



HIGH-CAPACITY PISTON DIAPHRAGM DOSING PUMP ACCORDING TO API 675*

Features

- Hydraulic piston diaphragm dosing pump for industrial applications, up to 200 bar
- Precise hydraulic phase control with adjustment knob and vernier scale
- High dosing accuracy and linear dosing curve
- Full-PTFE diaphragm with active diaphragm protection valve
- Integrated pressure relief valve and hydraulic chamber degassing valve
- Dosing head, valves and flanges made of stainless steel EN 1.4571 (AISI 316Ti)
- Axially fixed suction and discharge valves
- ANSI flange connections: RF 150 on suction side, RJT 1500 on pressure side
- Motors with various voltages/frequencies, EEx de motors, special motors for high ambient temperatures and relative humidity
- Pump with ATEX certificate
- Enclosure material grey cast iron

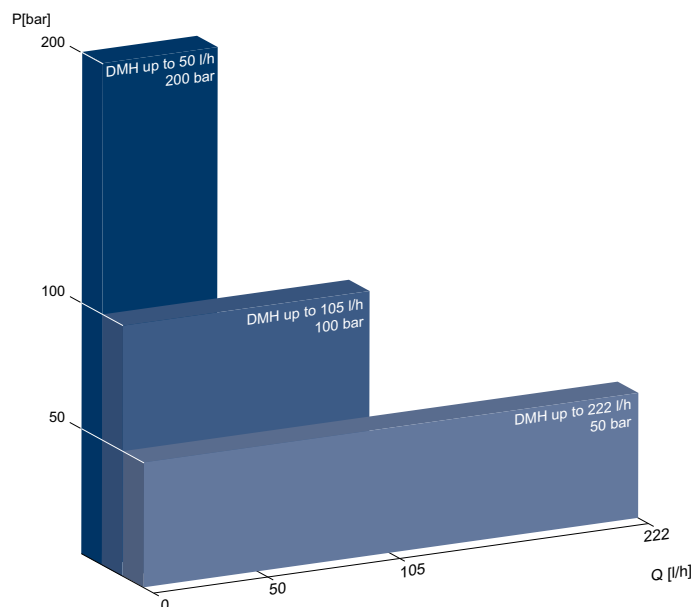
Double-head pump



Control variants

- Manual stroke length adjustment
- Electric servomotor for automatic stroke length adjustment, optionally with inputs and outputs for analog signal
- PTC motor for frequency control
- Inductive stroke sensor for batch dosing

Performance ranges



* For deviations, please see the list of deviations (API Compliance certificate)

Technical data

See the list of deviations in the API 675 Compliance certificate, please.

Pump type	Stroke volume [ml]	Max. counter-pressure [bar]	50 Hz		60 Hz		100 Hz		Motor power		Connection ANSI flange
			Max flow ¹⁾ [l/h]	Stroke frequency [n/min]	Max-flow ¹⁾ [l/h]	Stroke frequency [n/min]	Max. flow ¹⁾ [l/h]	Stroke frequency [n/min]	Standard [kW]	PTC ²⁾ [kW]	
DMH 85-50	25.3	50	85	56	102	67.2	170	112	1.1	1.5	3/4"
DMH 111-50	25.3	50	111	73	133	87.6	222	146	1.1	1.5	3/4"
DMH 170-50	25.3	50	170	112	204	134	-	-	1.1	-	3/4"
DMH 222-50	25.3	50	222	146	-	-	-	-	1.1	-	3/4"
DMH 2-100	1.1	100	2	29	2.4	35	4	58	0.18	0.18	1/2"
DMH 4.2-100	1.1	100	4.2	63	5	76	8.2	126	0.18	0.18	1/2"
DMH 6.4-100	1.1	100	6.4	96	7.7	115	-	-	0.18	-	1/2"
DMH 8-100	1.1	100	8	120	9.6	144	-	-	0.18	-	1/2"
DMH 9.6-100	1.1	100	9.6	144	-	-	-	-	0.18	-	1/2"
DMH 10-100	6	100	10	27	12	32	20	54	0.55	0.55	3/4"
DMH 19-100	6	100	19	54	23	65	38	108	0.55	0.55	3/4"
DMH 20-100	12	100	20	28	24	34	40	56	1.1	1.5	3/4"
DMH 27-100	6	100	27	75	32	90	54	150	0.55	0.55	3/4"
DMH 33-100	6	100	33	92	40	110	-	-	0.55	-	3/4"
DMH 40-100	6	100	40	112	48	134	-	-	0.55	-	3/4"
DMH 52-100	12	100	52	73	63	88	105	146	1.1	1.5	3/4"
DMH 55-100	6	100	55	153	-	-	-	-	0.55	-	3/4"
DMH 70-100	12	100	70	98	84	118	-	-	1.1	-	3/4"
DMH 80-100	12	100	80	112	96	134	-	-	1.1	-	3/4"
DMH 105-100	12	100	105	146	-	-	-	-	1.1	-	3/4"
DMH 3.3-200	2.33	200	3.6	26	4.3	31	7	52	0.55	0.55	1/2"
DMH 7.5-200	2.33	200	7.5	54	9	65	15	108	0.55	0.55	1/2"
DMH 9-200	6	200	9	28	11	34	18	56	1.1	1.5	1/2"
DMH 10-200	2.33	200	10.4	75	12.5	90	21	150	0.55	0.55	1/2"
DMH 13-200	2.33	200	12.8	92	15.4	118	-	-	0.55	-	1/2"
DMH 15-200	2.33	200	15.5	112	18.6	134	-	-	0.55	-	1/2"
DMH 18-200	6	200	18	56	22	67	36	112	1.1	1.5	1/2"
DMH 21-200	2.33	200	21	153	-	-	-	-	0.55	-	1/2"
DMH 23-200	6	200	23	73	28	88	46	146	1.1	1.5	1/2"
DMH 31-200	6	200	31	98	37	118	-	-	1.1	-	1/2"
DMH 36-200	6	200	36	112	43	134	-	-	1.1	-	1/2"
DMH 50-200	6	200	50	146	-	-	-	-	1.1	-	1/2"

1) The maximum flow is measured at maximum counterpressure.

Maximum flow is counted per dosing head (pumps with two dosing heads have twice the flow rate)

2) PTC motor frequency control (100 Hz)