDITIONAL EQUIPMENT AND SPARE PARTS:

- **00EDP900:** Software CD and Bluetooth pen drive for reports, traceability, GPS coordinates and pressure test)
- **00BTPRINT:** Bluetooth printer
- **00DLU:** External downloading unit
- **00GPS:** Global Positioning System
- **00SENSxxx:** Pressure test unit
- **00BCSCAN:** Barcode scanner

TECHNICAL CHARACTERISTICS:

Conforms with CE requirements. Conforms with UNI 10566 – MULTIFUNCTION type
Barcode reader conforming with ISO 13950 and manual setting of time and voltage
Illuminated display with 4 lines, 20 characters each
Memory for 300 welding cycles
8 Memories of 500 parameters each for pressure tests
Fittings working range up to 100 Amp maximum peak
Ambient temperature sensor
Power supply: 230V / 115V / 48V E 50Hz/60Hz
Maximum power: 2500 VA
Output voltage: from 5 to 42 V
Power cable: L= 12 feet (3,8 m)
Welding cable: L=9 feet (3 m)
Connectors - 4 mm (art. 00S8305) with adaptors for 4.7mm (00S8203)
Dimensions: 12,2x8,26x17,72 in (0,31x0,21x0,45 m)
Weight: 230V 55,5 lb (25,2 kg) – 48V 29,1 lb (13,2 kg)
Degree of protection: IP 54
Working temperature: from 0 to 131 F (-18° to + 55°C)



AUTOMATIC MULTIFUNCTION WELDING UNIT WITH BARCODE SCANNER AND INTEGRATED BLUETOOTH SYSTEM

Code Codice	Voltage Voltaggio	Ø	Pack. Imb.	Weight Peso kg./p.	Volume m³/p.
00E9001	230V	20-630	1	26,000	0,0575
00E9001/48	48V	20-630	1	13,200	0,0600



WELDING UNITS SALDATRICI



SOFTWARE CD AND BLUETOOTH USB DRIVE TO DOWNLOAD DATA

SOFTWARE SCARICO DATI E CHIAVETTA BLUETOOTH

Code Codice	Description Descrizione	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00EDP900	software CD and Bluetooth USB drive CD software + chiavetta USB	1	0,196	0,0020



EXTERNAL DOWNLOADING UNIT

External unit using the Bluetooth technology.
By the connection with a USB cable to a PC it is possible to download the data in an Excel file.

UNITÀ ESTERNA PER SCARICO DATI

Unità esterna che utilizza la tecnologia Bluetooth.
Tramite collegamento con cavo USB al PC effettua lo scarico dati in un file Excel.

Code Codice	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00DLU	1	0,367	0,0020

WELDING UNITS SALDATRICI



BLUETOOTH PRINTER

Small portable printer to print out the welding report after the welding.

STAMPANTE BLUETOOTH

Piccola stampante facilmente trasportabile per stampare i rapporti di saldatura subito dopo averli effettuati.

Code Codice	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00BTPRINT	1	0,367	0,7500



GLOBAL POSITIONING SYSTEM (GPS)

When utilizing the global positioning system (00GPS), the welding unit records the geographical coordinates of the welded fittings, enabling the traceability of the fitting years after their installation.

SISTEMA DI RILEVAMENTO SATELLITARE DELLA POSIZIONE

Acquistando il sistema di rilevamento delle coordinate GPS (00GPS) la saldatrice memorizza le coordinate geografiche del raccordo saldato dando la possibilità di rintracciare anche dopo anni il suo posizionamento.

Code Codice	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00GPS	1	0,355	0,0018



WELDING UNITS SALDATRICI



OPTICAL PEN

Barcode reading system

PENNA OTTICA

Sistema di lettura codice a barre

Code Codice	Description Descrizione	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00PENOTTE9001	for welding unit 00E9001 per saldatrice 00E9001	1	0,450	0,0024
00PENOTT	for welding unit 00E8120 per saldatrice 00E8120	1	0,450	0,0024



BARCODE SCANNER

Barcode reading system

LETTORE BARCODE SCANNER

Sistema di lettura codice a barre

Code Codice	Pack. Imb.	Weight Peso kg./p	Volume m ³ /p.
00BCSCAN	1	0,200	0,0007

WELDING UNITS

SALDATRICI



PRESSURE SENSOR

Thanks to the pressure test unit the welding unit can carry out the inspection of the pressurized distribution network (water and gas connections before and after the meter, fire-prevention networks made of any kind of plastic or metal material).
With the help of the software (00EDP900) the test results are shown on the PC.
The welding unit has 8 memories dedicated to the data of the pressure tests.

