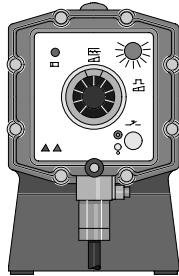


ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

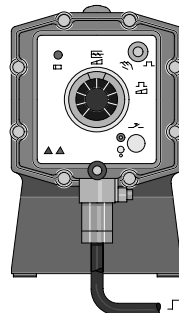
Overview: EXtronic®



pk_1_020

Control type "Internal"

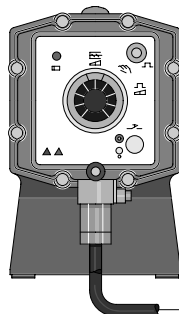
Stroke length adjustment 1:10, stroking rate adjustment 1:25, total adjustment range 1:250.



pk_1_019

Control type: "External Contact"

Stroke length adjustment 1:10, stroking rate control 0-100 % dependant upon external switch contacts. *)



0 - 20 mA

pk_1_018

Control type: "Analogue"

Stroke length adjustment 1:10, Stoke frequency control 0-100 % proportional to analogue signal 0/4-20 mA. *)

*) The electrical cables for mains connection, contact or analogue control are already connected to the pump. Observe all instructions concerning connecting and activating electrical systems.

Ideal for explosion-proof applications

(see [page 129](#) for spare parts)

The ProMinent EXtronic series represents a proven technology for metering liquid media in hazardous areas classified in accordance with Zone 1 and in fire-damp-endangered mining applications.

- The new microprocessor control compensates for fluctuations in the power supply. Automatic switchover from 50 Hz to 60 Hz operation with no change in capacity.
- Operating voltage of 500V increases the scope of application for ProMinent EXtronic (e.g. in conjunction with the new EXBb M version for fire-damp-endangered areas in mining applications).
- The short-stroke solenoid drive is combined with liquid ends from the ProMinent gamma series. The material version SB material is recommended for use with flammable media.
- The control inputs "External Contact", "Analog", and "Zero Volts ON/OFF" are intrinsically safe for the EXBb-registered in accordance with EN 50020.
- The 2501 SSM/SBM type is available with diaphragm failure detection
- The capacity range extends from 0.06 gph (0.19 L/h) to 15.8 gph (60 L/h) at backpressures of up to maximum 363 psig (25 bar).

Factory Mutual Hazard Classification

Factory Mutual Research Corporation has certified that EXtronic series pumps are in compliance with explosion-proof classifications Class 1, Division 1, Groups B, C and D indoor hazardous locations; and with intrinsically safe output connections for Class 1, Division 1, Groups A, B, C, and D hazardous locations. Installation must be in accordance with manufacturer's instructions and the National Electrical Code.

CSA Approval

CSA approved for Class 1, Division 1, Groups B, C and D locations.

ProMinent EXtronic metering pumps are tested and classified in compliance with harmonized European Standards EN 50014/50018 for "flame-proof enclosure." They have the highest degree of protection in this type of enclosure class. This approval is recognized by many other countries outside the EC member states.

The short-stroke solenoid and electronic control are integrated in the pump housing. The enclosure rating in accordance with DIN 40050, even with the front cover open, is NEMA 4.

The liquid end is equipped with a registered multi-layer (Teflon coated) pump diaphragm. The liquid end is made of Acrylic, Polypropylene (PP), PTFE-Teflon, 316 stainless steel and SB for flammable chemicals to ensure maximum operating safety.

Self-bleeding liquid ends made of Acrylic (NS) and PVC (PS) are available for off-gassing fluids.

The micrometering adjusting knob for the stroke length enables precision setting of the capacity and ensures a high degree of repeatability. A comprehensive range of explosion-proof ancillary equipment and pump accessories is available.

EXBb G for use in gas and fire damp hazardous areas

Degree of protection EEx [i,a] d IIC T6

EEx - Explosion-proof equipment built in accordance with European standards

[i,a] - Intrinsically safe control input in the case of two independent faults occurring

d - Flameproof enclosure protection

IIC - Explosion Group II for all hazardous areas apart from mines (includes IIA and IIB)

T6 - Temperature class approval for gases and vapours with ignition temperature > 85°C

EXBb M for use in hazardous mining operations

Degree of protection EEx d I/IIC T6

EEx - Explosion-proof equipment built in accordance with European standards

d - Flameproof enclosure protection

IC - Explosion Group I for firedamp-endangered mines

IIC - Explosion Group II for all other hazardous areas apart from mines (includes IIA and IIB)

T6 - Temperature class approval for gases and vapors with ignition temperature > 85°C.

