



Speed control control cabinet regulator MAH

1- 6 pumps; 0.75kW - 200(355)kW / Connection: 3PH + N 230/400V 50/60Hz

Is suitable in the metal control cabinet with plain text pump regulator for asynchronous and PM motors: main switch, 2x sensor input 4-20mA, 2x relay output, 4x digital input, 1x fast counter input (MID), 1x potentiometer input, SD card as data logger, USR interface, RS485 interface for Modbus / GSM. Additionally per pump: fuses, H/O/A switch, cold conductor input, analogue input, digital input, relay output, analogue output. More options are available.

Version: pressure regulator, pressure switch, limit switch, level controller, level switch, temperature controller, temperature switch, quantity regulator, flow regulator

Option: GSM modem, modbus TCP/IP, GLT modbus, external column, potentiometer, desserts, pumping, fire extinguishing, etc.

without transducer, without accessories

Variant control cabinet power according to kW with data logger				Frequency converter EU-MA-2100			
Power at 400V	1 pump system	2 pumps system	3 pumps system	4 pumps system	5 pumps system	6 pumps system	
0,40kW /1A	MAH-0004-1 - 6	1590 €	2285 €	2841 €	4192 €	4748 €	5821 €
0,75kW / 2A	MAH-0007-1 - 6	1680 €	2520 €	3192 €	4704 €	5376 €	6552 €
1,5kW/4A	MAH-0015-1 - 6	1840 €	2760 €	3496 €	5152 €	5888 €	7176 €
2,2kW/6,5A	MAH-0022-1 - 6	2025 €	3038 €	3848 €	5670 €	6480 €	7900 €
3,0kW/7A	MAH-0030-1 - 6	2210 €	3315 €	4199 €	6188 €	7072 €	8619 €
4,0kW/9A	MAH-0040-1 - 6	2515 €	3773 €	4780 €	7294 €	8048 €	9810 €
5,5kW/12A	MAH-0055-1 - 6	2870 €	4305 €	5453 €	8323 €	9184 €	11193 €
7,5kW/17A	MAH-0075-1 - 6	3050 €	4575 €	5795 €	8845 €	9760 €	11895 €
11kW/23A	MAH-0110-1 - 6	3300 €	4950 €	6600 €	9570 €	10860 €	12870 €
15kW/32A	MAH-0150-1 - 6	4150 €	6225 €	8300 €	11420 €	13695 €	16185 €
18,5kW/38A	MAH-0185-1 - 6	5150 €	7725 €	10300 €	14450 €	17252 €	20085 €
22kW/44A	MAH-0220-1 - 6	5400 €	8100 €	11800 €	16200 €	18090 €	21600 €
30kW/60A	MAH-0300-1 - 6	6515 €	9773 €	13030 €	19545 €	21825 €	26060 €
37kW/75A	MAH-0370-1 - 6	9180 €	14320 €	19690 €	26850 €	29982 €	35800 €
45kW/90A	MAH-0450-1 - 6	10070 €	16112 €	22154 €	30210 €	33735 €	40280 €
55kW/110A	MAH-0550-1 - 6	11620 €	18592 €	25564 €	34860 €	38927 €	47642 €
75kW/150A	MAH-0750-1 - 6	15120 €	24192 €	33262 €	45360 €	50652 €	61992 €
90kW/180A	MAH-0900-1 - 6	19160 €	30656 €	42152 €	57480 €	64186 €	78556 €
110kW/220A	MAH-1100-1 - 6	24230 €	38768 €	53306 €	72690 €	81170 €	99343 €
132kW/265A	MAH-1320-1 - 6	28175 €	45080 €	61985 €	84525 €	94386 €	115518 €
160kW/320A	MAH-1600-1 - 6	32470 €	51952 €	63693 €	97410 €	108775 €	133127 €
180kW/360A	MAH-1800-1 - 6	35115 €	56184 €	77253 €	105345 €	117635 €	147483 €
200kW/400A	MAH-2000-1 - 6	38070 €	60912 €	83754 €	114210 €	127535 €	159894 €

