

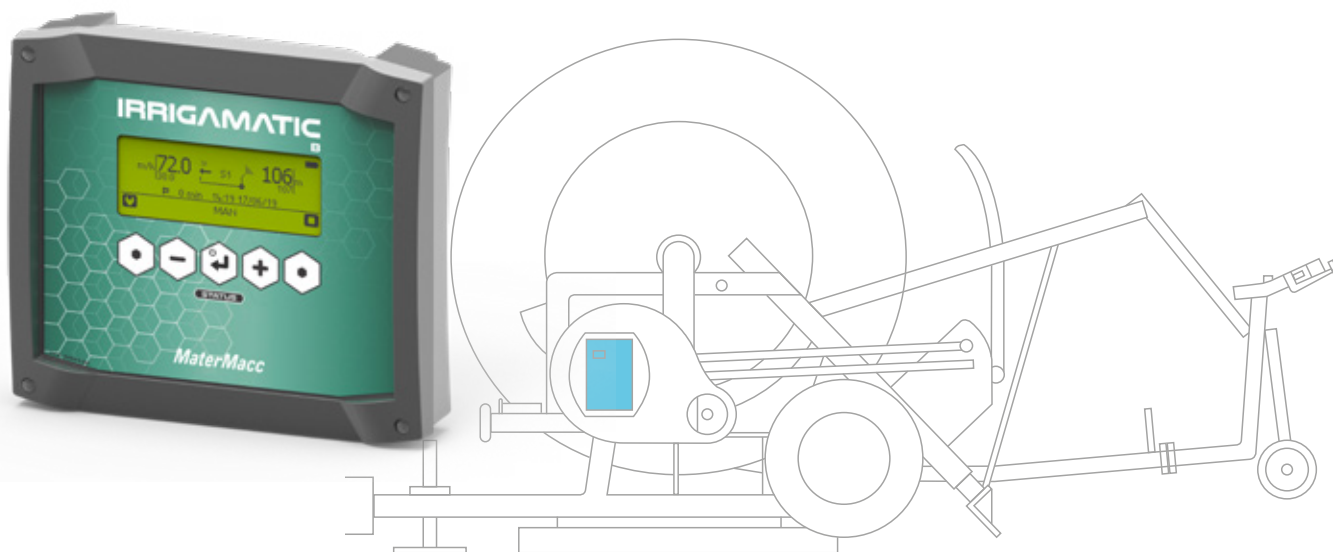
MaterMacc



OEM irrigation control units

IRRIGAMATIC B

ELECTRONIC CONTROL SYSTEMS FOR HOSE REEL IRRIGATORS



FUNCTIONS

Current date and time
Measurement of the unwound and rewound tube
Work start and end time settings
Starting pause from 0 to 120 min
Adjustment of the working speed from 1 to 4 sectors (from 4 to 850 m/h)
Display of the irrigation time and work end time
Setup of work end time and new calculation of the adjusting parameters
Final pause from 0 to 120 min.
Closing of the irrigation cycle at a programmed distance (over the crop)
Operations once the irrigation is over
Auto switch-off at the end of work to save energy