This is the highest temperature class; it includes T1 to T5.

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Specifications

<i>Maximum stroke length:</i>	0.026" (0.65 mm) for pump models 1000 0.049" (1.25 mm) for all other models		
<i>Materials of construction</i>			
<i>Housing:</i>	Epoxy coated die cast aluminum		
<i>Diaphragm:</i>	PTFE faced EPDM with steel core		
<i>Liquid end options:</i>	Polypropylene, Acrylic/PVC, PTFE, 316 SS, high-viscosity Polypropylene		
<i>Enclosure rating:</i>	NEMA 4X (IP 65); insulation class F		
<i>Power supply:</i>	500V $\pm$ 6%, 50/60 Hz 230V $\pm$ 10%, 50/60 Hz 115V $\pm$ 10%, 50/60 Hz Mean power input at max. stroke frequency (W)/peak current consumption for metering stroke (A) at 230V, 50/60 Hz EXBb Type 1000, 1601, 1201, 0803, 1002, 0308: 23/25 W/0.9 A at 120 strokes/min. EXBb Type 2502, 1006, 0613, 0417: 54/61 W/2.1 A at 120 strokes/min. EXBb Type 2505, 1310, 1014, 0430, 0260: 77/83 W/3.1 A at 110 strokes/min.		
<i>Thermal protection:</i>	Yes		
<i>Check valves:</i>	all models double ball except single ball on PP4 (HV) models		
<i>Repeatability:</i>	When used according to operating instructions, $\pm$ 2%; For type 1601 with self-degassing liquid end, $\pm$ 5%.		
<i>Power cord:</i>	6 ft. (2 m) 2 wire plus ground (no plug)		
<i>External control cable:</i>	6 ft. (2 m) 2 wire		
<i>Ambient temperature range:</i>	14°F (-10°C) to 113°F (45°C)		
<i>Max. fluid operating temperatures:</i>	Material	Constant	Short Term
	Acrylic/PVC	113°F (45°C)	140°F (60°C)
	Polypropylene	122°F (50°C)	212°F (100°C)
	PTFE	122°F (50°C)	248°F (120°C)
	316 SS	122°F (50°C)	248°F (120°C)
<i>Max. allowable input current:</i>	50 mA		
<i>Warranty:</i>	Two years on drive; one year on liquid end.		
<i>Industry standards:</i>	Factory mutual (explosion-proof, intrinsically safe), CSA approved and CE approved. EN 50014/50018; VDE 0170/0171-5.78		
<i>Standard Production Test:</i>	100% tested for rated pressure and volume		
<i>Max. solids size in fluid:</i>	Pumps with 1/4" valves: 15 μ ; pumps with 1/2" valve: 50 μ		
<i>Controlling contact (pulse):</i>	With voltage free contact, or with semiconductor sink logic control (NPN), not source logic (PNP); with a residual voltage of <700 mV, the contact load is approximately 20 mA at +10 VDC. (Note: Semiconductor contacts that require >700 mV across a closed contact should not be used).		
<i>Necessary contact duration:</i>	100 ms		

