Pumpmeister PM





Piston pumps

Field of application
– Water supply
– Agriculture
– Rainwater utilisation
– Industry
– Shipping

Design
Pumpmeister:
Piston pump completely assembled with electrically isolated motor drawn rocker, electric motor, V-belt , V-belt pulley and guard, membrane safety valve (type tested), poppet valve and base plate.

Domestic waterwork with horizontal pressure vessel:
Pumpmeister piston pump with built-in membrane safety valve (type tested), electric motor, galvanised pressure vessel, pre-programmed pressure switch, pressure gauge, ventilation machine and completely closed belt guard made from plastic for your safety.

Motor
Protection class ..... IP 55
Class of insulation ..... F
Voltage ..... 3~ 400/230 V 10 %
Motor speed ..... 1450 rpm
Frequency ..... 50 Hz

Technical data
Flow rate ..... Q max. 3 m³/h
Total dynamic head ..... H max. 60 m
Vessel operating pressure, normal/max. ..... 4/6 bar

Pumped fluid
Pure, cold water as well as fluids which don't chemically and mechanically attack the pump materials.

Materials used
Housing ..... GG 20
Crank shaft ..... steel, drop-forged
Crosshead ..... precision ground
Piston rod ..... stainless steel, rolled
Cylinder liner ..... brass/stainless steel
Dual piston ..... Simrit
Valve ..... brass

Type key
PM 15/200
PM ..... pump type
15 ..... pump size
200 ..... vessel volume

Special editions
– Saline water
– Higher performances

Pumpmeister PM

Technical data

Type	Inlet connection (Rp)	Outlet connection (Rp)	Flow rate (m^3/h)	Operating pressure normal/max. (bar)	Cut-out pressure normal/max. (bar)	Power output P_2 (kW) 4 bar/6 bar	Weight with/without motor, 4 bar (kg)
Pumpmeister PM 10	1	1	1.00	4/6	3.5/5.5	0.25/0.37	23.00/28.00
Pumpmeister PM 15	1	1	1.50	4/6	3.5/5.5	0.37/0.55	24.00/31.00
Pumpmeister PM 20	1 ¼	1	2.00	4/6	3.5/5.5	0.37/0.55	33.00/40.00
Pumpmeister PM 30	1 ¼	1 ¼	3.00	4/6	3.5/5.5	0.55/0.75	55.00/64.00

Type	Vessel volume (l)	Flow rate (m^3/h)	Power output P_2 (kW) 3~ 400V 4 bar/6 bar	Space requirement L x B x H (cm)	Weight (kg)
Domestic waterwork PM 10	150	1.00	0.25/0.37	105 x 45 x (84)*	70.00
Domestic waterwork PM 15	150	1.50	0.37/0.55	105 x 45 x (89)*	71.00
Domestic waterwork PM 15	200	1.50	0.37/0.55	107 x 50 x (94)*	83.00
Domestic waterwork PM 20	200	2.00	0.37/0.55	107 x 50 x (95)*	92.00

* 6 bar design on request.

Motor data

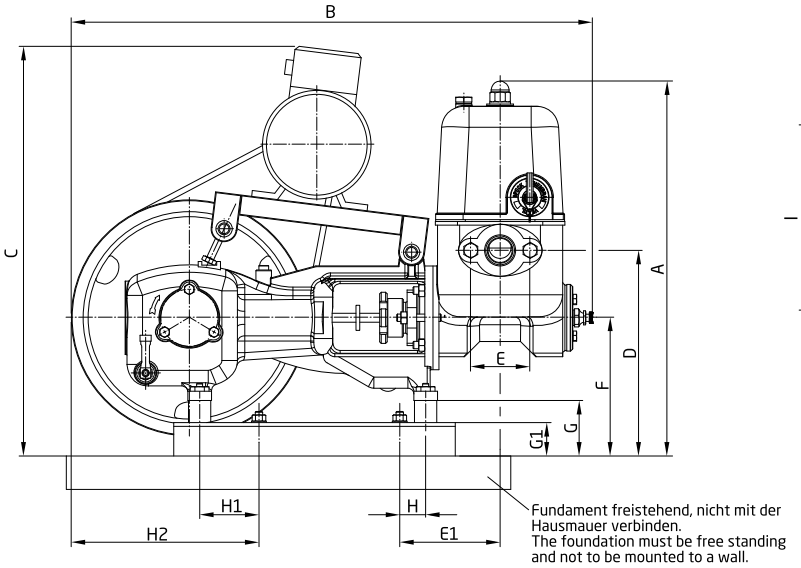
P_2 [kW]	0.25	0.37	0.55	0.75
I_N [A]..... 3~ 230/400V	1.40/0.80	1.85/1.05	2.40/1.39	3.05/1.75

