



BUFFALO DC

*ARC, TIG welding
and gouging.*

BUFFALO centre of all your welding applications

- *MIG process*
- *TIG process*
- *MMA process (coated electrode)*
- *Gouging*
- *Automatic applications TIG/Plasma*



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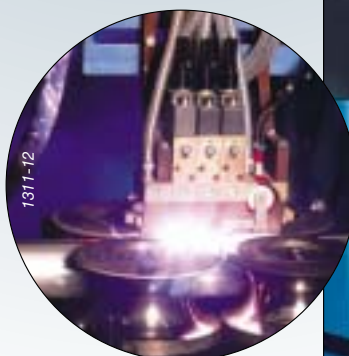
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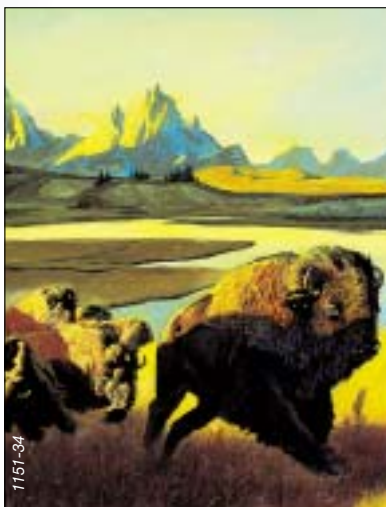


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BUFFALO DC : power, ruggedness and compactness

BUFFALO DC

SAF's BUFFALO 400 DC, 500 DC and 650 DC can withstand the most difficult working conditions (tropical climate, high relative humidity, etc). Combining power with safety, the BUFFALO 400 DC, 500 DC and 650 DC can cope with all arc and TIG welding and gouging applications, even when you have to use long welding cables (outdoor work, on site, pipeline laying and shipbuilding, etc). Using "thyristor" technology, all welding parameters are held constant with mains supply maintained within tolerance limits of $\pm 15\%$.



For welding in the wide open spaces



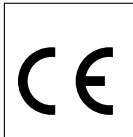
Gouging :

the BUFFALO 400 DC, 500 DC and 650 DC offer exceptional gouging performance:

- 6 mm Ø electrode (BUFFALO 400 DC),
- 8 mm Ø electrode (BUFFALO 500 DC),
- 13 mm Ø electrode (BUFFALO 650 DC).

These units can also be stacked and connected in parallel, reducing their footprint.





■ **Optional:**
ammeter/
voltmeter

■ **Forced arc dynamism:**
essential to improve the
melting of coated electrodes,
including cellulosic electrodes.

■ **Welding current.**



■ **Dynamic arc striking:**
this setting
ensures clean
arc striking
with coated
electrodes.

■ **Multiprocess selector:**
• ARC : all types of electrode,
rutile, basic or cellulosic,
• TIG : with torch with integral
cock or TIG unit (BUFFALO TIG),
• gouging.

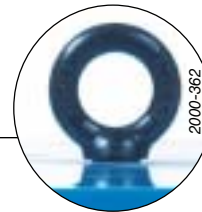
■ **Safety features:**
thermal cut-out
lamp, protection
against lack of cooling.

Burn-back control:

the BUFFALO 400 DC, 500 DC and 650 DC incorporate SAF's burn-back control system.

Maintenance:

the cooling fan cuts in according to the welding current and time of use, reducing maintenance and minimizing ingress of dust, especially when gouging. The electronics inside the BUFFALO units are sealed for protection.



■ **47 mm Ø hoisting ring :**
ideal
for moving
the unit
around
the site.