UNITÀ PER COLLAUDO RETI IN PRESSIONE

Grazie all'unità per il collaudo reti in pressione è possibile effettuare il collaudo delle reti di distribuzione di fluidi in pressione (allacci di acqua o gas prima o dopo il contatore, anelli antincendio costruiti con qualsiasi materiale plastico o metallico).
I dati ricavati vengono visualizzati su PC grazie al software (00EDP900) usufruendo di una delle 8 memorie dedicate ai dati prove in pressione.

Code Codice	Bar	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00SENS200	from/da 1 a/to 200 mbar	1	2,800	0,0213
00SENS010	from/da 1 a/to 10 bars	1	2,800	0,0213
00SENS050	from/da 1 a/to 50 bars	1	2,800	0,0213



WELDING UNITS

The welding unit has been designed for the welding of all electrofusion fittings.

The welding unit can be operated in seven different languages (Italian, English, French, Spanish, German, Dutch and Portuguese).

Data can be put in manually by entering welding data (time and voltage).

During the welding cycle, the large backlit display shows the heating time, power consumption, voltage and energy used.

BASIC EQUIPMENT SUPPLIED WITH THE WELDING UNIT:

- User's handbook (CD and quick guide on paper)
- Shipping box
- Adapters with 4,7 mm pins

TECHNICAL CHARACTERISTICS :

Conforms with CEE 89/392 requirements

Welding range: \varnothing 20 ÷ 315 mm

Manual welding data enter

Illuminated display with 4 lines, 20 characters each

Ambient temperature sensor

Power supply: 230V / 115V / 48V E 50Hz/60Hz

Maximum power: 2000 VA

Output voltage: from 5 to 42 V

Power cable: L= 3,8 m (12 feet)

Welding cable: L= 3 m (9 feet)

Connectors - 4 mm (art. 00S8305) with adaptors for 4,7mm (00S8203)

Dimensions: 345x190x500 mm (13,6" x 7,5" x 19,7")

Weight: 20 kg (44,1 lb) 230V

Degree of protection: IP 54

Working temperature: from -18° to +55°C (0 to 131 F)



MANUAL WELDING UNIT FOR ELECTROFUSION FITTINGS

Code Codice	Voltage Vtaggio	\varnothing	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00E8500	230V	20-315	1	20,000	0,0327



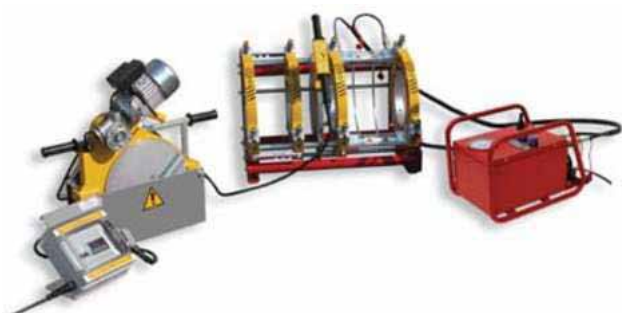
4,7 mm PAIR OF ADAPTERS

COPPIA DI ADATTATORI DA 4,7 mm

Code Codice	\varnothing	Pack. Imb.	Weight Peso kg./p.	Volume m ³ /p.
00S8203	4 mm M x 4.7 mm F	1	0,044	0,0001

WELDING UNITS

SALDATRICI



BUTT WELDING MACHINE FOR PIPES AND FITTINGS IN THERMOPLASTIC MATERIAL

Welding capacity:
 from Ø 40 mm. to Ø 160 mm
 from Ø 90 mm to Ø 250 mm
 from Ø 90 mm to Ø 315 mm
 Maximum pressure: 150 bar

The butt welding machine consists of the following: basic machine, heating element, hydraulic unit, electric planing tool, pair of flexible hydraulic pipes, steel box for heating element and electric planing tool with reductions.

