

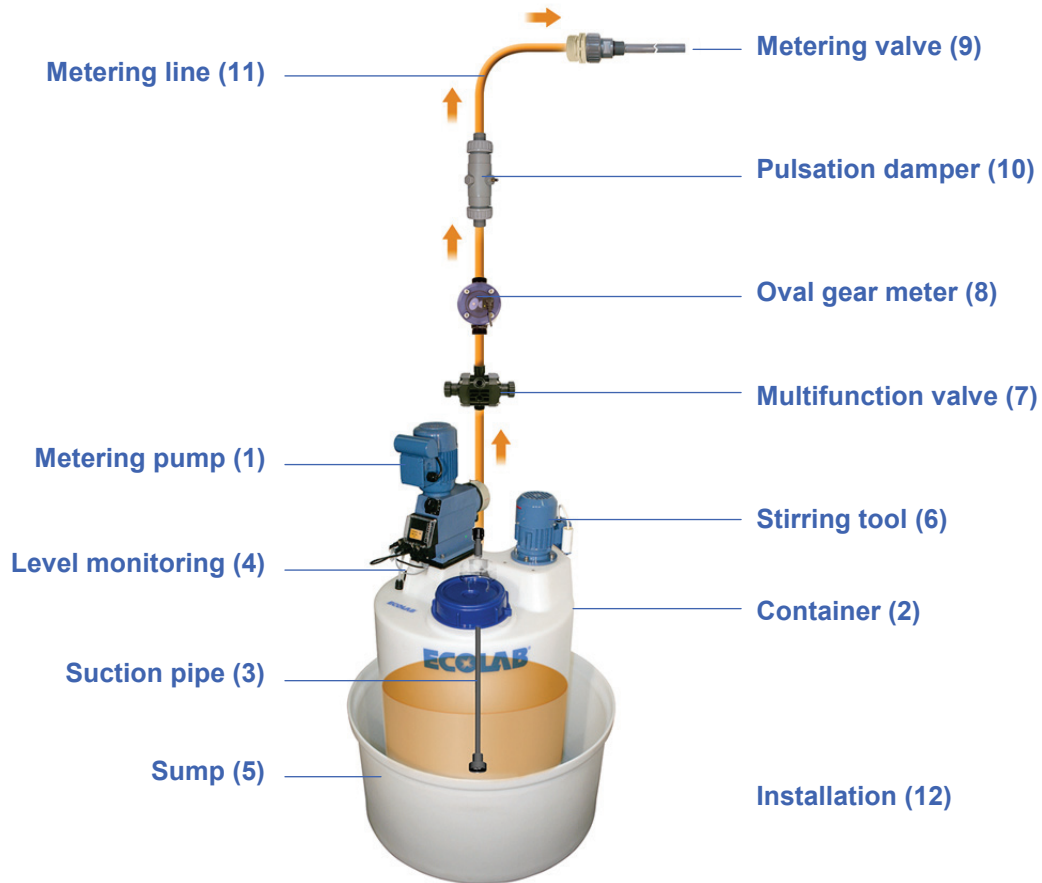
- **Highest level of safety and convenience**
- **With special batch tank**
- **State-of-the-art metering technology, e. g. ELADOS® E60 and oval gear meter OGM^{PLUS} for monitoring and regulating the metering process, multi-function valve and level monitoring**
- **Space-saving sump**
- **Variable metering performance of up to 120 l/h**
- **Easy to configure and adapt to operational requirements thanks to modular design and a wide range of accessories**
- **User-friendly, low-maintenance and cost-effective**



The metering unit with batch tank was developed specifically for industrial water treatment and chemical plant construction for the safe storage and dispensing of liquid chemicals. Particular emphasis was placed on plant safety and ease of use for the operating personnel. Faced with the increasingly stringent provisions of the German Water Resources Act (WHG) and stricter safety guidelines for employee protection, these metering stations offer an economic solution for supplying chemicals that must be metered.

The individual components are easy to combine, which enables the system to be optimally adjusted to meet operational requirements with metering performance levels of up to 120 l/h. Complete metering stations can be assembled quickly and cost-effectively either in advance at the manufacturing plant or, thanks to the system's modular design, on site using individual components.