Options



Wheels kit
cat. N° : 0320-2087



Site trolley
cat. N° : 0320-2089



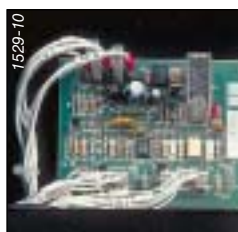
Remote controller
cat. N° : 0387-4044



BUFFALO TIG
unit with welding cycle
and HF arc striking
cat. N° : 0389-0034



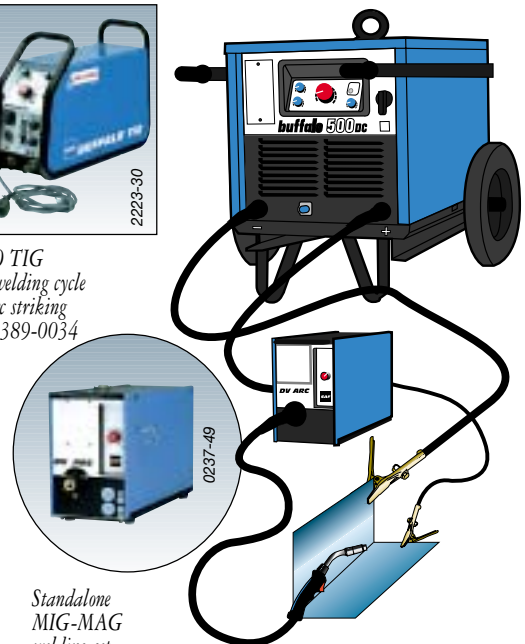
Front tail
cat. N° : 0320-2097



Floating voltage
reducer (10 V)
cat. N° : 0320-2085



Ammeter/
voltmeter
cat. N° : 0320-2088

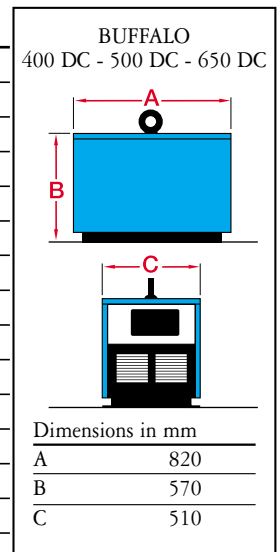


Standalone
MIG-MAG
welding set
DEVIDARC
cat. N° : 9160-0186



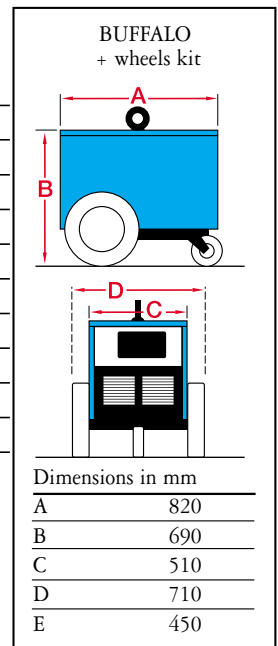
Technical specification

		<i>BUFFALO 400 DC</i>	<i>BUFFALO 500 DC</i>	<i>BUFFALO 650 DC</i>
Primary				
Three-phase supply voltage V		230/400/440	230/400/440	230/400/440
Frequency Hz		50-60	50-60	50-60
Max primary current	A (230 V)	77	94	130
	A (400 V)	45	54	73
	A (440 V)	40	49	68
Secondary				
Off load voltage V		68	68	75
Welding current A		15-400	20-500	30-630
Duty factor (10 min. cycle at 40° C)	at 35%	400 A (at 45%)	500 A (at 45%)	630 A
	at 60%	350 A	450 A	470 A
	at 100%	280 A	350 A	370 A
Forced arc dynamism		yes	yes	yes
Arc striking dynamism		yes	yes	yes
Gouging mm		Ø 6	Ø 8	Ø 13
Protection		IP 23	IP23	IP23
Weight kg		185	180	190
Standards		EN 6074-1	EN 6074-1	EN 6074-1



Ordering information :

230 / 400 / 415 / 440 V - 50-60 Hz	0320-2075	0320-2079	0320-2082
500 V - 50-60 Hz	-	-	-
Options			
Ammeter/voltmeter	0320-2088	0320-2088	0320-2088
Remote controller with 10 m cable	0387-4044	0387-4044	0387-4044
15 m extension assembly	0387-4031	0387-4031	0387-4031
Wheels kit	0320-2087	0320-2087	0320-2087
Site trolley	0320-2089	0320-2089	0320-2089
BUFFALO TIG unit	0389-0034	0389-0034	0389-0034
Voltage reducer	0320-2085	0320-2085	0320-2085
DEVIDARC	9160-0186	9160-0186	9160-0186
Standard offer code	TO 40.400	TO 40.500	TO 40.600 TO 40.605 (gouging)





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