OPTIONS

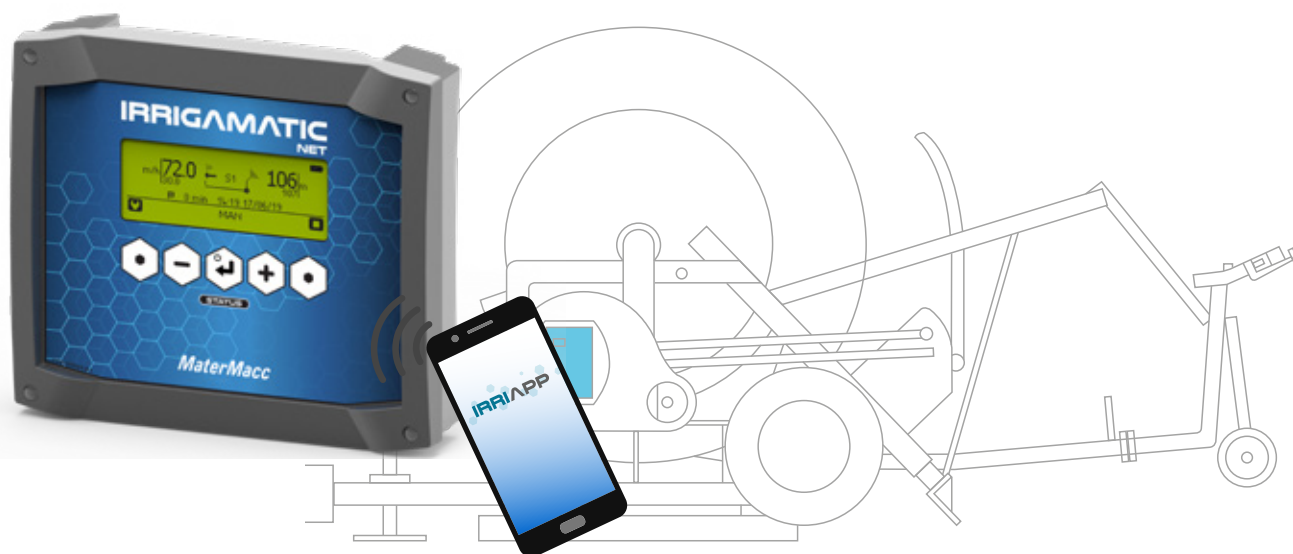
Connection with a pressure switch
Speed measurement with feeling roller
Management of a timed auxiliary irrigator
Connection with wind - rain feelers
Connection to a flow meter (mm/H2O)
MTR 3S functionality harness (return motor)

IRRIGAMATIC B

CODE	DESCRIPTION	PRICE	MIN. QTY.
30+19510002	IRRIGAMATIC B control unit complete with basic wiring	1.274,00	50

IRRIGAMATIC NET

ELECTRONIC CONTROL SYSTEMS FOR HOSE REEL IRRIGATORS



FUNCTIONS

Controllable via MM CONNECTA Free App*

Connection to an integrated LTE/4G card with data reception and transmission functions via mobile phone and app:

- Send a notification in case of a scheduled event (end of work, wind, rain ...)
- It allows you to query more than 10 system parameters
- Executes start - stop - speed change commands

Current date and time

Measurement of the unwound and rewound tube

Work start and end time settings

Starting pause from 0 to 120 min

Adjustment of the working speed from 1 to 4 sectors (from 4 to 850 m/h)

Display of the irrigation time and work end time

Work end time setting with recalculation of the adjustment parameters

Final pause from 0 to 120 min.

Closing the irrigation cycle at a programmed distance (crop override)

Operations once the irrigation is over

Auto switch-off at the end of work to save energy

OPTIONS

Connection with a pressure switch

Speed measurement with feeling roller

Management of a timed auxiliary irrigator

Connection with wind - rain feelers

Connection to a flow meter (mm/H2O)

