

# Diaphragm Metering Pump ProMinent EXtronic®

Precise metering with explosion protection

ProMinent®



## Capacity range of single head pump: 1 – 60 l/h; 25 – 1 bar

The ATEX-compliant diaphragm metering pump EXtronic® (EXBb) is tested and approved in line with EN 60079/-1 for the ignition type "compression-resistant enclosures" and thus offers the maximum level of protection. The short-stroke

solenoid and the complete pump control are integrated in the pump housing so that, together with the explosion-proof power end, there is IP 65 protection against contact and moisture as per EN 60529 even when the front cover is open.

## Your benefits

Optimum adaptation for use in areas at risk from explosion

- ATEX-compliant in line with EExd IIC T6 and EExd I/IIC T6
- Excellent operating and functional reliability by a microprocessor controller, which compensates for fluctuations in mains voltage and automatically switches from 50 to 60 Hz operation

- Broad range of applications due to operating voltages of 230 V, 115 V, special voltage on request
- Ease of integration into processes, thanks to the range of control types (internal, external contact, analogue)
- Also suitable for use with gaseous media, thanks to the self-bleeding head

## Field of application

- Oil, gas and petrochemicals
- Mining
- For use in areas at risk of gases and vapours
- Use in mines at risk from firedamp

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## Technical Data

Type EXBb	Delivery rate at max. back pressure			Delivery rate at medium back pressure			Stroke rate Strokes/min	oØ x iØ mm	Suction lift m WC	Shipping weight PP,NP,TT-SS kg
	bar	l/h	ml/stroke	bar	l/h	ml/stroke				
<b>EXBb</b>										
1000	10	0.19	0.03	5	0.27	0.04	120	6 x 4	1.5	12
2501	25	1.14	0.15	20	1.10	0.17	120	6 x 4	5.0	–
1601	16	1.00	0.15	8	1.30	0.18	120	6 x 4	5.0	12
1201	12	1.70	0.23	6	2.00	0.28	120	6 x 4	5.0	12
0803	8	3.70	0.51	4	3.90	0.54	120	6 x 4	3.0	12
1002	10	2.30	0.31	5	2.70	0.38	120	8 x 5	5.0	12
0308	3	8.60	1.20	1	10.30	1.43	120	8 x 5	5.0	12
2502	25	2.00	0.28	20	2.20	0.31	120	8 x 5	5.0	13
1006	10	6.00	0.83	5	7.20	1.00	120	8 x 5	5.0	13
0613	6	13.10	1.82	3	14.90	2.07	120	8 x 5	5.5	13
0417	3	17.40	2.42	2	17.90	2.49	120	12 x 9	4.5	13
2505	25	4.20	0.64	20	4.80	0.73	110	8 x 5	5.0	16
1310	13	10.50	1.59	6	11.90	1.80	110	8 x 5	5.0	16
0814	8	14.00	2.12	4	15.40	2.33	110	12 x 9	5.0	16
0430	3	27.00	4.09	2	29.50	4.47	110	DN 10	5.0	16
0260	1	60.00	9.09	–	–	–	110	DN 15	1.5	16
<b>EXtronic® metering pumps for high viscosity media</b>										
1002	10	2.30	0.31	5	2.70	0.38	120	DN 10	1.8	–
1006	10	6.00	0.83	5	7.20	1.00	120	DN 10	2.0	–
1310	10	10.50	1.59	5	11.90	1.80	110	DN 15	2.8	–
0814	8	14.00	2.12	4	15.40	2.33	110	DN 15	2.0	–
<b>EXtronic® metering pumps with self-bleeding liquid end</b>										
1601	16	0.66	0.09	–	–	–	120	6 x 4	1.8	–
1201	12	1.00	0.14	–	–	–	120	6 x 4	2.0	–
0803	8	2.40	0.33	–	–	–	120	6 x 4	2.8	–
1002	10	1.80	0.25	–	–	–	120	6 x 4	2.0	–

\* Shipping weight for EXBb M version... additional 14 kg

\*\* The data given here represent guaranteed minimum values, achieved with medium water at room temperature.

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## Materials in Contact With the Medium

	Liquid end	Suction/discharge connector	Seals	Balls (connection 6-12 mm)	Balls (connection DN 10 and DN 15)
PP1	Polypropylene	Polypropylene	EPDM	Ceramic	Borosilicate glass
PP4*	Polypropylene	Polypropylene	EPDM	-	Ceramic
NP1	Plexiglass	PVC	FKM A	Ceramic	Borosilicate glass
NP3	Plexiglass	PVC	FKM B	Ceramic	-
NS3**	Plexiglass	PVC	FKM B	Ceramic	-
PS3**	PVC	PVC	FKM B	Ceramic	-
TT1	PTFE with carbon	PTFE with carbon	PTFE	Ceramic	Ceramic
SS ..	Stainless steel mat. no. 1.4404	Stainless steel mat. no. 1.4404	PTFE	Ceramic	Stainless steel mat. no. 1.4404

\* PP4 with valve springs made of Hastelloy C

\*\* NS3 and PS3 with valve springs made of Hastelloy C, valve insert made of PVDF

FKM = fluorine rubber