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Capacity Data

Pump Version	Capacity at max. backpressure			Max. stroke rate spm	Connectors Tube/NPT fitting PP/ NP/NS/PS/TT inches	Capacity at 1/2 max. backpressure			SS1	SS2	SB1	Suction lift ft. (m)	PP/NP/TT-S weight lbs. (kg)
	psig (bar)	GPH (L/h)	mL/ stroke			psig (bar)	gph (L/h)	mL/ stroke					
1000	145 (10)	0.05 (0.19)	0.027	120	1/4 x 3/16	72.5 (5)	0.07 (0.27)	0.038	6mm Swage	1/4" FNPT	1/4" FNPT	4.9 (1.5)	27-36 (12-16)
2501	363 (25)	0.26 (1.0)	0.15	120	1/4 x 3/16	290 (20)	0.29 (1.1)	0.17	6 mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	39 (18)
1601	232 (16)	0.26 (1.0)	0.14	120	1/4 x 3/16	116 (8)	0.34 (1.3)	0.18	6mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	27-36 (12-16)
1201	174 (12)	0.45 (1.7)	0.23	120	1/4 x 3/16	87 (6)	0.53 (2.0)	0.28	6mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	27-36 (12-16)
0803	116 (8)	0.98 (3.7)	0.51	120	1/4 x 3/16	58 (4)	1.03 (3.9)	0.54	6mm Swage	1/4" FNPT	1/4" FNPT	9.8 (3)	27-36 (12-16)
1002	145 (10)	0.61 (2.3)	0.31	120	1/2 x 3/8	72.5 (5)	0.71 (2.7)	0.38	8mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	27-36 (12-16)
0308	43.5 (3)	2.27 (8.6)	1.2	120	1/2 x 3/8	21.8 (1.5)	2.72 (10.3)	1.43	8mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	27-36 (12-16)
2502	363 (25)	0.53 (2.0)	0.28	120	1/2 x 3/8	290 (20)	0.58 (2.2)	0.31	8mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	29-38 (13-17)
1006	145 (10)	1.59 (6.00)	0.83	120	1/2 x 3/8	72.5 (5)	1.90 (7.2)	1.00	8mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	29-34 (13-15)
0613	87 (6)	3.46 (13)	1.82	120	1/2 x 3/8	43.5 (3)	3.94 (14.9)	2.07	8mm Swage	1/4" FNPT	1/4" FNPT	18.0 (5.5)	29-38 (13-17)
0417	50.8 (3.5)	4.60 (17.4)	2.42	120	1/2 x 3/8	29.0 (2)	4.73 (17.9)	2.49	12mm Swage	1/4" FNPT	1/4" FNPT	14.0 (4.5)	29-38 (13-17)
2505	363 (25)	1.11 (4.2)	0.64	110	1/2 x 3/8	290 (20)	1.27 (4.8)	0.73	12mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	36-45 (16-20)
1310	189 (13)	2.77 (10.5)	1.59	110	1/2 x 3/8	87 (6)	3.14 (11.9)	1.80	12mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	36-45 (16-20)
0814	116 (8)	3.70 (14.0)	2.12	110	1/2 x 3/8	58 (4)	4.07 (15.4)	2.33	12mm Swage	1/4" FNPT	1/4" FNPT	19.7 (6)	36-45 (16-20)
0430	50.8 (3.5)	7.13 (27.0)	4.09	110	1/2" MNPT	29.0 (2)	7.79 (29.5)	4.47	3/8" FNPT		3/8" FNPT	16.4 (5)	36-45 (16-20)
0260	21.8 (1.5)	15.8 (60.0)	9.09	110	3/4" MNPT				1/2" FNPT		1/2" FNPT	4.9 (1.5)	36-45 (16-20)

EXtronic Models for High Viscosity Fluids

1002	145 (10)	0.61 (2.3)	0.31	120	1/2" MNPT	72.5 (5)	0.71 (2.7)	0.38				0 (0)	27 (12)
1006	145 (10)	1.59 (6.0)	0.83	120	3/4" MNPT	72.5 (5)	1.90 (7.2)	1.00				0 (0)	29 (13)
1310	145 (10)	2.77 (11.0)	1.59	110	3/4" MNPT	72.5 (5)	3.14 (11.9)	1.80				0 (0)	36 (16)
0814	116 (8)	3.70 (14.0)	2.12	110	3/4" MNPT	58 (4)	4.07 (15.4)	2.33				0 (0)	36 (16)

EXtronic Models with Auto-degassing Liquid Ends

Pump Version	Capacity at Maximum Backpressure				Max. Stoking Rate spm	Connectors Tube/NPT fitting PP/ NP/NS/PS/TT inches	Suction Lift		Shipping Weight	
NS/PS EXBb	psig	(bar)	U.S. GPH	(L/h)			ft.	(m)	lbs.	(kg)
1601	232	(16)	0.17	(0.7)	0.09	120	1/4 x 3/16	5.9	(1.8)	27 (12)
1201	174	(12)	0.26	(1.0)	0.14	120	1/4 x 3/16	6.6	(2.0)	27 (12)
0803	116	(8)	0.63	(2.4)	0.33	120	1/4 x 3/16	9.2	(2.8)	27 (12)
1002	145	(10)	0.48	(1.8)	0.25	120	1/4 x 3/16	6.6	(2.0)	27 (12)

Shipping Weight for EXBb Fireproof M Version is an additional 32 lbs. (14 kg).