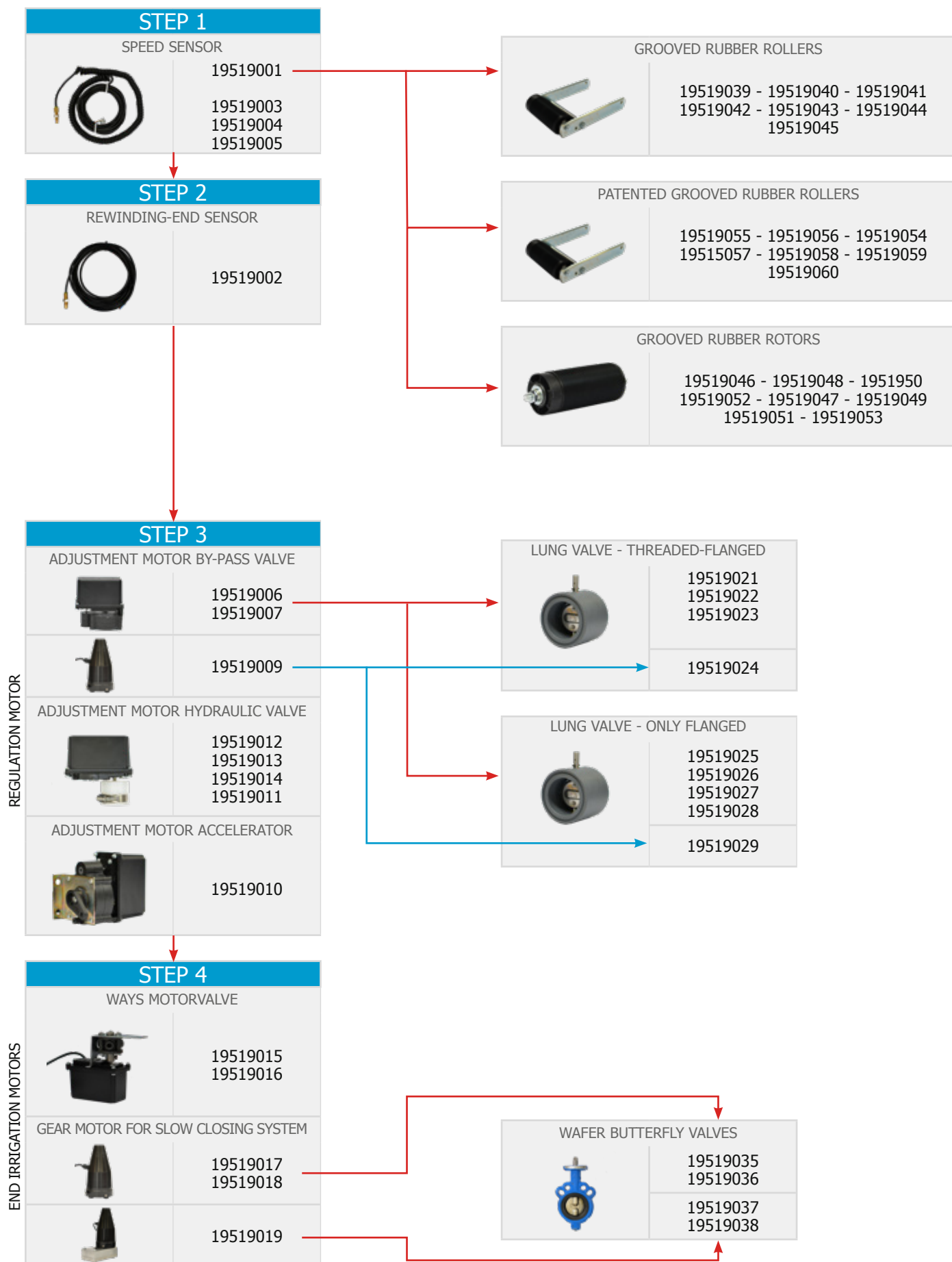
MTR 3S functionality harness (return motor)

IRRIGAMATIC NET

CODE	DESCRIPTION	PRICE	MIN. QTY.
30+19510003	IRRIGAMATIC NET control unit complete with basic wiring	1.804,00	50
30+19908031	Remote annual portal subscription (net price cannot be discounted)	153,00	-

IRRIGAMATIC B-NET

TYPICAL CONFIGURATION LAYOUT





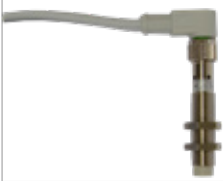

IRRIGAMATIC B-NET

TYPICAL CONFIGURATION LAYOUT







IRRIGAMATIC NET control unit on machine with hydraulic return, inductive speed sensor (with calibration) and 4" slow closing inlet valve

CONTROL UNIT LAYOUT EXAMPLE			
CODE	DESCRIPTION	QUANTITY	PRICE
30+19510003	IRRIGAMATIC NET control unit with integrated wiring	1	1.804,00
30+19519003	4 mm inductive speed sensor with NPN NO (3.0 m) cable and connector	1	55,00
30+19519002	REWINDING-END sensor with MAGNET 4.5 m	1	44,00
30+19519023	3" wafer and threaded-flanged PVC body 100 mm long	1	173,00
30+19519007	Speed regulation gear motor 1/4800, for BY-PASS VALVE up to 3" and BALL VALVE	1	148,00
30+19519037	4" with 11 mm square shaft	1	196,00
30+19519019	Gear motor for SLOW CLOSING system (aprox. 4 min) for 4" butterfly valve with 11 mm square shaft	1	560,00
		TOTAL	2.980,00

COMPONENTS



CABLES AND SENSORS				
	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519001	SPEED sensor with SPIRAL cable	68,00	50
	NOTE	Suitable for rollers and rotors see page 32		
	30+19519002	REWINDING-END sensor with MAGNET 4.5 m	44,00	50
	30+19519003	4 mm inductive speed sensor for gear box with connector NPN NO (3 m)	55,00	50
	30+19519004	4 mm inductive speed sensor for gear box with connector NPN NO (10.0 m)	84,00	50
	30+19519005	8 mm inductive speed sensor for gear rack NPN NO (3.0 m)	81,00	50

