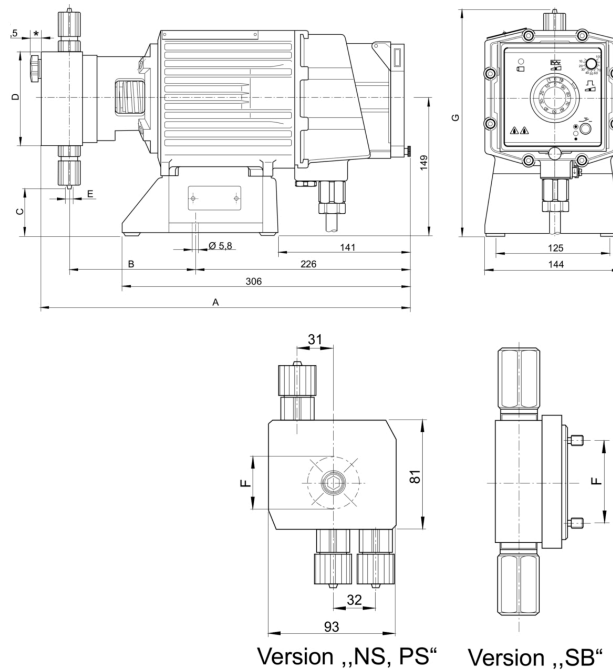


# Diaphragm Metering Pump ProMinent EXTRONIC

## Precise metering with explosion protection



Exemplary representation. The dimensions depend on the configuration chosen.

The diaphragm metering pump EXTRONIC is perfectly suited for the sensitive use of liquid media in facilities with an explosive gas atmosphere as well as for mines at risk of firedamp, as it is approved in compliance with the EU EX Regulation 2014/34/EU (ATEX).

### Technical Details

- Stroke length: 1.25 mm, rod force: 2000 N
- Stroke length adjustment range: 0 – 100% in operation and idle
- Stroke length adjustment: manually using scaled rotary dial
- Metering reproducibility is better than  $\pm 2\%$  within the 30– 100% stroke length range under defined conditions and with correct installation. Observe the information in the operating instructions
- DEVELOPAN® metering diaphragm with PTFE coating with diaphragm rupture monitoring
- Wetted materials: Polypropylene, PVC, PTFE with carbon, clear acrylic, stainless steel, special designs available on request
- Degree of protection: IP 65 (even with open front cover)
- Short stroke solenoid drive and complete pump control integrated in the pump housing
- "Internal", "External contact" and "Analogue" control inputs are available, the latter two also available as intrinsically safe and approved to EN 60079-11
- EXBb G for use in areas at risk from gases and vapours, degree of protection EEx [i,a] d IIC T6

This means:

- EEx - Equipment complies with European standards
- [i,a] - Control input is intrinsically safe when 2 independent errors occur
- d - Type of ignition protection, compression-resistant enclosure
- IIC - Explosion group II for all areas at risk from explosion with the exception of mining, sub-group IIC (includes IIA and IIB)
- T6 - Temperature class permissible for gases and vapours with ignition temperature  $> 85\text{ °C}$
- EXBb M on request

This means:

- EEx - Equipment complies with European standards
- [i,a] - Control input is intrinsically safe when 2 independent errors occur



# Diaphragm Metering Pump ProMinent EXTRONIC

## Precise metering with explosion protection

### Technical Data

Type	Pump capacity at max. back pressure*			Delivery rate at medium back pressure*			Stroke rate Strokes/min	øØ 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>EXTRONIC - metering pumps</b>										
1000	10	0.19	0.03	5	0.27	0.04	120	6 x 4	1.5	12
0260	1	60.00	9.09	-	-	-	110	DN 15	1.5	16
0308	3	8.60	1.20	1	10.30	1.43	120	8 x 5	5.0	12
0417	3	17.40	2.42	2	17.90	2.49	120	12 x 9	4.5	13
0430	3	27.00	4.09	2	29.50	4.47	110	DN 10	5.0	16
0613	6	13.10	1.82	3	14.90	2.07	120	8 x 5	5.5	13
0803	8	3.70	0.51	4	3.90	0.54	120	6 x 4	3.0	12
0814	8	14.00	2.12	4	15.40	2.33	110	12 x 9	5.0	16
1002	10	2.30	0.31	5	2.70	0.38	120	8 x 5	5.0	12
1006	10	6.00	0.83	5	7.20	1.00	120	8 x 5	5.0	13
1201	12	1.70	0.23	6	2.00	0.28	120	6 x 4	5.0	12
1310	13	10.50	1.59	6	11.90	1.80	110	8 x 5	5.0	16
1601	16	1.00	0.15	8	1.30	0.18	120	6 x 4	5.0	12
2501	25	1.14	0.15	20	1.10	0.17	120	6 x 4	5.0	-
2502	25	2.00	0.28	20	2.20	0.31	120	8 x 5	5.0	13
2505	25	4.20	0.64	20	4.80	0.73	110	8 x 5	5.0	16
<b>EXTRONIC - metering pumps for media of higher viscosity</b>										
1006	10	6.00	0.83	5	7.20	1.00	120	DN 10	2.0	-
0814	8	14.00	2.12	4	15.40	2.33	110	DN 15	2.0	-
1002	10	2.30	0.31	5	2.70	0.38	120	DN 10	1.8	-
1310	10	10.50	1.59	5	11.90	1.80	110	DN 15	2.8	-
<b>EXTRONIC - metering pumps with self-bleeding dosing head</b>										
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	-
1601	16	0.66	0.09	-	-	-	120	6 x 4	1.8	-

\* The performance data stated represents guaranteed minimum values, calculated using water as the medium at room temperature.

### Materials in Contact with the Medium

Identity code of material	Dosing head	Connection on suction/discharge side	Seals	Balls (6 – 12 mm connection)	Balls (DN 10 and DN 15 connection)
PP1	Polypropylene	Polypropylene	EPDM	Ceramic	Borosilicate glass
PP4 *	Polypropylene	Polypropylene	EPDM	-	Ceramic
NP1	Clear acrylic	PVC	FKM A	Ceramic	Borosilicate glass
PP4 *	Clear acrylic	PVC	FKM B	Ceramic	Ceramic
PP4 *	PVC	PVC	FKM B	Ceramic	Ceramic
TT1	Carbon-filled PTFE	Carbon-filled PTFE	PTFE	Ceramic	Ceramic
SS ..	Stainless steel 1.4404	Stainless steel 1.4404	PTFE	Ceramic	Stainless steel 1.4404

\* PP4 with valve springs made of Hastelloy C

FKM = fluorine rubber