SALDATRICE TESTA-TESTA PER TUBI E RACCORDI IN MATERIALE TERMOPLASTICO

Capacità di saldatura:
 da Ø 40 mm a Ø 160 mm
 da Ø 90 mm a Ø 250 mm
 da Ø 90 mm a Ø 315 mm

Pressione massima: 150 bar

La saldatrice testa-testa è composta da: macchina base, termoelemento, centralina oleoidraulica, box termostato elettronico, piastra elettrica, coppia tubi flessibili idraulici, custodia in acciaio per termoelemento e piastra elettrica con riduzioni.

Code Codice	00S10160	00S10250	00S10315
Diameters Diametri	Ø 40-160	Ø 90-250	Ø 90-315
Total dimensions of complete machine with reductions Dimensioni totali della macchina con riduzioni	no. 1 shipping box / scatola di trasporto 120x80x74 cm	no. 1 shipping box / cassa di trasporto 120x80x74 cm	no. 1 shipping box / cassa di trasporto 120x80x85 cm
Total weight of complete machine with reductions Peso totale della macchina completa di riduzioni	115,2 Kg	166,5 Kg	208,7 Kg
Maximum Absorbed Power Massima Potenza Assorbita	2,55 kW - 230 Volt - 50/60 Hz	3,05 kW - 230 Volt - 50/60 Hz	3,80 kW - 230 Volt - 50/60 Hz

WELDING UNITS

SALDATRICI



BASIC MACHINE

With four main jaws arranged on a slanting frame; sliding hardened chromate guides; third adjustable jaw; quick hydraulic antidrop release couplings; automatic breakaway of thermoplate.

MACCHINA BASE

Completa di quattro ganasce principali alloggiate su di un telaio inclinato; guide di scorrimento temperate e cromate; terza ganasca regolabile; attacchi ad innesto rapido antigoccia.

	Ø 40-160	Ø 90-250	Ø 90-315
Dimensions <i>Dimensioni</i>	730x410x420 mm	830x520x520 mm	830x565x565 mm
Weight <i>Peso</i>	39 Kg	56 Kg	65 Kg
Carriage stroke <i>Corsa carrello</i>	163 mm	163 mm	163 mm
Welding capacity <i>Capacità di saldatura</i>	40-160 mm	90-250 mm	90-315 mm
Total thrust section <i>Sezione di spinta totale</i>	353 mm ²	510 mm ²	510 mm ²
Pipe and/or fitting material <i>Materiale del tubo e/o del raccordo</i>	PP-PE and other materials		



THERMOELEMENT

PTFE covered with remote electronic adjustment of temperature, feeding cable with connector to the thermostat box.

TERMoeLEMENTO

Rivestito in PTFE con regolazione elettronica della temperatura a distanza, cavo di alimentazione con connettore per il collegamento al box termostato.

	Ø 40-160	Ø 90-250	Ø 90-315
Voltage <i>Tensione di alimentazione</i>	230 Volt - 50/60 Hz		
Dimensions <i>Dimensioni</i>	470x400x50 mm	500x430x50 mm	500x455x50 mm
Electric power <i>Potenza elettrica</i>	1 kW	1,5 kW	2,5 kW
Electronic adjustment of temperature <i>Regolazione elettronica</i>	50°C - 300°C	50°C - 300°C	50°C - 300°C
Weight <i>Peso</i>	5 Kg	8 Kg	10 Kg
Welding capacity <i>Capacità di saldatura</i>	≥160 mm	≥250 mm	≥315 mm

WELDING UNITS

SALDATRICI



TECHNICAL INFORMATION / INFORMAZIONI TECNICHE



HYDRAULIC UNIT

Complete with delicate manometer - Class 1.0 (0 ÷ 160 bar - Ø 100 mm); throttle valve and drive cylinders joystick; quick hydraulic antidrop release couplings.