COMPONENTS

REGULATION MOTOR				
	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519006	Control motor 5 R.p.M. m. 4.5 rid. 4/1 for by pass valve	148,00	50
	NOTE	Applicable to by-pass valves except 19519024-19519029, see pages 30-31, applicable to pneurile valve		
	30+19519007	Speed regulation gear motor 1/4800, for BY-PASS VALVE up to 3" and BALL VALVE	148,00	50
	NOTE	Applicable to by-pass valves except 195191024-19519029, see pages 30-31, applicable to pneurile valve		
	30+19519009	Speed regulation gear motor 1/12700 for BY-PASS VALVE up to 4" for high pressure	296,00	50
	NOTE	Suitable for all by pass valves see page 30		
	30+19519010	ACCELERATOR REGULATION gear motor for an auxiliary motor, with fittings and rod with 50 mm stroke	164,00	50
	NOTE	Not suitable for by-pass valves		
	30+19519011	Speed REGULATION gear motor with 270° cam for HYDRAULIC VALVE	155,00	50
	30+19519012	Speed REGULATION gear motor, for BY-PASS valve up to 3" and BALL VALVE	168,00	50
	30+19519013	Speed REGULATION gear motor, for BY-PASS valve up to 5" and BALL VALVE	168,00	50
	NOTE	Not suitable for by-pass valves		
	30+19519014	Motor with cam 180° HYDRAULIC VALVE ADJUSTMENT with clamp and joint	155,00	50
	NOTE	Not suitable for by-pass valves		



COMPONENTS

END IRRIGATION MOTORS



	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519017	Gear motor for SLOW CLOSING system (aprox. 4 min) for 3" butterfly valve with 11 mm square shaft	408,00	50
	30+19519018	Gear motor for SLOW CLOSING system (aprox. 2 min) for 3" butterfly valve with 11 mm square shaft	408,00	50
	NOTE	Applicable to wafer valves code 19519035-19519036 page 31		
	30+19519019	Gear motor for SLOW CLOSING system (aprox. 4 min) for 4" butterfly valve with 11 mm square shaft	560,00	50
	NOTE	Applicable to wafer valves code 19519037-19519038 page 31		

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WAYS MOTORVALVE


	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519015	3 ways motorvalve 120°	186,00	50
	30+19519016	5 ways motorvalve 120°	214,00	50

BUTTERFLY BY-PASS VALVE


	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519021	2" wafer and threaded-flanged PVC body 100 mm long	131,00	50
	30+19519022	2 1/2" wafer and threaded-flanged PVC body 100 mm long	149,00	50
	30+19519023	3" wafer and threaded-flanged PVC body 100 mm long	173,00	50
	30+19519024	4" wafer and threaded-flanged PVC body 100 mm long	204,00	50
	30+19519025	1" 1/2" wafer and only flanged PVC body 100 mm long	99,00	50
	30+19519026	2" wafer and only flanged PVC body 100 mm long	100,00	50
	30+19519027	2 1/2" wafer and only flanged PVC body 100 mm long	106,00	50
	30+19519028	3" wafer and only flanged PVC body 100 mm long	122,00	50
	30+19519029	4" wafer and only flanged PVC body 100 mm long	148,00	50

COMPONENTS

LUNG VALVE


	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519030	1/2" ball valve suitable to fit gear motors	143,00	50
	30+19519031	3/4" ball valve suitable to fit gear motors	154,00	50
	30+19519032	1" ball valve suitable to fit gear motors	173,00	50
	30+19519033	1-1/4" ball valve suitable to fit gear motors	214,00	50
	30+19519034	1-1/2" ball valve suitable to fit gear motors	255,00	50

WAFER BUTTERFLY VALVES

	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519035	2 1/2" with 11 mm square shaft	157,00	50
	30+19519036	3" with 11 mm square shaft	180,00	50
	30+19519037	4" with 11 mm square shaft	196,00	50
	30+19519038	5" with 11 mm square shaft	234,00	50