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Materials in Contact With Chemicals

	Liquid End	Suction/Discharge Connector	O-rings	Valve Balls (6 - 12 mm)	Balls (DN 10 and DN 15)
PP1	Polypropylene	Polypropylene	EPDM	ceramic	Borosilicate glass
PP4*	Polypropylene	Polypropylene	EPDM	-	ceramic
NP1	Acrylic	PVC	Viton®	ceramic	Borosilicate glass
NP3	Acrylic	PVC	Viton®	ceramic	-
NS3**	Acrylic	PVC	Viton®	ceramic	-
PS3**	PVC	PVC	Viton®	ceramic	-
TT1	PTFE with carbon	PTFE with carbon	PTFE	ceramic	ceramic
SS..	316 stainless steel	316 stainless steel	PTFE	ceramic	316 stainless steel

* PP4 with Hastelloy C valve springs.

** NS3 and PS3 with Hastelloy C valve springs, PVDF valve core.

Note: Viton® is a registered trademark of DuPont Dow Elastomers.

Metering pump comes with 6 ft. power cable (plug not included)

Factory Mutual System approved



Approved
(standard in Canada)



Approved

The EXtronic metering pumps are registered according to DIN-VDE 0170/0171-5.78.

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Identcode Ordering System

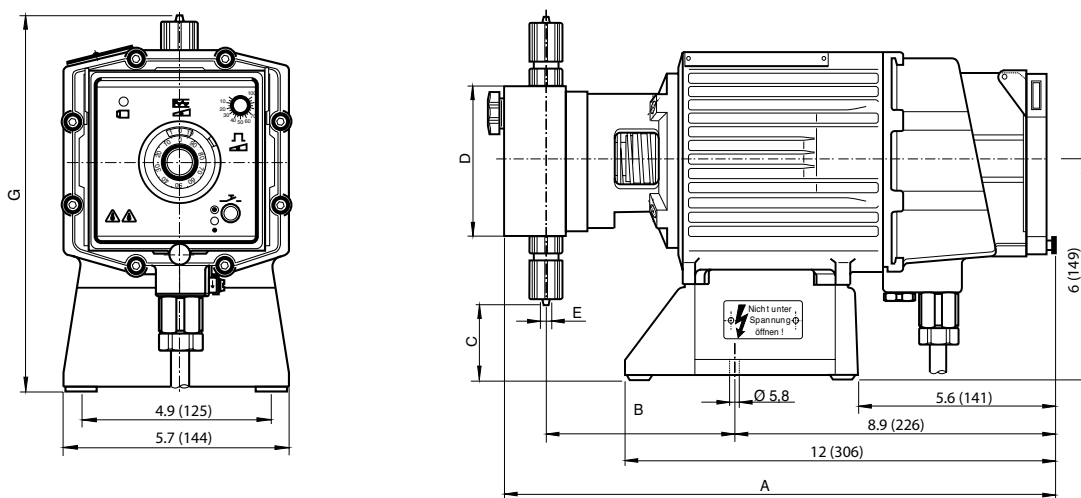
EXBb EXtronic Version b

G M	Type of enclosure: Explosion protection Fire and explosion protection: permissible liquid end material - PTFE & Stainless Steel		
	1000 2502* 2505* 1601 1006 1310** 1201 0613 0814 0803 0417 0430† 1002 2501 0260† 0308	Pump version: *Type 2502 & 2505 only available in SS and SB **Type 1310 only available in NP, PP4, SS and SB ***Type 2501 available in SSM and SBM only †Type 0430 & 0260 not available in SS2	
	PP1 PP4 NP1 NP3 NS3 PS3 TT1 SS1 SS2 SB1 SSM SBM	Liquid end materials: PP1 Polypropylene with EPDM O-rings PP4 Polypropylene for high viscosity fluid with enlarged ports, with EPDM O-rings & Hastelloy C valve springs (Only for type 1002, 1006, 1310 & 0814) NP1 Acrylic with PVC check