Overview:



Pos. 1) Diaphragm metering pump*



EMP KKS 0,2 – 1,4 l/h



EMP II 1.4 – 11.2 l/h



EMP III 16 – 120 l/h

Article	Pump code*	Material No.
ELADOS® EMP KKS	E10 00002 PV 10 FP KE PV 99 01 03 – 33 31 PV 99 99 01	147610
	E10 00005 PV 10 FP KE PV 99 01 03 – 33 32 PV 99 99 01	147710
	E10 00009 PV 10 FP KE PV 99 01 03 – 33 32 PV 99 99 01	147810
	E10 00014 PV 10 FP KE PV 99 01 03 – 33 32 PV 99 99 01	147910
ELADOS® EMP KKS	E60 00002 PV 10 FP KE PV 99 17 03 – 33 31 PV 99 99 01	147660
	E60 00005 PV 10 FP KE PV 99 17 03 – 33 32 PV 99 99 01	147760
	E60 00009 PV 10 FP KE PV 99 17 03 – 33 32 PV 99 99 01	147860
	E60 00014 PV 10 FP KE PV 99 17 03 – 33 32 PV 99 99 01	147960

* Pump code legend see chapter **Metering / EMP KKS**.

Article	Pump code*	Material No.
ELADOS® EMP II	E10 V3014 PV 10 FP KE PV 99 01 08 – 21 21 PV 99 99 01	148010
	E10 V3025 PV 10 FP KE PV 99 01 08 – 21 21 PV 99 99 01	148110
	E10 00048 PV 04 FP KE PV 99 01 08 – 21 21 PV 99 99 01	148210
	E10 00043 PV 10 FP KE PV 99 01 03 – 21 21 PV 99 99 01	148310
	E10 00072 PV 06 FP KE PV 99 01 03 – 21 21 PV 99 99 01	148410
	E10 00072 PV 10 FP KE PV 99 01 03 – 21 21 PV 99 99 01	148510
	E10 00112 PV 05 FP KE PV 99 01 03 – 21 21 PV 99 99 01	148610
ELADOS® EMP II	E60 V3014 PV 10 FP KE PV 99 17 08 – 21 21 PV 99 99 01	148060
	E60 V3025 PV 10 FP KE PV 99 17 08 – 21 21 PV 99 99 01	148160
	E60 00048 PV 04 FP KE PV 99 17 08 – 21 21 PV 99 99 01	148260
	E60 00043 PV 10 FP KE PV 99 17 03 – 21 21 PV 99 99 01	148360
	E60 00072 PV 06 FP KE PV 99 17 03 – 21 21 PV 99 99 01	148460
	E60 00072 PV 10 FP KE PV 99 17 03 – 21 21 PV 99 99 01	148560
	E60 00112 PV 05 FP KE PV 99 17 03 – 21 21 PV 99 99 01	148660

* Pump code legend see chapter **Metering / EMP II**.

ELADOS® EMP III	E00 00160 PP 10 FP KE PP 99 99 08 – 50 50 PP 99 99 01	149001
	E00 00250 PP 10 FP KE PP 99 99 08 – 50 50 PP 99 99 01	149101
	E00 00540 PP 10 FP KE PP 99 99 08 – 50 50 PP 99 99 01	149201
	E00 00800 PP 04 FP KE PP 99 99 08 – 07 07 PP 99 99 01	149301
	E00 01200 PP 03 FP KE PP 99 99 08 – 07 07 PP 99 99 01	149401
ELADOS® EMP III	E10 00160 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149010
	E10 00250 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149110
	E10 00540 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149210
	E10 00800 PP 04 FP KE PP 99 01 08 – 07 07 PP 99 99 01	149310
	E10 01200 PP 03 FP KE PP 99 01 08 – 07 07 PP 99 99 01	149410
ELADOS® EMP III	E60 00160 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149560
	E60 00250 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149660
	E60 00540 PP 10 FP KE PP 99 01 08 – 50 50 PP 99 99 01	149760
	E60 00800 PP 04 FP KE PP 99 01 08 – 07 07 PP 99 99 01	149860
	E60 01200 PP 04 FP KE PP 99 01 08 – 07 07 PP 99 99 01	149960

* Pump code legend see chapter **Metering / EMP III**.



Dongle Box

248606

With the add-on unit (Dongle Box) for connection of an OGM^{PLUS} oval gear meter the version E 60 turns to version E 60^{PLUS}.



Article

Material No.