COMPONENTS


GROOVED RUBBER ROLLERS

	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519039	230 mm arms and 131 mm roller	128,00	50
	30+19519040	230 mm arms and 162 mm STANDARD	128,00	50
	30+19519041	360 mm arms and 162 mm roller	145,00	50
	30+19519042	230 mm arms and 193 mm roller	153,00	50
	30+19519043	360 mm arms and 193 mm roller	170,00	50
	30+19519044	230 mm arms and 224 mm roller	180,00	50
	30+19519045	360 mm arms and 224 mm roller	195,00	50









PATENTED GROOVED RUBBER ROLLERS FOR LUNG - SYSTEM

	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519054	230 mm arms and 141 mm roller	186,00	50
	30+19519055	230 mm arms and 172 mm roller	186,00	50
	30+19519056	360 mm arms and 172 mm STANDARD	214,00	50
	30+19519057	230 mm arms and 203 mm roller	224,00	50
	30+19519058	360 mm arms and 203 mm roller	234,00	50
	30+19519059	230 mm arms and 234 mm roller	245,00	50
	30+19519060	360 mm arms and 234 mm roller	255,00	50

GROOVED RUBBER ROTORS


	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519046	131 mm wide grooved rubber rotor	112,00	50
	30+19519048	162 mm wide grooved rubber rotor	112,00	50
	30+19519050	193 mm wide grooved rubber rotor	136,00	50
	30+19519052	224 mm wide grooved rubber rotor	164,00	50
	30+19519047	141 mm wide pneurile grooved rubber rotor	164,00	50
	30+19519049	172 mm wide pneurile grooved rubber rotor	164,00	50
	30+19519051	203 mm wide pneurile grooved rubber rotor	186,00	50
	30+19519053	234 mm wide pneurile grooved rubber rotor	224,00	50

ACCESSORIES

OPTIONS FOR IRRIGAMATIC				
	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519063	10 W PHOTOVOLTAIC PANEL for 12 V battery (max 12 Ah)	202,00	50
	30+19519064	STAINLESS STEEL PROTECTION BOX for irrigamatic console and 12 V - 6 Ah battery, suitable to padlock	132,00	50
	30+19510001	IRRIGAMATIC EVO sun protection (Not applicable on previous series)	66,00	50
	30+19519065	Pressure switch with lid and cable	67,00	50
	30+19519066	Mounted flow rate manual regulator	14,00	50
	30+19519067	Helix wind sensor	136,00	50
	30+19519068	Capacitive rain sensor (for P.V. CONTROL)	234,00	50
	30+19034051	GSM (QCTL) module kit for evo with cable and antenna	876,00	50
	30+19519069	IRRIG1 expansion wiring	207,00	50
	30+59311051	M12 male connector	56,00	50

ACCESSORIES

OPTIONS FOR IRRIGAMATIC

	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519070	IRRIG1 MTR expansion wiring	408,00	50

Allows the dialogue between IRRIGAMATIC control units MaterMacc and a single cylinder internal combustion motor permitting:

FUNCTIONS

Synchronized engine start and shut-off depending on irrigation process phases:

- Deferred departures
- Initial and final pauses
- Irrigation suspensions due to alarm (e.g: low water pressure)

