



Welding process

- MMA stick welding (WF 430 Exclusive)
- Air Carbon Arc gouging (Quasar 400/500 MSE)
- MIG/MAG short spray manual arc welding
- MIG/MAG short spray synergic arc welding (WF 430 Smart/Exclusive)
- MIG/MAG brazing

Materials

- Carbon steels
- Aluminum and aluminum alloys
- Aluminized and galvanized steels
- Copper and copper alloys
- Stainless steels
- Magnesium and magnesium alloys
- Nickel and nickel alloys
- Cast irons

Applications






- Light job shop fabrication
- Railway industry
- Medium-heavy job shop fabrication
- Nuclear industry
- Heavy job shop fabrication
- Military industry
- Building sites
- Aeronautics and Aerospace industry
- Shipyards
- Food industry
- Plants machinery construction
- Chemical industry
- Oil refinery plants construction
- Repair and overhaul
- Machine and apparatus construction
- Workshops
- Automobile industry
- Sheet metal working

- Advanced inverter technology power source for superior arc performance
- High power at 100% of duty cycle
- Heavy duty and environmental conditions, high service life
- Selco CAN fieldbus digital communication protocol system (very high speed and high reliability digital communication)
- Software based controls can be upgraded as new features become available (WF 430 Exclusive)
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Linear controlled fan on demand
- Wire feeder unit (2/4 rolls drive)
- Fully Selco designed wire drive unit
- Full parameters control panel on wire feeder unit
- Ø 200/300 mm wire spool compatible
- Wheels kit option compatible
- Full digital and user-friendly control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- User-defined welding program storage capability (64 free memory locations) (WF 430 Exclusive)
- Lock-unlock function key protected by password
- Ideal for stick welding with all types of popular electrodes (WF 430 Exclusive)
- Built-in adjustable arc control features (hot start, arc force, antisticking) (WF 430 Exclusive)
- Synergic setting for optimal stick welding with all types of electrodes (WF 430 Exclusive)
- 2/4 step operating mode
- Arc dynamic adjustment
- Perfect arc ignition (soft start - motor slope)
- Burn-back and droplet detachment correction
- Crater filler operating mode (WF 430 Exclusive)
- Synergic operations from databank (14 pre-set programs) (Quasar 320 MSE - WF 430 Smart)
- Synergic operations from databank (18 pre-set programs) (Quasar 400/500 MSE - WF 430 Smart)
- Synergic operations from databank (32 pre-set programs) (Quasar 320 MSE - WF 430 Exclusive)
- Synergic operations from databank (40 pre-set programs) (Quasar 400/500 MSE - WF 430 Exclusive)
- Wire speed (0,5-22,0 m/min) (WF 430 Classic)
- Wire speed (0,5-22,0 m/min), amperage and piece thickness adjustment (WF 430 Smart/Exclusive)
- Spot welding mode
- Intermittent welding mode
- Bilevel MIG/MAG (WF 430 Exclusive)
- Euro adaptor - U/D MIG/MAG torch compatible (WF 430 Exclusive)
- Push-pull torch device
- Selco WU cooling unit compatible
- Controlled cooling operations









Power source

			P	X%		P.F.	I₂	U_o	IP	mm_{l x W x h}	Kg	
Quasar 320 MSE	3x400V MMA	25A	16,2kVA 10,9kW	40°C 40°C 40°C 25°C 25°C	50% 60% 100% 80% 100%	300A 290A 250A 300A 290A	0,68	3-320A	61V	23S	620x240x460mm	20,2kg
	3x400V MIG/MAG	25A	16,2kVA 10,9kW	40°C 40°C 40°C 25°C 25°C	50% 60% 100% 90% 100%	320A 310A 260A 320A 310A	0,68	3-320A	61V	23S	620x240x460mm	20,2kg
Quasar 400 MSE	3x400V	30A	22,0kVA 16,2kW	40°C 40°C 40°C 25°C 25°C	50% 60% 100% 80% 100%	400A 360A 340A 400A 360A	0,74	3-400A	61V	23S	620x240x460mm	22,5kg

Power source

			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
Quasar 500 MSE	3x400V	40A	29,7kVA 22,2kW	40°C	50%	500A	0,74	3-500A	61V	23S	620x240x460mm	27,3kg
				40°C	60%	470A						
				40°C	100%	420A						
				25°C	80%	500A						
				25°C	100%	470A						