Pos. 2) Metering container

Metering container 40 I, LLDPE Ø 460 mm x height: 490 mm	34124001
Metering container 75 I, LLDPE Ø 460 mm x height: 630 mm	34124002
Metering container 140 I, LLDPE Ø 600 mm x height: 660 mm	34124003
Metering container 200 I, LLDPE Ø 600 mm x height: 880 mm	34124004

Pos. 3) Suction pipe



for 40 I, NW 8, G 3/8, length: 500 mm (for EMP KKS, 0.2 - 1.4 l/h)	on request
for 75 / 140 I, NW 8, G 3/8, length: 640 mm (for EMP KKS, 0.2 - 1.4 l/h)	on request
for 200 I, NW 8, G 3/8, length: 880 mm (for EMP KKS, 0.2 - 1.4 l/h)	on request
for 40 I, NW 8, G 3/8, length: 500 mm (for EMP II, 1.4-11.2 l/h)	241241
for 75 / 140 I, NW 8, G 3/8, length: 640 mm (for EMP II, 1.4-11.2 l/h)	241242
for 200 I, NW 8, G 3/8, length: 880 mm (for EMP II, 1.4-11.2 l/h)	241249
for 75 / 140 I, NW 10, G 5/8, length: 680 mm (for EMP III, 16-25 l/h)	241243
for 200 I, NW 10, G 5/8, length: 920 mm (for EMP III, 16-25 l/h)	241244
for 75 / 140 I, NW 10, G 5/8, length: 680 mm (for EMP III, 54 l/h)	241245
for 200 I, NW 10, G 5/8, length: 920 mm (for EMP III, 54 l/h)	241246
for 75 / 140 I, NW 20, G 1¼, length: 650 mm (for EMP III, 80-120 l/h)	241247
for 200 I, NW 20, G 1¼, length: 905 mm (for EMP III, 80-120 l/h)	241248



Pos. 4) Level monitoring

for 40 I container, Ø 16 mm, length: 435 mm	418264039
for 75 / 140 I container, Ø 16 mm, length: 605 mm	418264040
for 200 I container, Ø 16 mm, length: 805 mm	418264041



Article

Material No.

Pos. 5) Sumps, PE

Ø 500 mm, height: 540 mm
for 40 / 75 l container

419800427

Ø 650 mm, height: 540 mm
for 120 l container

419800428

Ø 655 mm, height: 730 mm
for 200 l container

419800429

Pos. 6) Mixer / stirring tool



Hand mixer PVC
length: 1200 mm (can be cut to length on request)

419800023

Hand mixer for 40 / 75 / 140 l container

on request

Hand mixer for 200 l container

on request



Stirring tool motor 230 V, 0.12 kW, 750 1/min.

415708767

Stirring tool motor 3/PE 400/230V, 0.06 kW, 750 1/min.

415708768

Stirring tool shaft, V4A, d = 11 mm, l = 400 mm

415708763

Stirring tool shaft, V4A, d = 11 mm, l = 550 mm

415708765

Stirring tool shaft, V4A, d = 11 mm, l = 600 mm

415708764

Stirring tool shaft, V4A, d = 11 mm, l = 800 mm

415708766

Mixing propeller 100 PVDF

415708761

Article

Material No.

Pos. 7) Multifunction valve

for EMP II pump (1.4-11.2 l/h):



MFV PV FP 050 G 3/8 – G 5/8 – 21* 249240

MFV PV EP 050 G 3/8 – G 5/8 – 21* 249260

MFV PV FP 100 G 3/8 – G 5/8 – 21* 249241

MFV PV EP 100 G 3/8 – G 5/8 – 21* 249261

for EMP III pump (16-54 l/h):

MFV PV FP 050 G 5/8 – G 5/8 – 06* 249242

MFV PV EP 050 G 5/8 – G 5/8 – 06* 249262

MFV PV FP 100 G 5/8 – G 5/8 – 06* 249243

MFV PV EP 100 G 5/8 – G 5/8 – 06* 249263

for EMP III pump (80-120 l/h):



MFV PV FP 050 G 1¼ – G 5/8 – 07* 249244

MFV PV EP 050 G 1¼ – G 5/8 – 07* 249264

MFV PV FP 100 G 1¼ – G 5/8 – 07* 249245

MFV PV EP 100 G 1¼ – G 5/8 – 07* 249265

* Type key legend see chapter **EMP II / III**

Pos. 8) Oval gear meter



OGM PLUS 00112VCFPPKKE-G1/8i-99-0001 280041
(for EMP 0.9 – 11.2 l/h)

OGM PLUS 00540VCFPPKKE-G1/4i-99-0005 280043
(for EMP III, 16-54 l/h)

OGM PLUS 01200VCFPPKKE-G3/4i-99-0010 280044
(for EMP III, 80-120 l/h)



Connecting adapter OGM 00112 1/8-3/8-PV FP-21 280080

Connecting adapter OGM 00540 1/4-5/8-PV FP-50 280081

Connecting adapter OGM 01200 3/4-5/4-PV FP-07 280082



Article

Material No.