CENTRALINA OLEOIDRAULICA

Completa di manometro - Classe 1.0 (0 ÷ 160 bar - Ø 100 mm); valvola a farfalla e joystick di comando dei cilindri; attacchi idraulici ad innesto rapido antigoccia.

Type of oil <i>Tipo di olio</i>	ISO 68 - 1,5 l
Manometer <i>Manometro</i>	class 1.0 - dimensions 100 mm - scale 0-160 bar
Electric motor power <i>Potenza motore elettrico</i>	0,75 kW
Voltage <i>Tensione di alimentazione</i>	230 Volt - 50/60 Hz
Dimensions <i>Dimensioni</i>	280 x 430 x 310 mm
Pump features <i>Caratteristiche della pompa</i>	displacement 1,2 cm ³ flow 1,58 l/min; no. of rounds 1400 r/min
Operating pressure <i>Pressione di esercizio</i>	150 bar
Weight <i>Peso</i>	25 Kg



ELECTRIC PLANING TOOL

Equipped with positioner and microswitch of safety to avoid dangerous and sudden ignitions. Double-edged blades, reversible.

PIALLA ELETTRICA

Dotata di posizionatore e microinterruttore di sicurezza per evitare pericolose ed improvvise accensioni.

	Ø 40-160	Ø 90-250	Ø 90-315
Electric motor power <i>Potenza motore elettrico</i>	0,8 kW	0,8 kW	0,55 kW
Electric motor power <i>Tensione di alimentazione</i>	230 Volt - 50/60 Hz		
Drive <i>Trasmissione</i>	Catena/Chain		
Dimensions <i>Dimensioni</i>	380 x 250 x 60 mm	500 x 430 x 250 mm	545 x 510 x 270 mm
Weight <i>Peso</i>	8 Kg	14,2 Kg	26 kg



WELDING UNITS

SALDATRICI

TECHNICAL INFORMATION / INFORMAZIONI TECNICHE



PAIR OF FLEXIBLE HYDRAULIC PIPES

With quick release antidrop couplings

COPPIA DI TUBI FLESSIBILI IDRAULICI

Con attacchi ad innesto rapido antigoccia

Length <i>Lunghezza</i>	4 m
Weight <i>Peso</i>	1,5 Kg

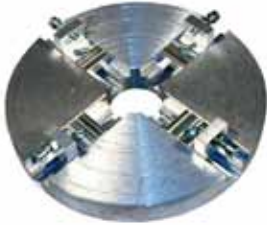


STEEL BOX FOR THERMOELEMENT AND PLANING TOOL

CUSTODIA IN ACCIAIO PER TERMOELEMENTO E PIALLA ELETTRICA

	Ø 40-160	Ø 90-250	Ø 90-315
Dimensions <i>Dimensioni</i>	540 x 230 x 300 mm	640 x 390 x 260 mm	700 x 420 x 260 mm
Weight <i>Peso</i>	7,5 Kg	9 Kg	11 kg

WELDING UNITS SALDATRICI



TOOL FOR FLANGE WELDING

ATTREZZO PER SALDARE LE CARTELLE

	Ø 40-160	Ø 90-250	Ø 90-315
Code Codice	00S10160SCRT	00S10250SCRT	00S10315SCRT
Diameters Diametri	Ø 215 mm	Ø 318 mm	Ø 385 mm
Total weight Peso totale	3,5 kg	7,5 Kg	10,5 kg



LEVEL AND BEVELED REDUCTIONS KIT

KIT RIDUZIONI PIANE E SMUSSATE

	Ø 40-160	Ø 90-250	Ø 90-315
Code Codice	00S10160KIT	00S10250KIT	00S10315KIT
Diametri Diameters	Ø 40, 50, 63, 75, 90, 110, 125 and 140 mm	Ø 90, 110, 125, 140, 160, 180, 200 and 225 mm	Ø 90, 110, 125, 140, 160, 180, 200, 225, 250 and 280 mm
Total Weight Peso totale	21 kg	44,6 Kg	62 kg