valves & Viton® O-rings NP3 Acrylic with PVC check valves & Viton® O-rings NS3 Auto-degassing Acrylic with Viton® O-rings (Only for type 1601, 1201, 0803 & 1002) PS3 Auto-degassing PVC with Viton® O-rings (Only for type 1601, 1201, 0803 & 1002) TT1 Carbon-reinforced PTFE with PTFE o-rings SS1 316 SS with PTFE o-rings (Only for types 0430 & 0260) SS2 316 SS with PTFE o-rings, 1/4" FNPT thread SB1 316 SS with PTFE o-rings, R 1/4" internal thread, R 1/2" for type 0260 (Recommended for combustible media) SSM as SS1, with diaphragm failure indicator, type 2501 only SBM as SB1, with diaphragm failure indicator, type 2501 only	
		Valve springs: 0 Without springs 1 With 2 springs, 316 SS, 1.4 psig (0.1 bar)	
		Electrical connection: A 230 V 50/60 Hz 1 phase B 115 V 50/60 Hz 1 phase E 500 V 50/60 Hz 1 phase Cable length: 6 ft (2 m) open end	
		Control type: 0 Stroke rate adjustment via potentiometer 1 External contact 2 Analog 0-20 mA 3 Analog 4-20 mA 4* External contact, intrinsically safe [i,a] 5* Analog 0-20 mA, intrinsically safe [i,a] 6* Analog 4-20 mA, intrinsically safe [i,a] * Intrinsically safe only with E=Ex protection 7 manual with zero volts ON/OFF 8 manual with zero volts ON/OFF, intrinsically safe [i,a]	
		Control variant: 0 With potentiometer (Only for control type 0) 1 With momentary contact push-button switch for maximum stroke rate (Not for control type 0) 2 With spring-return change-over switch for maximum frequency rate (Not for control type 0)	
		Approval/Language: 0 BVS - Europe, German, 100 V - 500 V 1 BVS - Europe, English, 100 V - 500 V 2 FM - USA, English, 115 V, 230 V 3 CSA - Canada, English, 115 V, 230 V	

EXBb G 1006 PP1 1 A 3 1 2

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Dimensional Drawings

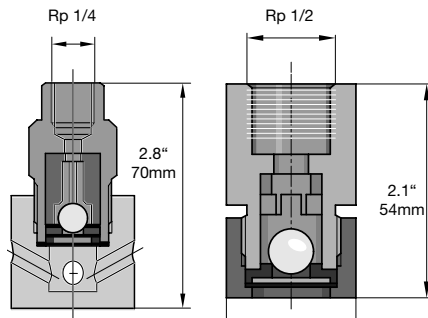


Dimensions in inches (mm)