Connection cable 5 m OGM PLUS – Dongle Box E60+

248607

Connection cable 5 m OGM PLUS - SPS

418439006



Wall-mounting bracket for OGM type 00112/00540/01200

280084

Pos. 9) Metering valve*

for EMP KKS pump (0.2 l/h)

on request



for EMP II pump (0.5 - 11.2 l/h):

DVM VC PV FP GL 003 G1/2-G3/8-21

248059

DVM VC PV EP GL 003 G1/2-G3/8-21

248060

DVM PV PV FP GL 007 G1/2-G3/8-21

248061

DVM VC PV FP GL 018 G1/2-G3/8-21

248022

DVM VC PV EP GL 018 G1/2-G3/8-21

248020

DVM PV PV FP GL 018 G1/2-G3/8-38

248023

DVM PV PV EP GL 018 G1/2-G3/8-38

248021



for EMP III pump (16-54 l/h):

DVM VC PV FP GL 009 G1/2-G5/8-37

245037

DVM VC PV EP GL 009 G1/2-G5/8-37

245034

DVM PT PV FP GL 009 G1/2-G5/8-37

245038

Article

Material No.



for EMP III pump (80-120 l/h):

DVO PP PP FP GL 008 G11/4-G11/4-99	250017
DVO PP PP EP GL 008 G11/4-G11/4-99	250018
DVO PV PV FP GL 008 G11/4-G11/4-07	249026
DVO PV PV EP GL 008 G11/4-G11/4-07	249027
Metering pipe PP G3/4 for DVO G 1 1/4	249235
Metering pipe PV G3/4 for DVO G 1 1/4	249236

* Type key legend see chapter **EMP II / III**



Pos. 10) Pulsation damper

PDS 080 D16 PP/Hypalon (for EMP up to 54 l/h)	415503009
PDS 080 D16 PP/Viton (for EMP up to 54 l/h)	415503010
PDS 250 D25 PP/Hypalon (for EMP III 80-120 l/h)	415503005
PDS 250 D25 PP/Viton (for EMP III 80-120 l/h)	415503006

Pos. 11) Metering lines

for EMP KKS pump (0.2 l/h):

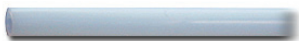


pipe da6x1(2/4) PE	417100291
pipe da6x1(2/4) PTFE	417100209

for EMP KKS / II pump (0.5 - 11.2 l/h):



pipe da6x1(4/6) PE	417400301
pipe da8x1(6/8) PE	417400310
pipe da6x1(4/6) PTFE	417400215
pipe da8x1(6/8) PTFE	417400224



for EMP III pump (16 - 54 l/h):



hose di6x3 (6/12) PVC-fabric	417400123
hose di10x3 (10/16) PVC-fabric	417400126



PE-X pipe Raupex D 8/12	417400361
PE-X pipe Raupex D 8/12	417400363



Article

Material No.

for EMP III pump (80-120 l/h):

hose di12x4.5 (12/21) PVC-fabric	417400127
hose di19x4 (19/27) PVC-fabric	417400131
PE-X pipe Raupex D12/16	417400362

Note: We explicitly point out that PVC fabric tubes have a limited lifetime if alkaline chemicals will be used. To avoid damage for your staff and your company the tubes have to be exchanged at least every 6 months. In case of non-compliance we exclude all kinds of liability and responsibility.



Screw connection for PEX pipe

Screw on connection PP G5/8"i - PEX 8/12	207724
Screw on connection PP G5/8"i - PEX 12/16	207728
Screw on connection PVDF G5/8"i - PEX 8/12	207714
Screw on connection PVDF G5/8"i - PEX 12/16	207729
Screw on connection PP G11/4"i - PEX 8/12	250093
Screw on connection PP G11/4"i - PEX 12/16	250099
Screw on connection PVDF G11/4"i - PEX 8/12	250075
Screw on connection PVDF G11/4"i - PEX 12/16	250076

Pos. 12) Installation incl. small parts



Installation of pump, suction pipe, level monitoring incl. electrical connection

Hand mixer installation

Stirring tool installation