WELDING UNITS

SALDATRICI



LEVEL AND BEVELED REDUCTIONS

RIDUZIONI PIANE SMUSSATE

For welding unit Mod. Per saldatrice Mod.	00S10160KIT Ø 40-160		00S10250KIT Ø 90-250		00S10315KIT Ø 90-315	
	Code Codice	Diametri Diameters	Code Codice	Diametri Diameters	Code Codice	Diametri Diameters
	00S10R160040	160/40	00S10R250063	250/63	00S10R250090	250/90
	00S10R160050	160/50	00S10R250075	250/75	00S10R250110	250/110
	00S10R160063	160/63	00S10R250090	250/90	00S10R250125	250/125
	00S10R160075	160/75	00S10R250110	250/110	00S10R250140	250/140
	00S10R160090	160/90	00S10R250125	250/125	00S10R250160	250/160
	00S10R160110	160/110	00S10R250140	250/140	00S10R250180	250/160
	00S10R160125	160/125	00S10R250160	250/160	00S10R250200	250/200
	00S10R160140	160/140	00S10R250180	250/160	00S10R250225	250/225
			00S10R250200	250/200	00S10R315250	315/250
			00S10R250225	250/225	00S10R315250S	315/250 smussata/blunt
					00S10R315280	315/280

WELDING UNITS



The operating software of ELOFIT elettrofusione welding units informs the installer of the need to review the welding unit every two years, as required by the Consolidated Decree. 81/08 and UNI 10566 Standard.

To manage the process of acceptance, biennial overhaul and shipment of the welding unit and the certificate to the client, we invite our customers to follow the following steps to avoid unnecessary setbacks.

According to Standard UNI 10566 and Consolidated Decree Law 81/08

SEND THE WELDING UNIT TO NUPIGECO PLANT IN BUSTO ARSIZIO - ZI SUD-OVEST - LOC. SACCONAGO (VA) ACCOMPANIED BY A TRANSPORT DOCUMENT ON WHICH THE WORD OVERHAUL MUST BE MARKED.

Please note that **THE OVERHAUL DOES NOT INCLUDE REPAIRS**, but only the functioning control of all parts of the welding unit according to UNI 10566.

Further repairs will be performed AUTOMATICALLY within an expenditure of € 100,00 beyond that amount Nupigeco will communicate to the customer the cost estimate for acceptance.

The welder will be returned separately from the certificate of periodic overhaul.

The shipping and return costs are paid by the customer.

The net cost (no discounts) of the overhaul is:

MONOVALENT WELDING UNITS € 130,00

MULTI-FUNCTION WELDING UNITS € 240,00



POLYETHYLENE LAWS, REGULATIONS, RECOMMENDATIONS



POLYETHYLENE for GAS combustible in a gaseous state at a temperature of 15° C

LAW December 6, 1971, No.1083 Standards for Safety of combustible gas. Materials produced according to the rules of good practice UNI-CIG.

Ministerial Decree 24 November 1984 Fire Safety Standards for the transportation, distribution, storage and use of natural gas with a density greater than 0.8.

Further amendments:

Ministerial Decree February 12, 1989, introducing ISO 4437;

Ministerial Decree May 22, 1989, repealing the third subparagraph of par. 3.1.6;

Ministerial Decree November 11, 1989, about pipes extruded with properly stabilized polyethylene - not just black;

Ministerial Decree December 21, 1991, about tanker trucks, loading and unloading; MM.II. June 3, 1995, about riser above ground pre adequately protected;

Ministerial Decree November 16, 1999 operating pressure at 5 bars, no limits to diameters, no hydraulic tests, minimum MRS8 MPA, EN 1555 as standard reference.

DPR Changes to Decree of the President of the Italian Republic August 26, 1993 No. 412 - completed by DPR 551/99 Regulations providing rules for the design, installation, operation and maintenance of heating installations in buildings for the purpose of energy consumption control, in implementation of article 4 subparagraph 4 of Law January 9, 1991, No. 10.

Presidential Decree No. 392 April 18, 1994 Regulations on the procedure for recognition of companies regarding installation, expansion and transformation of plants to meet safety standards.

Ministerial Decree April 12, 1996 Approval of the technical rule of fire prevention for the design, construction and operation of thermal plants fueled with gaseous fuels.

Presidential Decree No. 218 13 May, 1998 Regulations providing the rules for the safety of plants fueled with combustible gas for domestic use.

