

2.5 ProMinent® Makro TZ Diaphragm Metering Pumps

2.5.2 Identity Code Makro TZ Diaphragm Metering Pumps

TZMb Motor-Driven Metering Pump TZMb Makro TZ 10 (mechanically driven add-on diaphragm pump)

Drive type	
H	Main drive
A	Add-on drive
D	Double main drive
B	Double add-on drive
Pump type: (digits 1 +2 = back pressure [bar], digits 3-6 = feed rate [l/h])	
120260	070430 040840
120340	070570 041100
120430	070720 041400
120510	070860 041670
120650	071070 042100 material version PCT/PPT/TTT max. 10 bar
Liquid end material:	
PC	PVC
PP	Polypropylene
SS	Stainless steel
TT	PTFE + 25% carbon
Seal material:	
T	PTFE
Positive displacement element:	
1	Multi-layer safety diaphragm with rupture indicator
Liquid end version:	
0	No valve springs
1	With valve springs
Hydraulic connection:	
0	Standard connection
1	PVC union nut and insert
2	PP union nut and insert
3	PVDF union nut and insert
4	SS union nut and insert
Version:	
0	with ProMinent® logo
2	No ProMinent® logo
A	0 with ProMinent® logo, with frame, simplex
B	0 with ProMinent® logo, with frame, duplex
C	0 with ProMinent® logo, with frame, triplex
M	Modified
Electrical power supply:	
S	3 ph. 230/400 V 50/60 Hz (dual wound)
P	3 ph. 230/400 V 60 Hz (Exe, Exde)
L	3 ph. 230/400 V 50 Hz (Exe, Exde)
R	Variable speed motor 4 pole 230/400 V
V (0)	Variable speed motor with integr. frequency converter
V (2)	variable speed motor with integr. frequency converter (Exde)
Z	Speed control kit
4	No motor, with 56 C flange
7	No motor, with 120/80 flange
8	No motor, with 160/90 flange
0	No motor, externally mounted drive
Enclosure rating:	
0	IP 55 (Standard) ISO class F
1	Exe version (ATEX-T3)
2	Exde version (ATEX-T4)
A	ATEX power end
Stroke sensor:	
0	No stroke sensor
1	With stroke sensor (Namur)
Stroke length adjustment:	
0	0 Stroke length adjustment, man.
1	230 V stroke actuator
2	115 V stroke actuator
3	230 V 0-20 mA stroke controller
4	230 V 4-20 mA stroke controller
5	115 V 0-20 mA stroke controller
6	115V 4-20 mA stroke controller (servo motors for Ex zones on request)
Applications:	
0	Standard

TZMb H 120260 PC T 1 0 0 0 S 0 0 0 0



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2.5.3

Spare Parts Makro TZ Diaphragm Metering Pumps

The spare parts kit generally consists of liquid end consumables;

- 1 x pump diaphragm
- 1 x suction valve assembly.
- 1 x discharge valve assembly
- 2 x valve balls (Multi-layer safety diaphragm DN 32/ DN 40 with shim and springs)
- 1 x set of seals (O-rings, ball seat discs, ball seat housings)

Delivery unit	Materials in contact with medium	Part No.
FM 650 - DN 25	PCT, PPT, TTT	1025164
	SST	1022896
	SST (without valve cpl.)	1022895

Delivery unit	Materials in contact with medium	Part No.
FM 1100 - DN 32	PCT, PPT, TTT	1025167
	SST	1022917
	SST (without valve cpl.)	1022916

Delivery unit	Materials in contact with medium	Part No.
FM 2100 - DN 40	PCT, PPT, TTT	1025169
	SST	1022930
	SST (without valve cpl.)	1022929

Multi-layer safety diaphragm for TZMb

ProMinent® multi-layer safety diaphragm with diaphragm rupture indication and PTFE Teflon coating on the wetted side.

Pump type	Part No.
Identcode: 120260, 120340, 120430, 120510, 120650; Makro TZ FM 650	1022887
Identcode: 070430, 070570, 070720, 070860, 071070; Makro TZ FM 1100	1022900
Identcode: 040840, 041100, 041400, 041670, 042100; Makro TZ FM 2100	1022921

Makro TZ spare parts kits for TZMa

Delivery unit	Materials in contact with medium	Part No.
Identcode: 120190, 120254, 120317, 120381 Liquid end FM 530 - DN 25	PP	910452
	P	910455
	T	910458
	S (without valve cpl.)	910475
	S	910461
Identcode: 060397, 060529, 060661, 060793 Liquid end FM 530 - DN 25	PP	910453
	P	910456
	T	910459
	S (without valve cpl.)	910476
	S	910462
Identcode: 030750, 031000, 031250, 031500, 031875, 031050, 031395, 031740, 032100, 032500 Liquid end FM 1500/2100	PP	1001573
	P	1001574
	T	1001575
	S (without valve cpl.)	1001577
	S	1001576

