

APPLICATION

Metering, injection (metering units) of liquid chemicals, solutions, suspensions, acids, lyes etc. for a defined dosing, continually, in batches or by means of a computer.



The metering pumps correspond upon request to ATEX Directive 2014/34/EU for application in hazardous areas.

CONSTRUCTION FEATURES

Plunger or diaphragm pumps (PIM EM hydraulically driven / PIM E ZM mechanically driven) with continuously adjustable capacity. Adjustment during operation or at standstill. Exact reading scale divided in %. Problem free oilbath lubrication.

Low maintenance requirements, the pump units are constructed in building-block principle, easy to disassemble and to combine. Pump heads according to application purpose, (alternatively maintenance-free plunger sealings, stuffing box with or without intermediate flushing or diaphragm design without stuffing box), made of plastic, teflon, stainless steel etc. Standard ball valves without springs or special valves suitable for difficult mediums.

Stroke length adjustment by hand or by means of an electrical servo motor (remote control). Speed adjustment by mechanical variator, direct current motor with thyristor control or three-phase current motor with frequency converter.

TECHNICAL DATA

Prinzip: adjustment of eccentric shaft by eccentric

Number of strokes: 50, 100 or 150 strokes/min

Type of adjustment: linear, with micrometer-screw or electrical motor

Stroke length: continuously adjustable from 0 to 100%

Scale calibration: exact indicator scale from 0 to 100%

Valves: automatic closing, design according to medium

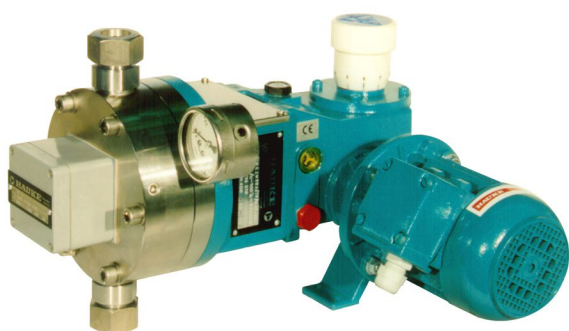
Gear: silent heavy-duty reduction gear, totally enclosed gear box, oilbath lubrication

Drive: three-phase motor 0,18 or 0,25 kW

Combinations: horizontal mounting of metering units with single drive; combinable also with other gear sizes (multiple head units).



PIM E plunger-metering-pump with stroke adjustment by hand design according to ATEX Directive 2014/34/EU



PIM E ZM diaphragm-metering-pump with diaphragm rupture device and electrical heating

TYPE-SELECTION-CHART

Metering pump Type PIM E and PIM EM			
0 - max. litre/h with 0,25 kW motor			
50 min ⁻¹	100 min ⁻¹	150 min ⁻¹	0-max. bar
0,25	0,5	0,75	500
1	2	3	301
2	5	7	133
4	9	13	74
7	14	21	46
10	20	30	32
12	25	35	25
19	35	55	15
22	45	65	13
28	55	80	10
35	75	110	7
50	100	150	5
70	140	210	3
95	180	280	2
Mechanically diaphragm pump Type PIM E ZM			
0 - max. litre/h			
50 min ⁻¹ /0,18 kW	100min ⁻¹ /0,18 kW	150min ⁻¹ /0,25 kW	0-max. bar
15	30	45	18
30	60	90	15
60	120	180	10

The complete HAUKE Type-Program provides metering pumps from 0,25 up to 70000 l/h per pump head.

Subject to change without notice !

Homepage <http://www.hauke.at>