

APPLICATION

Metering at high working pressures and large discharge capacities, precise 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.

APPLICATION IN

the chemical industry, petro-chemistry, synthetics industry, detergent industry, paper industry, food and beverage industry, water industry, steam power plants,



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

CONSTRUCTION FEATURES

Precision-Plunger or diaphragm pumps with continuously adjustable capacity. Adjustment during operation and at standstill. Low maintenance requirements. The pump heads are according to their application either equipped with 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 or pneumatic 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

Prinziple: adjustment of eccentric shaft by eccentric

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

Type of adjustment: linear, with hand wheel or electrical /pneumatical 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 1,5 or 2,2 kW

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



PIM K plunger-metering-pump with stroke adjustment by hand-wheel and with stuffing box and lantern ring



PIM KM hydraulic diaphragm-metering-pump with PTFE diaphragm and diaphragm rupture device

TYPE-SELECTION-CHART

50 min ⁻¹	100 min ⁻¹	150 min ⁻¹	0-max. bar
0-max. l/h with 1,5 kW	0-max. l/h with 2,2 kW	0-max. l/h with 2,2 kW	
3	6	9	2703
7	14	21	1200
12	25	35	674
20	40	60	431
29	55	85	299
35	70	100	242
55	110	160	154
65	130	190	132
80	160	240	106
100	210	320	78
140	280	430	59
200	410	600	40
270	500	800	30
360	700	1100	22
430	850	1300	18
550	1100	1700	13
800	1600	2400	9
950	1900	2900	7
1100	2300	3500	6
1400	2800	4200	4
1700	3500	5200	3

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>