

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.

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.



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



3-headed PIM LM hydraulic diaphragm-metering-pump with diaphragms made of stainless steel

TECHNICAL DATA

Prinziple: adjustment of eccentric shaft by eccentric

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

Type of adjustment: linear, with micrometer-screw 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 0,37 or 0,55 kW

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

TYPE-SELECTION-CHART

50 strokes/min		100 strokes/min			150 strokes/min			
0-max. l/h	0 - max. bar		0-max. l/h	0 - max. bar		0-max. l/h	0 - max. bar	
	0,37 kW	0,55 kW		0,37 kW	0,55 kW		0,37 kW	0,55 kW
2	644	644	4	342	644	7	214	634
5	285	285	10	151	285	16	94	281
9	159	159	19	84	159	29	52	157
15	101	101	30	53	101	45	33	100
21	70	70	40	36	70	65	22	69
26	56	56	50	29	56	80	17	56
40	35	35	80	18	35	120	11	35
45	30	30	95	15	30	140	9	29
60	24	24	120	12	24	180	7	24
80	17	17	160	8	17	240	4	17
100	13	13	210	6	13	320	3	12
150	8	8	310	3	8	460	1	8
200	6	6	400	2	6	600	-	6
270	4	4	550	1	4	800	-	4

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

Subject to change without notice !

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