Wire feeder unit

	P	ϕ (m/min)	 mm		\emptyset mm	ϕ				IP	 mm l x w x h	 Kg
WF 430 CLASSIC SL 4R-1T (v.2R)	90W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	640x250x460mm	19,0kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							
WF 430 SMART SL 4R-1T (v.2R)	90W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	640x250x460mm	19,0kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							
WF 430 EXCLUSIVE SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	640x250x460mm	19,0kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							
WF 330 CLASSIC SL 4R-1T (v.2R)	90W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	660x280x390mm	20,3kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							
WF 330 SMART SL 4R-1T (v.2R)	90W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	660x280x390mm	20,3kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							
WF 330 EXCLUSIVE SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ●	1,0/1,2mm ●	●	●	○	○	23S	660x280x390mm	20,3kg
				4 ○	0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○							

● = Included ○ = Optional

A = Aluminum Z = Cored

Cooling unit

		P		IP	 mm l x w x h	 Kg
WU 230	1x400V	1,0kW	3,0l	23S	660x240x220mm	12,0kg

Part No.	Description
Quasar 320 MSE - MIG/MAG welding configuration - Gas - WF 430 CLASSIC	
55.13.001	QUASAR 320 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.311	CABLE ASSEMBLY 50mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 320 MSE - MIG/MAG welding configuration - Gas - WF 430 SMART	
55.13.001	QUASAR 320 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.311	CABLE ASSEMBLY 50mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 320 MSE - MIG/MAG welding configuration - Gas - WF 430 EXCLUSIVE	
55.13.001	QUASAR 320 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.311	CABLE ASSEMBLY 50mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT

Part No.	Description
Quasar 320 MSE - MIG/MAG welding configuration - Water - WF 430 CLASSIC	
55.13.001	QUASAR 320 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.300	CABLE ASSEMBLY 50mm ² - L.1.5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 320 MSE - MIG/MAG welding configuration - Water - WF 430 SMART	
55.13.001	QUASAR 320 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.300	CABLE ASSEMBLY 50mm ² - L.1.5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 320 MSE - MIG/MAG welding configuration - Water - WF 430 EXCLUSIVE	
55.13.001	QUASAR 320 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.300	CABLE ASSEMBLY 50mm ² - L.1.5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 400 MSE - MIG/MAG welding configuration - Gas - WF 430 CLASSIC	
55.13.002	QUASAR 400 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 400 MSE - MIG/MAG welding configuration - Gas - WF 430 SMART	
55.13.002	QUASAR 400 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 400 MSE - MIG/MAG welding configuration - Gas - WF 430 EXCLUSIVE	
55.13.002	QUASAR 400 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT

Part No.	Description
Quasar 400 MSE - MIG/MAG welding configuration - Water - WF 430 CLASSIC	
55.13.002	QUASAR 400 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 400 MSE - MIG/MAG welding configuration - Water - WF 430 SMART	
55.13.002	QUASAR 400 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 400 MSE - MIG/MAG welding configuration - Water - WF 430 EXCLUSIVE	
55.13.002	QUASAR 400 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 500 MSE - MIG/MAG welding configuration - Gas - WF 430 CLASSIC	
55.13.003	QUASAR 500 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 500 MSE - MIG/MAG welding configuration - Gas - WF 430 SMART	
55.13.003	QUASAR 500 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 500 MSE - MIG/MAG welding configuration - Gas - WF 430 EXCLUSIVE	
55.13.003	QUASAR 500 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT

Part No.	Description
Quasar 500 MSE - MIG/MAG welding configuration - Water - WF 430 CLASSIC	
55.13.003	QUASAR 500 MSE 3X400V
71.01.015	WIRE FEEDER WF430 CLASSIC
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 500 MSE - MIG/MAG welding configuration - Water - WF 430 SMART	
55.13.003	QUASAR 500 MSE 3X400V
71.01.017	WIRE FEEDER WF430 SMART
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Quasar 500 MSE - MIG/MAG welding configuration - Water - WF 430 EXCLUSIVE	
55.13.003	QUASAR 500 MSE 3X400V
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.03.035	COOLING UNIT WU 230
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
71.05.030	WORK CABLE - 70mm ² - L.4m
72.01.007	PRESSURE LIMITER - IT
Accessories	
Power source	
55.13.001	QUASAR 320 MSE 3X400V
55.13.002	QUASAR 400 MSE 3X400V
55.13.003	QUASAR 500 MSE 3X400V
Wire feeder unit	
71.01.015	WIRE FEEDER WF430 CLASSIC
71.01.017	WIRE FEEDER WF430 SMART
71.01.016	WIRE FEEDER WF430 EXCLUSIVE
71.01.023	WIRE FEEDER WF330 CLASSIC
71.01.022	WIRE FEEDER WF330 SMART
71.01.024	WIRE FEEDER WF330 EXCLUSIVE
73.10.065	FEED UNIT BIG WHEELS - UPGRADE KIT (D.125mm)
73.10.066	FEED UNIT LITTLE WHEELS - UPGRADE KIT (D.63mm)
73.10.067	WIRE FEEDER HOLDER KIT
07.01.510	UPGRADE KIT FROM 2 ROLLS (1 ROLL DRIVE) TO 2 ROLLS DRIVE
07.01.507	UPGRADE KIT FROM 2 ROLLS (1 ROLL DRIVE) TO 4 ROLLS (2 ROLLS DRIVE)
07.01.511	UPGRADE KIT FROM 2 ROLLS (1 ROLL DRIVE) TO 4 ROLLS DRIVE

Part No.	Description
Cable bundle	
71.06.311	CABLE ASSEMBLY 50mm ² - L.1,5m
71.06.312	CABLE ASSEMBLY 50mm ² - L.4m
71.06.313	CABLE ASSEMBLY 70mm ² - L.1,5m
71.06.314	CABLE ASSEMBLY 70mm ² - L.4m
71.06.315	CABLE ASSEMBLY 70mm ² - L.10m
71.06.316	CABLE ASSEMBLY 70mm ² - L.15m
71.06.317	CABLE ASSEMBLY 70mm ² - L.20m
71.06.318	CABLE ASSEMBLY 70mm ² - L.30m
71.06.300	CABLE ASSEMBLY 50mm ² - L.1.5m
71.06.301	CABLE ASSEMBLY 50mm ² - L.4m
71.06.302	CABLE ASSEMBLY 70mm ² - L.1,5m
71.06.303	CABLE ASSEMBLY 70mm ² - L.4m
71.06.304	CABLE ASSEMBLY WATER 70mm ² - L.10m
71.06.319	CABLE ASSEMBLY 70mm ² - L.15m
71.06.320	CABLE ASSEMBLY 70mm ² - L.20m
71.06.321	CABLE ASSEMBLY 70mm ² - L.30m
Cooling unit	
71.03.035	COOLING UNIT WU 230
18.91.001	ANTIFREEZING LIQUID (10kg)
Remote control unit	
71.02.400	REMOTE CONTROL UNIT RC 100 - L.6m
71.02.500	REMOTE CONTROL UNIT RC 120 - L.6m - FOOT
71.02.023	REMOTE CONTROL UNIT RC 180 - L.6m
71.02.031	REMOTE CONTROL UNIT RC 190 - L.6m
71.02.200	REMOTE CONTROL UNIT RC 200 - L.6m
73.11.015	REMOTE CONTROL WIRING KIT - WF EXCLUSIVE
Torch	
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
81.01.053	MIG/MAG WELDING TORCH 452 DW - L.3m - LIQUID COOLED
81.01.054	MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED
81.01.060	MIG/MAG WELDING TORCH MB 501 D - L.3m - LIQUID COOLED
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
81.01.085	MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - 45°
81.01.086	MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - 45°
81.01.083	MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - STRAIGHT
81.01.084	MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - STRAIGHT
73.11.012	PUSH PULL KIT
Stick electrode holder	
71.04.021	STICK ELECTRODE HOLDER - POWER CABLE 50mm ² - L.4m
71.04.022	STICK ELECTRODE HOLDER - POWER CABLE 70mm ² - L.4m
Earth cable	
71.05.025	WORK CABLE - 50mm ² - L.4m
71.05.030	WORK CABLE - 70mm ² - L.4m
Power source trolley	
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
Other	
72.01.007	PRESSURE LIMITER - IT
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
72.04.001	ARGON-CO2 GAS FITTING