IIP RECOMMENDATION No. 7 Installation of polyethylene pipelines.

UNI 7129 Installations fueled with gas for domestic use powered by distribution network. Design, installation and maintenance.

UNI 9034 Gas distribution pipelines with maximum operating pressures <= 5 bars. Materials and jointing systems.

UNI 9165 + further additions #2 Gas distribution networks with maximum operating pressures <= 5 bars. Design, construction and testing.

UNI 9736 Jointing of polyethylene pipes and fittings in combination with each other and mixed metal and polyethylene joints for gas pipelines underground. Types, requirements and testing.

UNI 9860 + further additions #2 Plants for gas outlets to users. Design, construction and testing.

UNI EN 1775 Transport and distribution of gas. Gas pipelines in buildings. Maximum operating pressure <= 5 bar. Functional recommendations.

UNI EN 10208 Part 1 Steel pipes for pipelines for combustible fluids. Technical conditions of supply. Pipes of requirement class A.

UNI 10738 Plants fueled with combustible gas for domestic use existing prior to March 13, 1990.

UNI EN 1555 Parts 1,2,3,4,5, TS 7 Plastic piping system for the distribution of combustible gas - Polyethylene Part 1 General Introduction, Part 2 Pipes, Part 3 Fittings, Part 4 Valves, Part 5 System eligibility for use, Part 7 - Technical Specifications - Guidelines for conformity assessment.



POLYETHYLENE for WATER for human and industrial consumption

Ministerial Decree December 12, 1985 Technical standards for the design, construction and testing of piping (Law No. 64 dated February 2, 1974).

RECOMMENDATION Installing PE aqueducts

UNI EN 10224 Pipes and fittings of non-alloy steel for the transport of aqueous liquids including water for human consumption - Technical conditions of supply.

UNI 10779 Fire extinguishing systems. Water networks, design, installation and operation.

UNI EN 12201 - national introduction - Plastic piping systems for water supply. Polyethylene: Part 1 General Introduction - Part 2 Pipes - Part 3 Pipes - Part 4 Valves - Part 5 System eligibility for use - Part 7 - Technical Specifications - Guidelines for conformity assessment.

UNI EN 13244 Parts 1,2,3,5 Plastic piping systems under pressure underground and above ground for water conveyance for general purposes and for sewage systems. Polyethylene Part 1 General Introduction, Part 2 Pipes, Part 3 Fittings, Part 5 System eligibility for use.

Ministerial Decree No. 174 September 24, 2008. Regulations concerning materials and objects that can be used in static systems for collection, treatment, supply and distribution of water intended for civilian consumption.



UNI RULES AND APPLICABLE LAWS FOR THE CONSTRUCTION OF WATER AND GAS PIPELINES

UNI EN 1057 Copper and copper alloys - Seamless round copper pipes for water and gas in sanitary and heating systems.

UNI EN 1254 - 1 Copper and copper alloys - Plumbing fittings - Fittings for copper pipes with ends for welding or capillary brazing.

UNI 9737 - 2nd edition Classification and qualification of welders for plastics. Welders with heating elements for contact with mechanical and electro fusion equipment for polyethylene pipes and fittings for the conveyance of combustible gases, water and other fluids under pressure.

UNI 10520 + further additions #1 Welding through contact with heating elements. Butt welding of pipes and/or polyethylene fittings for the carriage of flammable gases, water and other fluids.

UNI 10521 Electro fusion welding. Welding of polyethylene pipes and/or fittings for the transport of combustible gases, water and other fluids under pressure.

UNI 10565 Welding units for construction sites with heating elements for contact used to carry put butt welding jointing of polyethylene (PE) pipes and/or fittings for the transport of combustible gases, water and other fluids under pressure. Characteristics and requirements, testing, maintenance and literature.

UNI 10566 Electro fusion welding units and auxiliary equipment to carry out jointing of polyethylene (PE) pipes and/or fittings by electro fusion fittings for the transport of combustible gases, water and other fluids under pressure. Characteristics and requirements, testing, maintenance and literature.