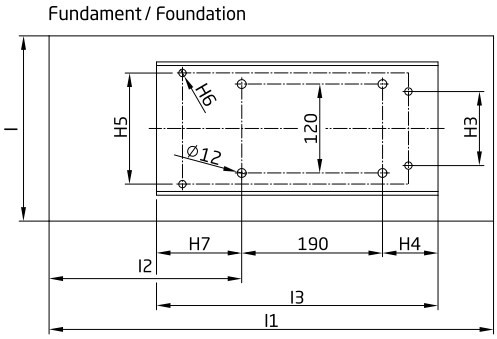
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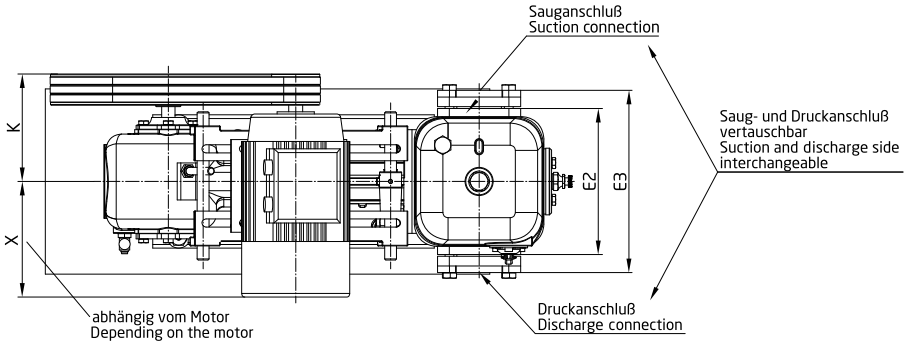
Type	Article no.
Pumpmeister PM 10, 3~, 4 bar, 0.25 kW	410.1000.007
Pumpmeister PM 10, 3~, 6 bar, 0.37 kW	410.1000.607
Pumpmeister PM 15, 3~, 4 bar, 0.37 kW	410.1500.007
Pumpmeister PM 15, 3~, 6 bar, 0.55 kW	410.1500.607
Pumpmeister PM 20, 3~, 4 bar, 0.37 kW	410.2000.007
Pumpmeister PM 20, 3~, 6 bar, 0.55 kW	410.2000.607
Pumpmeister PM 30, 3~, 4 bar, 0.55 kW	410.3000.007
Pumpmeister PM 30, 3~, 6 bar, 0.75 kW	410.3000.607
Domestic waterwork PM 10 (150 l), 3~, 4 bar, 0.25 kW	410.1015.007
Domestic waterwork PM 15 (150 l), 3~, 4 bar, 0.37 kW	410.1515.007
Domestic waterwork PM 15 (200 l), 3~, 4 bar, 0.37 kW	410.1520.007
Domestic waterwork PM 20 (200 l), 3~, 4 bar, 0.37 kW	410.2020.007
Domestic waterwork PM 10 (150 l), 3~, 6 bar, 0.37 kW	410.1015.617
Domestic waterwork PM 15 (150 l), 3~, 6 bar, 0.55 kW	410.1515.617
Domestic waterwork PM 15 (200 l), 3~, 6 bar, 0.55 kW	410.1520.617
Domestic waterwork PM 20 (200 l), 3~, 6 bar, 0.55 kW	410.2020.617

