

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 EC regulation 94/9/EG 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 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 0,75/1,1 or 1,5 kW

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



PIM P plunger-metering-pump with stroke adjustment by hand design according to regulation 94/9/EG (ATEX 100a)



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

TYPE-SELECTION-CHART

0-max. l/h	50 strokes/min		100 strokes/min			150 strokes/min		
	0 - max. bar 0,75 kW	1,1 kW	0-max. l/h	0 - max. bar 1,1 kW	1,5 kW	0-max. l/h	0 - max. bar 1,1 kW	1,5 kW
3	1269	1674	6	1502	1674	9	1007	1674
7	563	743	14	666	743	21	446	743
12	316	417	25	374	417	35	250	417
20	201	266	40	239	266	60	159	266
29	139	184	55	165	184	85	110	184
35	112	149	70	133	149	100	89	149
55	71	95	110	85	95	160	56	95
65	61	81	130	72	81	190	48	81
80	49	65	160	58	65	240	38	65
100	35	47	210	42	47	320	28	47
140	27	36	280	32	36	430	21	36
200	18	24	410	22	24	600	14	24
270	13	18	500	16	18	800	10	18
360	9	13	700	11	13	1100	7	13
430	7	10	850	9	10	1300	6	10
550	5	8	1100	7	8	1700	4	8
800	3	5	1600	4	5	2400	2	5
950	2	4	1900	3	4	2900	1	4
1100	2	3	2300	2	3	3500	1	3
1400	1	2	2800	2	2	4200	-	2
1700	-	1	3500	1	1	5200	-	1

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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