UNI 10761 Coordination of welding, laying and testing operations of polyethylene networks for the conveyance of combustible gases, water and other fluids under pressure. Duties and responsibilities, requirements for training, qualification and certification of personnel.

Law No. 46 March 5, 1990 Standards for the safety of installations.

Legislative Decree No. 494 August 14, 1996 Implementation of Directive 92/57/EEC concerning the minimum safety and health requirements at temporary and mobile construction sites - art.8 **COMPULSORY BIENNIAL REVIEW FOR CONSTRUCTION SITE EQUIPMENT ACCORDING TO DL 626-494 AND UNI 10565 AND 10566.**



GENERAL SALES CONDITIONS

art. 1 – Definitions

The following definitions will apply throughout this document.
"Buyer" shall mean any person, company, corporation, entity that at any time submits an order for the Products to the Seller.
"C.C." shall mean the Italian Civil Code.
"Products" shall mean any product manufactured and/or sold by the Seller.
"Seller" shall mean "NUPIGECO S.p.A.", a company with offices in Zona Industriale Sud-Ovest, via Stefano Ferrario, 21052 Sacconago di Busto Arsizio (VA), Italy.

art. 2 – Applicability

These General Sales Conditions enter into force upon their signature by the Seller and the Buyer, and shall remain in full force and effect until they are expressly amended, terminated or substituted by a written document signed by the Seller's and the Buyer's duly appointed representatives.
These General Sales Conditions shall govern each and every order issued by the Buyer for the Products.

art. 3 – Orders

Each order for the Products issued by the Buyer constitutes an irrevocable offer, according to art. 1329 c.c., for a period of thirty (30) days from its receipt by the Seller, but the relative contract is formed only at the moment when the Seller expressly accepts in writing the Buyer's offer, according to arts. 1326 and 1352 c.c.. Once an order has been accepted by the Seller, any amendment and/or addition to the order shall be null and void, unless they result from a written document signed by the Seller's and the Buyer's duly appointed representatives.
Even after accepting an order, the Seller shall have the right to withdraw, in whole or in part, from the relative contract according to art. 1373 c.c. until the Products have been delivered to the Buyer: the foregoing without any liability towards the Buyer and with no consideration whatsoever due to the Buyer for such withdrawal right and/or for its possible exercise.

art. 4 – Prices

The Products' prices shall be as per the applicable price list at the moment when the Buyer's order is accepted as per art. 3. Unless otherwise specified, all prices are "ex works" as well as net of VAT and of any other applicable Sales Tax.

art. 5 – Delivery of the Products

All delivery dates indicated in the orders are indicative and not mandatory. Unless otherwise agreed by the Seller and the Buyer in writing, the Products shall be delivered "ex works" (incoterms 2000).
In any case, according to art. 1510 c.c., the Seller discharges its duty to deliver the Products by handing them over to the carrier and/or to the forwarding agent: all transportation costs and risks, none excluded, shall be consequently borne in any case by the Buyer, regardless of the delivery conditions agreed by the Seller and the Buyer, and even if the "free port" clause were agreed.
If the Buyer does not claim the Products at the agreed place and time, after fifteen (15) days from the date on which delivery of the Products has been offered to the Buyer, or on which the Products have anyway become available to the Buyer, the Seller shall have the right to dispose of the same Products, without prejudice to any other right the Seller may have towards the Buyer, including without limitation the Seller's right to compensation for any damage. In any case, all costs and expenses due to the Buyer's failure to claim the Products shall be at the Buyer's exclusive charge.

art. 6 – Reservation of ownership

The Seller shall retain the ownership of any Product sold to the Buyer until the Buyer has paid in full the relevant price: the foregoing notwithstanding, any cost and risk relating to the Products shall pass onto the Buyer in accordance with the principles set out in art. 5.
On request of the Seller, the Buyer shall execute all documents / agreements / deeds necessary in order to enforce the Seller's reservation of ownership against any creditor of the Buyer's.