Pumpmeister PM

Dimensions







Pump

Type	A	B	C	D	E	E1	E2	E3	F	K	DNS	DND
PM 10	358	526	*	201	54	123.5	155	196	136	110	G1	G1
PM 15	383	525	*	194	70	122	155	200	136	110	G1	G1
PM 20	416	620	*	209	70	121	170	215	140	130	G1 ¼	G1
PM 30	510	690	*	275	80	135	195	240	185	145	G1 ¼	G1 ¼

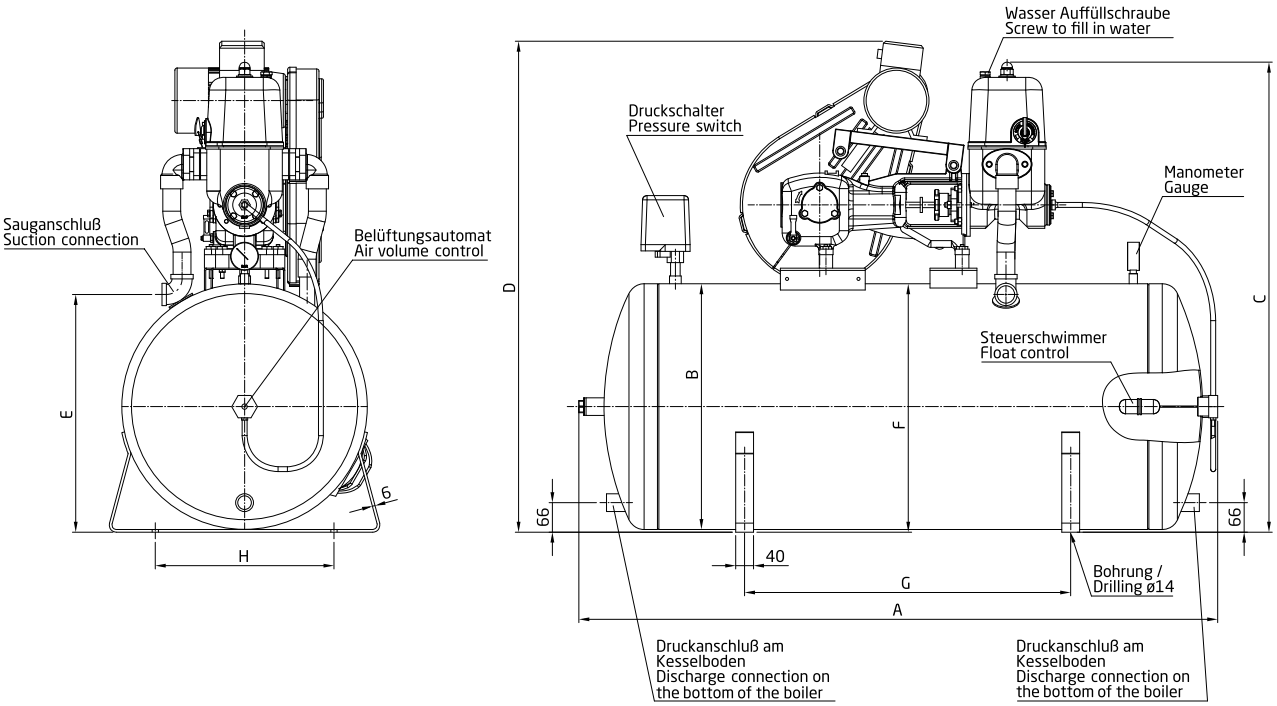
***) C depends on the motor**
Dimensions for 6 bar design on request.

