

## 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 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 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

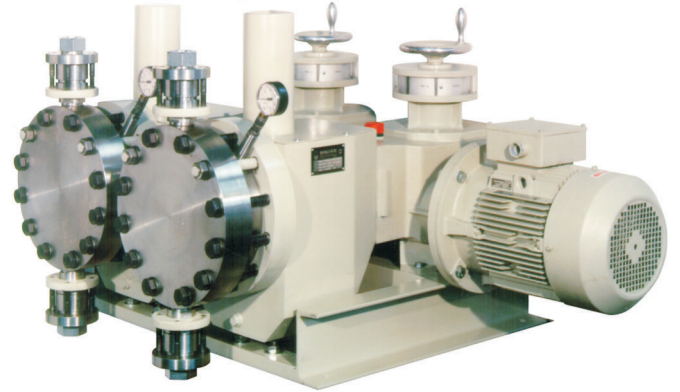
**Gear:** silent heavy-duty reduction gear, totally enclosed gear box, oilbath lubrication

**Drive:** three-phase motor 1,5/2,2/3/4 or 5,5 kW

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



2-headed PIM M plunger-metering-pump with stroke adjustment by hand-wheels and with stuffing boxes and lantern rings



2-headed PIM MM hydraulic diaphragm-metering-pump with PTFE diaphragms and diaphragm rupture devices

## TYPE-SELECTION-CHART

0-max. l/h	50 strokes/min		100 strokes/min		150 strokes/min			
	0 - max. bar 1,5 kW	2,2 kW	0-max. l/h	0 - max. bar 3 kW	4 kW	0-max. l/h	0 - max. bar 4 kW	5,5 kW
4	2686	2918	8	2918	2918	12	2918	2918
9	1193	2268	18	1985	2268	27	1939	2268
16	670	1275	30	1116	1275	45	1090	1275
25	428	815	50	713	815	75	697	815
35	297	566	70	495	566	100	483	566
40	240	458	85	400	458	130	391	458
70	153	292	140	256	292	210	250	292
80	131	250	160	219	250	240	214	250
100	106	202	200	177	202	300	173	202
130	77	148	270	129	148	410	126	148
170	59	113	350	99	113	500	96	113
250	40	78	500	68	78	750	66	78
330	30	59	650	51	59	1000	50	59
450	22	43	900	37	43	1300	37	43
500	18	36	1000	31	36	1600	30	36
700	13	27	1400	23	27	2100	23	27
1000	9	19	2000	16	19	3000	16	19
1200	7	15	2400	13	15	3700	12	15
1400	5	12	2900	10	12	4400	10	12
1700	4	10	3500	8	10	5200	8	10
2100	3	8	4300	6	8	6500	6	8
2500	2	6	5000	5	6	7500	5	6
2800	2	5	5700	4	5	8600	4	5

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>

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