Accessories / extras / only for MAH	Prices in €	
Surcharge plug-in board MAH 4x relay 24VAC / 1A, per MAH control	MAH-REL4	150 €
Surcharge special power supply for generator operation, per MAH control	MAH-USV-12/24	800 €
Surcharge function limit values installation kit poti + button, per MAH control	MAH-GW	665 €
Surcharge additional display as LED light, door, MAH, per function (max.3x)	MAH-ANZ-LED	98 €
Surcharge function flushing, per MAH control (without MAH-REL-4)	MAH-SPF	375 €
Surcharge function fire (fire) mode, per MAH control	MAH-FIRE	390 €
Surcharge emergency stop button, front door, each MAH control	MAH-STO	98 €
Surcharge set values - selector switch, front door, each MAH control	MAH-ZWS	98 €
Surcharge button acknowledgement / reset, front door, each MAH control	MAH-RST	98 €
Surcharge button timer set, front door, per MAH control	MAH-TIS	98 €
Surcharge button Start / Stop / Reset, front door, each MAH control	MAH-SRS	98 €
Surcharge set values - Poti IP66, door, each MAH control	MAH-POTI	150 €
Surcharge valve control 10xE/A, 24VAC/1A, per MAH control	MAH-VE10	574 €
Surcharge UPS power supply 24VDC, 1.2Ah, per MAH control	MAH-USV24/1.2	633 €
Surcharge filling / emptying function MAH, 1xHOA, LED display, p.f. Terminal	MAH-NSLE	324 €
Surcharge Fill / Empty Function MAH, 1xHOA, LED Display, 24VAC/1A	MAH-NSLE-024AC	625 €
Surcharge Fill / Empty Function MAH, 1xHOA, LED Display, 24VDC/1A	MAH-NSLE-024DC	625 €
Surcharge Filling / Emptying Function MAH, 1xHOA, LED Display, 230VAC/6A	MAH-NSLE-230AC	625 €
Surcharge Fill / Empty Function MAH, 1xHOA, LED Display, 400V3PH/16A	MAH-NSLE-400AC	875 €
Surcharge Fill / Empty Function MAH, 2xHOA, LED Display, 400V3PH/16A	MAH-NSLE-400-2AC	1125 €
Surcharge feed-in without N-guide, per MAH control	MAH-ON	314 €
Surcharge switch heating 10/20W, 230V, each MAH control	MAH-HZ	200 €
Surcharge control cabinet lighting / work socket per control / FILS	MAH-BLS	275 €
Surcharge visualization for external HDMI monitor	MAH-VISU-HDMI	4750 €

Accessories Relay / Modem / Interface converter	Prices in €	
Surcharge emergency operation - switch in the control cabinet, per pump	MAZ-NB	98 €
Surcharge running signal relay p.f, per pump	MAZ-LAUF	98 €
Surcharge relay with 230VAC control voltage, per controller	MAZ-REL230AC	98 €
Surcharge relay with 8-230VDC control voltage, per controller	MAZ-RELMU	110 €
Surcharge relay with 24VDC control voltage, per control	MAZ-REL24DC	98 €
Surcharge relay with 24VAC control voltage, per controller (Hunter)	MAZ-REL24AC	98 €
Surcharge PT100 monitoring, per pump	MAZ-PT	324 €
Surcharge GSM modem (terminal / antenna / cable), per controller	MAZ-GSM	495 €
Surcharge plug-in board Modbus-RTU, per controller	MAZ-RTU	150 €
Surcharge plug-in board Modbus-TCP/IP, per controller	MAZ-TCP	195 €
Surcharge Modbus-LON module, per control	MAZ-MOD-LON	1675 €
Surcharge Modbus-Bacnet module, per controller	MAZ-MOD-BAC	1272 €
Surcharge Ethernet converter LWI-RJ45-6 port, per controller	MAZ-LWL-RJ45	775 €
Surcharge Modbus-Profibus module, per control	MAZ-MOD-PRO	1785 €
Surcharge Modbus-Profinet-Module, per control	MAZ-MOD-PRON	1785 €
Surcharge IoT-Gateway IXON IXrouter3 WI-FI-IX2410, per controller	MAZ-IXON	1350 €
Surcharge Industry RS-485 LTE/GSM Gateway Ethernet, per controller	MAZ-TRB140	480 €
Surcharge Industry RS-485 LTE/GSM Gateway Modbus, per controller	MAZ-TRB145	480 €
Surcharge Industry LTE Router LTE / LAN / WLAN, per control	MAZ-TRUT240	680 €
Surcharge weather relay 11 with LAN connection, per control	MAZ-WTR11	295 €
Surcharge weather relay 21 with WLAN connection, per control	MAZ-WTR21	295 €
Surcharge over-voltage protection module, per control	MAZ-BLIMO	1380 €
Surcharge external control cabinet GRP, per control	MAZ-AS...	Inquiry
Surcharge external control cabinet ALU, per control	MAZ-AS...	Inquiry