Foundations

Type	G	G1	H	H1	H2	H3	H4	H5	H6	H7	I	I1	I2	I3
PM 10	70	40	40	35	105	90	60	110	Ø7	60	250	450	130	310
PM 15	70	40	40	35	105	90	60	110	Ø7	60	250	450	130	310
PM 20	70	40	23	70	192,5	92,5	55	140	Ø7	115	270	520	220	360
PM 30	75	45	35	80	260	100	75	150	Ø12	115	320	600	290	380

Pumpmeister PM

Dimensions



Domestic waterwork

Kesselinhalt			PM 10	PM 15	PM 20							
Liter	**A**	**B**	**C**	**C**	**C**	**D**	**E**	**F**	**Gv**	**H**	**DNS**	**DND**
150	1110	450	830	826	860	*	440	460	600	300	G1	G1
200	1230	500	880	876	910	*	500	510	600	350	G1 ¼	G1

***) D depends on the motor**

Dimensions for 6 bar design on request.

Büffelpumpe BS





Piston pumps

Field of application
- Water supply
- Agriculture
- Rainwater utilisation
- Industry
- Shipping

Design
Pumpmeister:
Piston pump completely assembled with electrically isolated motor drawn rocker, electric motor, V-belt , V-belt pulley and guard, membrane safety valve (type tested) and poppet valve.

Domestic waterwork with horizontal pressure vessel:
Büffel piston pump with built-in membrane safety valve (type tested), electric motor, galvanised pressure vessel, pre-programmed pressure switch, pressure gauge, ventilation machine and completely closed belt guard made from plastic for your safety.

Motor
Protection class	IP 55
Class of insulation	F
Voltage	3~ 400/230 V ± 10 %
Motor speed	1450 rpm
Frequency	50 Hz

Technical data
Flow rate	Q max. 3 m³/h
Total dynamic head	H max. 60 m
Vessel operating pressure, normal/max.	4/6 bar

Pumped fluid
Pure, cold water as well as fluids which don't chemically and mechanically attack the pump materials.

Materials used
Housing	GG 20
Crank shaft	steel, drop-forged
Crosshead	precision ground
Piston rod	stainless steel, rolled
Cylinder liner	brass/stainless steel
Dual piston	Simrit
Valve	brass

Type key
BS 25/200

BS	pump type
25	pump size
200	vessel volume

Special editions
- Saline water
- Higher performances

Büffelpumpe BS

Technical data

Type	Inlet connection (Rp)	Outlet connection (Rp)	Flow rate (m^3/h)	Operating pressure normal/max. (bar)	Cut-out pressure normal/max. (bar)	Power output P_2 (kW) 4 bar/6 bar	Weight with/without motor, 4 bar (kg)
Büffelpumpe BS 15	1	1	1.50	4/6	3.5/5.5	0.37/0.55	28.00/35.00
Büffelpumpe BS 25	1 ¼	1	2.50	4/6	3.5/5.5	0.55/0.75	46.00/55.00
Büffelpumpe BS 40	1 ½	1 ¼	4.00	4/6	3.5/5.5	0.75/1.10	66.00/80.00
Büffelpumpe BS 50	2	1 ½	5.00	4/6	3.5/5.5	1.10/1.50	90.00/106.00

Type	Vessel volume (l)	Flow rate (m^3/h)	Power output P_2 (kW) 3~ 400V 4 bar/6 bar	Space requirement L x B x H (cm)	Weight (kg)
Domestic waterwork BS 15	150	1.50	0.37/0.55	105 x 45 x (84)*	75.00
Domestic waterwork BS 15	200	1.50	0.37/0.55	107 x 50 x (85)*	87.00
Domestic waterwork BS 25	200	2.50	0.55/0.75	107 x 50 x (100)*	105.00

* 6 bar design on request.

Motor data

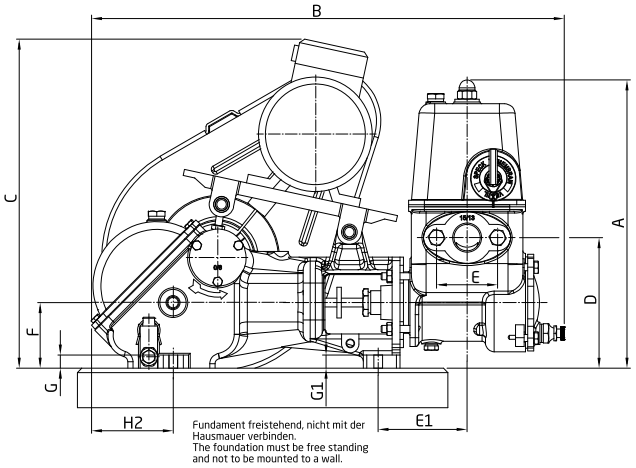
P_2 [kW]	0.37	0.55	0.75	1.10	1.50
I_N [A]..... 3~ 230/400V	1.85/1.05	2.40/1.39	3.05/1.75	4.25/2.40	5.60/3.15