Up to five ignition attempts

Setting of minimum rpm threshold "engine running" through Irrigamatic

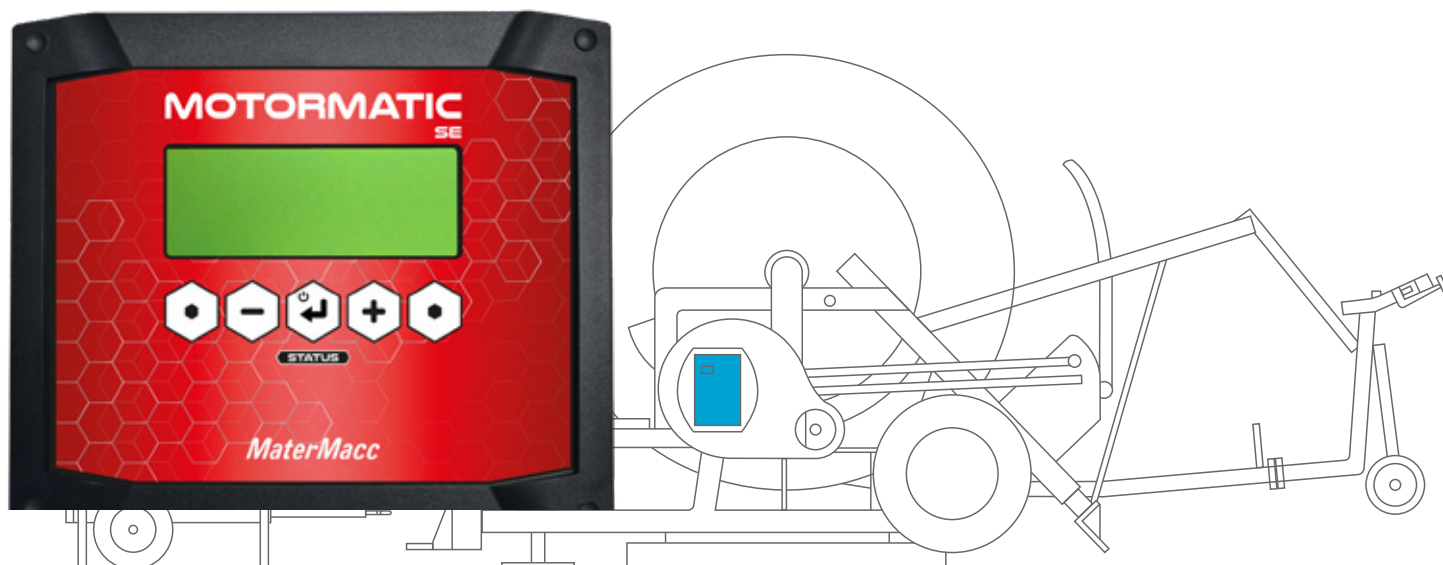
Manual ignition management for service operations (e.g. fuel circuit bleeding)

MaterMacc



MOTORMATIC

ELECTRONIC UNIT FOR MOTOR-PUMP CONTROL AND PROTECTION



FUNCTIONS

Remote control and receipt of notifications possible if connected to an Irrigamatic NET control unit

Motor pump diagnostics and protection:

- Oil pressure
- Motor temperature and overheating protection
- Automatic shutdown in case of belt failure
- Fuel reserve alarm
- Liquid levels
- Rev counter and overspeed protection
- Diesel consumption

Manual (rpm control) and/or automatic (pressure control) operating mode:

- Engine heating and cooling management
- Timer management
- Interoperability with MaterMacc Irrigamatic for irrigation management

Hot swap between manual and automatic mode operation (rpm control/pressure control)

Automatic ignition management up to 5 start attempts

Manual ignition management for service operations (e.g. fuel circuit bleeding)

Automatic clutch engagement

Hour counter

Maintenance notice that can be set from the specific menu

Suitable for all systems: frost protection, fruit growing, horticulture, nurseries, vineyards, open fields ...

Also suitable for electric motors

OPTIONS

Actuator for accelerator

Pressure transducer



Minimum pressure switch

Flow meter

MOTORMATIC - Electronic control unit for motor pump control and protection

CODE	DESCRIPTION	PRICE	MIN. QTY.
30+19510005	MOTORMATIC SE control unit complete with wiring	1.264,00	50

ACCESSORIES MOTORMATIC

ACCESSORIES MOTORMATIC				
	CODE	DESCRIPTION	PRICE	MIN. QTY.
	30+19519061	Pressure transducer	357,00	50
	30+19026001	Linear actuator for MOTORMATIC	377,00	50

Representative images



Our history

- MaterMacc was born in 1983 from the passion for agriculture and the constant search for new solutions for the agricultural world.
- It specializes in the design and manufacture of pneumatic precision seed drills for traditional crops, as well as pneumatic and mechanical-pneumatic seed drills, no-till seed drills and weeders.
- It also produces electronic equipment for the control and management of agricultural machinery and irrigation management tools.
- Made in Italy technology and quality at the service of agriculture.

Quality in precision sowing

- MaterMacc is proud to offer seeding machines suitable for use in conventional agriculture, with minimal tillage or direct seeding (No-Till), satisfying the needs of the various types of farms.
- The MagicSem pneumatic distributor, the strong point of MaterMacc seeders, was designed to allow correct distribution of the seeds at a constant and precise distance. It maintains excellent performance with all types of seeds.
- We believe that the performance of our products and services means above all offering the customer the economic growth of his company over time, because his success is our success.
- MaterMacc, Smart precision planters

Company contact details

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