Accessories Transducers / Thermostats	Prices in €	
Sensor connection cable 2 m (without shield) with plug M12x1-OEM	MAZ-SK-M12/2-OEM	21 €
Angle socket M12x1 4pin. (for own sensor cable)	MAZ-RE-BU-M12	27 €
Transducer connection cable 2 m PUR with plug M12x1	MAZ-SK-M12/2	29 €
Transducer connection cable 5 m PUR with plug M12x1	MAZ-SK-M12/5	39 €
Transducer connection cable 10 m PUR with plug M12x1	MAZ-SK-M12/10	53 €
Transducer connection cable 15 m PUR with plug M12x1	MAZ-SK-M12/15	120 €
Transducerconnection cable 30 m PUR with plug M12x1	MAZ-SK-M12/30	165 €
Transducer connection cable 40 m PUR with plug M12x1	MAZ-SK-M12/40	180 €
Transducer connection cable 50 m PUR with plug M12x1	MAZ-SK-M12/50	330 €
Transducer Danfoss 0-16 bar (4..20mA) VA G1/4"AG M12x1-OEM	MAZ-S-075G4029-OEM	111 €
Transducer Danfoss 0-2,5 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G1122	186 €
Transducer Danfoss 0-10 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G3875	132 €
Transducer Danfoss 0-16 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G6290	132 €
TransducerDanfoss 0-25 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G5864	132 €
Transducer Danfoss 0-40 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G1850	154 €
Transducer Danfoss 0-100 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G5758	198 €
Transducer Danfoss 0-250 bar (4..20mA) VA G1/4"AG M12x1 plug	MAZ-S-060G3628	322 €
Transducer Huba 0-250 mbar (4..20mA) VA G1/2"AG M12x1 plug	MAZ-S-525.9251033S11	230 €
Transducer Huba 0-400 mbar (4..20mA) VA G1/2"AG M12x1 plug	MAZ-S-525.9271033S11	230 €
Surface pressure transducer 0..16 bar (0..20mA) VA G1/2"AG M12x1	MAZ-S-94612042	275 €
Submersible transducer 0-250/500/1000/2000cm, 4-20mA, xx m cable	MAZ-NÖ-Sonde-xxx-xx	Inquiry
Temperature transducer -50.. +150°C / 4-20mA, M12x1 G1/2"	MAZ-T-50+150C	236 €
System thermostat 20-90°C jacket monitoring, per pump	MAZ-THP	114 €

Extras / fixtures - sinus filter per motor (larger control cabinet)	Prices in €	
Surcharge sine filter 1,5kW, 4A	MAZ-BL-SF0015	632 €
Surcharge sine filter 4,0kW, 10A	MAZ-BL-SF0040	720 €
Surcharge sine filter 7,5kW, 17A	MAZ-BL-SF0075	965 €
Surcharge sine filter 11kW, 23,5A	MAZ-BL-SF0110	1165 €
Surcharge sine filter 15kW, 32A	MAZ-BL-SF0150	1535 €
Surcharge sine filter 18,5kW, 37A	MAZ-BL-SF0185	1620 €
Surcharge sine filter 22kW, 48A	MAZ-BL-SF0220	1710 €
Surcharge sine filter 30kW, 61A	MAZ-BL-SF0300	2360 €
Surcharge sine filter 37kW, 72A	MAZ-BL-SF0370	2500 €
Surcharge sine filter 45kW, 90A	MAZ-BL-SF0450	2950 €
Surcharge sine filter 55kW, 115A	MAZ-BL-SF0550	4390 €
Surcharge sine filter 75kW, 150A	MAZ-BL-SF0750	4955 €
Surcharge sine filter 90kW, 180A	MAZ-BL-SF0900	6635 €
Surcharge sine filter 132kW, 250A	MAZ-BL-SF1320	10050 €
Surcharge all-pole sine filter 1.5kW, 4A	MAZ-BL-SFA400-04	640 €
Surcharge all-pole sine filter 2,2kW, 6A	MAZ-BL-SFA400-06	870 €
Surcharge all-pole sine filter 4,0kW, 10A	MAZ-BL-SFA400-10	910 €
Surcharge all-pole sine filter 7,5kW, 16A	MAZ-BL-SFA400-16	995 €
Surcharge all-pole sine filter 11kW, 24A	MAZ-BL-SFA400-24	1440 €
Surcharge all-pole sine filter 15kW, 32A	MAZ-BL-SFA400-32	1560 €
Surcharge all-pole sine filter 18,5kW, 40A	MAZ-BL-SFA400-40	1710 €
Surcharge all-pole sine filter 22kW, 50A	MAZ-BL-SFA400-50	2040 €
Surcharge sine filter 4115A, wall version	MAZ-BL-SF-xxxx - Wand	Inquiry