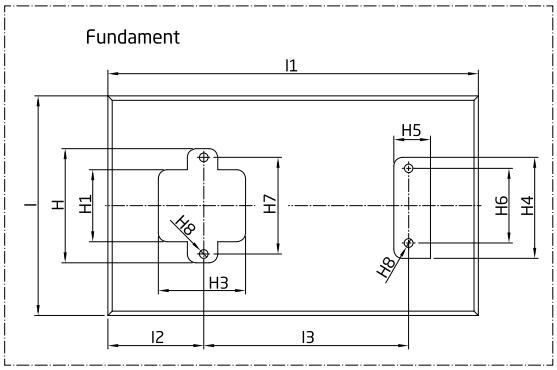
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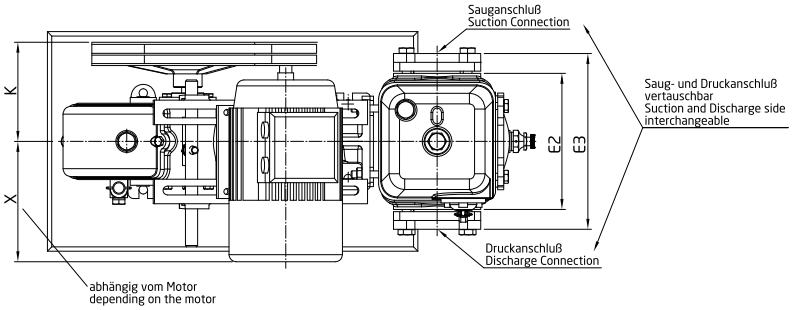
Type	Article no.
Büffelpumpe BS 15, 3~, 4 bar, 0.37 kW	420.1500.007
Büffelpumpe BS 15, 3~, 6 bar, 0.55 kW	420.1500.607
Büffelpumpe BS 25, 3~, 4 bar, 0.55 kW	420.2500.007
Büffelpumpe BS 25, 3~, 6 bar, 0.75 kW	420.2500.607
Büffelpumpe BS 40, 3~, 4 bar, 0.75 kW	420.4000.007
Büffelpumpe BS 40, 3~, 6 bar, 1.10 kW	420.4000.607
Büffelpumpe BS 50, 3~, 4 bar, 1.10 kW	420.5000.007
Büffelpumpe BS 50, 3~, 6 bar, 1.50 kW	420.5000.607
Domestic waterwork BS 15 (150 l), 3~, 4 bar	420.1515.007
Domestic waterwork BS 15 (200 l), 3~, 4 bar	420.1520.007
Domestic waterwork BS 25 (200 l), 3~, 4 bar	420.2520.007
Domestic waterwork BS 15 (150 l), 3~, 6 bar	420.1515.617
Domestic waterwork BS 15 (200 l), 3~, 6 bar	420.1520.617
Domestic waterwork BS 25 (200 l), 3~, 6 bar	420.2520.617

Büffelpumpe BS

Dimensions







Pump

Type	A	B	C	D	E	E1	E2	E3	F	K	DNS	DND
BS 15	329	545	*	149	70	105	155	200	75	113	G1	G1
BS 25	377	667	*	192	70	119	170	215	94	121	G1¼	G1
BS 40	417	771	*	208	80	148	190	239	104	135	G1½	G1¼
BS 50	460	860	*	246	85	171.5	226	281	123	160	G2	G1½

