

Diaphragm Metering Pump ProMinent EXtronic[®]

Precise metering with explosion protection

ProMinent[®]



Capacity range of single head pump: 1 – 60 l/h; 10 – 1.5 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 with operating voltages of 230 V and 115 V, special voltages available on request.
- Ease of integration into processes thanks to the range of control types (internal, external contact, analogue).
- Also suitable for gaseous media, thanks to 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	oØ x iØ	Suction lift	Shipping weight PP,NP,TT-SS
	bar	l/h	ml/stroke	bar	l/h	ml/stroke				
EXBb										
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
EXtronic® metering pumps for high viscosity media										
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	–
EXtronic® metering pumps with self-bleeding liquid end										
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 6-12mm)	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

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