art. 7 – Claims and defects

In order not to forfeit its rights, the Buyer shall communicate any claim and/or complaint regarding the Products directly to the Seller, by registered letter with return receipt to be sent within eight (8) days from the date on which delivery of the Products has been offered to the Buyer, or on which the Products have anyway become available to the Buyer. In case a claim and/or a complaint of the Buyer were accepted by the Seller, the Seller shall only substitute the defective / damaged / non compliant Products with identical Products, and by doing so the Seller shall not have any other responsibility towards the Buyer: the Buyer expressly and irrevocably waives since now any and all claims and objections in this regard.

art. 8 – Limitations to the Buyer's right to raise claims and objections

According to art. 1462 c.c., until the Buyer has fully paid all amounts due to the Seller, the Buyer shall not have the right to raise any claim and/or objection in order to avoid or delay payment; in particular, but without limitation, the Buyer shall not have the right to raise the objections provided for in arts. 1460 and 1461 c.c., or any objection arising from whatever claims and/or counterclaims of the Buyer towards the Seller.

art. 9 – Payment

Unless otherwise agreed in writing, all payments shall be made at the Seller's business address. Any payment made to unauthorized persons and/or by unauthorized means shall be deemed as null and void and shall not discharge the Buyer of its payment obligations.
For any delay in the execution of any payment, the Buyer shall pay default interest from the date when payment is due to date of actual payment at a rate per annum equivalent to the 6-month Euribor at the relevant time plus two percent (2%), as well as all expenses borne by the Seller for the recovery of its credit: the foregoing without prejudice to the Seller's right to compensation for additional damages.
Moreover, in case the Buyer should not comply with even only one of the agreed payment deadlines, the Buyer shall incur in the loss of the benefit of the time limit; in this case, the Seller shall have the right (i) to suspend without notice all the deliveries of the Products and thus the execution of all the orders of Products, according to art. 1460 c.c., until the Buyer has fully paid all of the amounts due to the Seller in relation to the Products, and (ii) to terminate the contract by operation of the law according to art. 1456 c.c.: all the foregoing, in any case, without prejudice to any other right the Seller may have towards the Buyer, including without limitation the Seller's right to compensation for any damage.

art. 10 – Applicable law

Each order issued by the Buyer as well as the relative contracts between the Seller and the Buyer shall be governed by the Italian law, with the express exclusion of its provisions on the conflict of laws (norme sulla legge applicabile).

art. 11 – Exclusive jurisdiction

The courts of Milan shall be the only and exclusive courts having jurisdiction for any and all disputes that may howsoever arise out of these General Sales Conditions and/or out of the orders issued by the Buyer, with the express exclusion of any alternative venue.

for the Seller:



Busto Arsizio,

for the Buyer:

(place and date)

(stamp and signature)

After careful examination, the following clauses are hereby specifically approved in writing, according to arts. 1341 and 1342 of the Italian Civil Code: 2, 3, 4, 5, 6, 7, 8, 9, 11. for the Seller:



Busto Arsizio,

for the Buyer:

(place and date)

(stamp and signature)



SALES CONDITIONS / CONDIZIONI DI VENDITA

Electrofusion fittings/Raccordi elettrosaldabili:

Butt welding fittings/Raccordi a codolo:

Segmented fittings/Raccordi a settore:

Sweep bends/Curve senza saldatura:

Transition fittings/Raccordi di transizione:

PE/BRASS-PE/OTTONE: PE/STEEL-PE/ACCIAIO: PE/CAST IRON-PE/GHISA: PE/COPPER-PE/RAME:

Valves/Valvole:

Flanges/Flange:

Tapping tees/Collari di presa in carico:

Flow stop fittings/Flow stop:

Welding units-Tooling/Saldatrici-Attrezzature:

€/⚒:

NOTE: The discount range of the codes highlighted in yellow (tools, spare parts or equipment) is different from the one used for the other articles in the price list.

NOTA: I codici evidenziati in giallo (accessori, ricambi o attrezzature) vengono venduti con una scontistica diversa dagli altri articoli presenti a listino.



RECOMMENDATIONS FOR WASTE DISPOSAL

Metal and plastic material must be disposed of by authorized companies only. Dispose of responsibly.

RACCOMANDAZIONI PER LO SMALTIMENTO

I materiali metallo-plastici vanno smaltiti attraverso ditte autorizzate. Non disperdere questo materiale nell'ambiente.

nupigeco

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