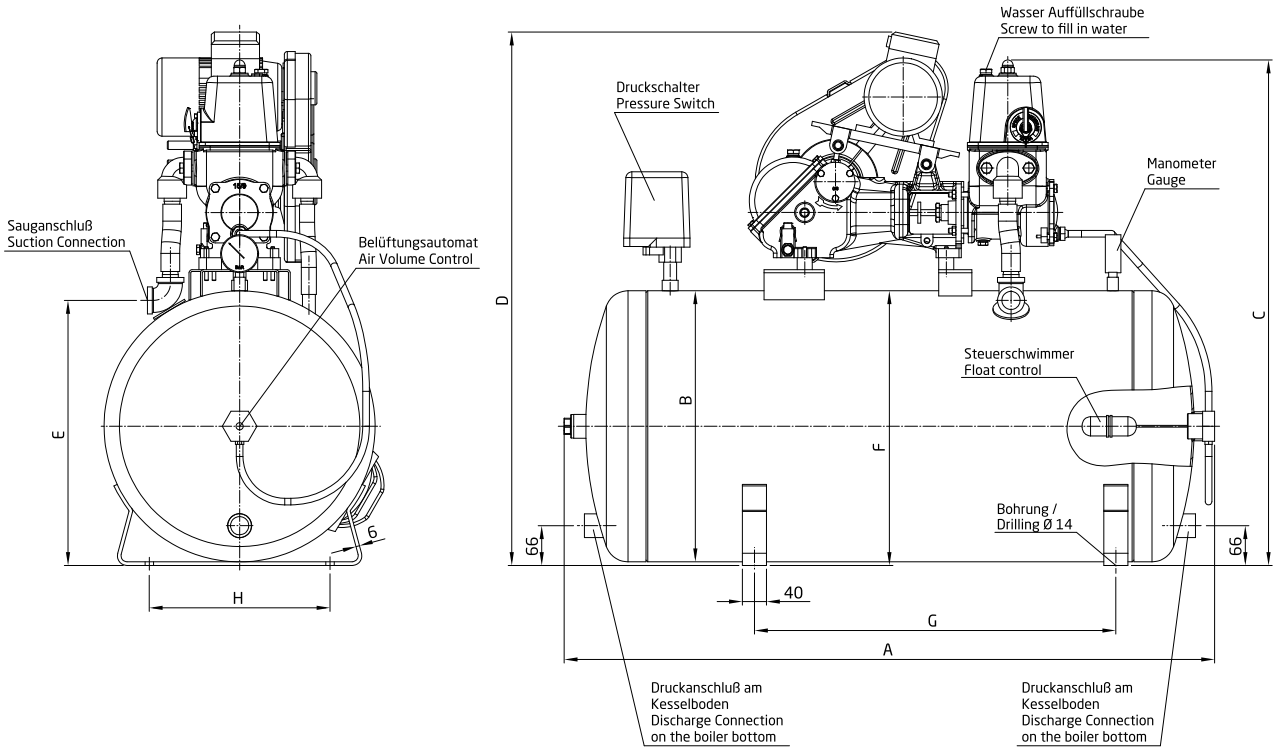
***) C depends on the motor**
Dimensions for 6 bar design on request.

Foundations

Type	G	G1	H	H1	H2	H3	H4	H5	H6	H7	H8	I	I1	I2	I3
BS 15	15	15	130	82	95	100	110	42	85	110	10	250	425	110	235
BS 25	16	16	148	94	121	130	135	48	108	120	12	300	550	170	307
BS 40	20	16	175	114	149	160	117	70	90	140	14	300	600	180	335
BS 50	19	19	200	100	163	190	130	90	95	165	14	350	650	180	380

Büffelpumpe BS

Dimensions



Domestic waterwork

Vessel volume			BS 15	BS 25							
Litre	**A**	**B**	**C**	**C**	**D**	**E**	**F**	**G**	**H**	**DNS**	**DND**
150	1110	450	842		*	440	460	600	300	G 1	G 1
200	1230	500	892	949	*	500	510	600	350	G 1 ¼	G 1

***) D depends on the motor**

Dimensions for 6 bar design on request.