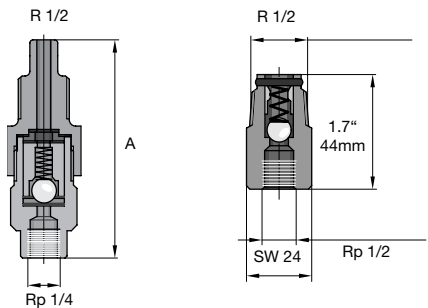
Pump		A	B	C	D	E	F	G
1000, 1601, 1201, 0803	NP1	15.4 (391)	5.4 (136)	2.7 (69)	ø70	6 x 4	ø38	9.0 (229)
1002, 0308, 2502/05, 1006	NP1	15.4 (391)	5.4 (136)	2.4 (61)	ø85	8 x 5	ø50	9.3 (237)
1310, 0613	NP1	15.4 (391)	5.4 (136)	2.0 (52)	ø100	8 x 5	ø66	9.6 (244)
0814, 0417	NP1	15.4 (391)	5.4 (136)	2.0 (52)	ø100	12 x 9	ø66	9.6 (244)
0430	NP1	15.0 (381)	5.4 (137)	1.8 (46)	ø135	DN 10	ø117	12.0 (304)
0260	NP1	15.7 (398)	5.6 (142)	.63 (16)	ø135	DN 15	ø117	12.4 (314)
1000, 1601, 1201, 0803	PP1	15.5 (393)	5.4 (136)	2.6 (67)	ø70	6 x 4	ø38	9.3 (236)
1002, 0308, 1006	PP1	15.5 (393)	5.4 (136)	2.6 (67)	ø70	8 x 5	ø50	9.3 (236)
0613	PP1	15.5 (393)	5.4 (136)	2.2 (57)	ø90	8 x 5	ø66	9.7 (246)
0814, 0417	PP1	15.5 (393)	5.4 (136)	2.2 (57)	ø90	8 x 5	ø66	9.7 (246)
0430	PP1	15.0 (381)	5.4 (137)	1.8 (46)	ø135	DN 10	ø117	12.0 (304)
0260	PP1	15.7 (398)	5.6 (142)	.63 (16)	ø135	DN 15	ø117	12.4 (314)
1002	PP4	15.3 (389)	5.4 (138)	1.8 (46)	ø85	DN 10	ø50	8.7 (222)
1006	PP4	15.3 (398)	5.7 (145)	3.0 (76)	ø85	DN 15	ø50	8.7 (222)
1310	PP4	15.3 (398)	5.7 (145)	3.0 (76)	ø85	DN 15	ø50	8.7 (222)
1014	PP4	15.3 (398)	5.7 (145)	2.7 (69)	ø100	DN 15	ø66	9.1 (229)
1000, 1601, 1202	TT1	14.9 (378)	5.3 (134)	2.9 (75)	ø60	6 x 4	ø38	8.8 (223)
0803	TT1	14.9 (378)	5.3 (134)	2.8 (70)	ø70	6 x 4	ø38	9.0 (228)
1002, 0308, 1006	TT1	15.3 (388)	5.3 (138)	1.3 (32)	ø95	8 x 5	ø66	10.5 (266)
0613	TT1	15.3 (388)	5.4 (138)	1.3 (32)	ø95	8 x 5	ø66	10.5 (266)
0814, 0417	TT1	15.3 (388)	5.4 (138)	1.3 (32)	ø95	12 x 9	ø66	10.5 (266)
0430	TT1	15.3 (388)	5.4 (137)	1.4 (35)	ø135	DN 10	ø117	10.4 (263)
0260	TT1	15.7 (398)	5.6 (142)	1.2 (31)	ø135	DN 15	ø117	10.6 (268)
1000, 1601, 1202	SS1	14.8 (376)	5.3 (134)	3.3 (84)	ø60	6 x 5	ø38	8.4 (214)
0803	SS1	14.8 (376)	5.3 (134)	3.1 (79)	ø70	6 x 5	ø38	8.6 (219)
1002, 0308, 2502/05, 1006	SS1	15.2 (386)	5.4 (138)	1.9 (48)	ø80	8 x 7	ø50	9.8 (250)
1310, 0613	SS1	15.2 (386)	5.4 (138)	1.5 (39)	ø95	8 x 7	ø66	10.2 (259)
0814, 0417	SS1	15.2 (386)	5.4 (138)	1.5 (39)	ø95	12 x 10	ø66	10.2 (259)
0430	SS1	15.2 (386)	5.4 (137)	1.4 (35)	ø135	DN 10	ø117	10.4 (263)
0260	SS1	15.4 (390)	5.6 (142)	1.1 (28)	ø135	DN 15	ø117	10.7 (271)
1000	SB1	14.7 (373)	5.3 (134)	3.4 (87)	ø70	R1/4"	ø38	8.3 (211)
1601, 1202, 0803	SB1	14.7 (373)	5.3 (134)	3.1 (79)	ø85	R1/4"	ø38	8.6 (219)
1002, 0308, 2502/05, 1006	SB1	15.0 (381)	5.4 (138)	2.2 (56)	ø80	R1/4"	ø50	9.5 (242)
1310, 0613	SB1	15.0 (381)	5.4 (138)	1.9 (48)	ø95	R1/4"	ø66	9.8 (250)
0814, 0417	SB1	15.0 (381)	5.4 (138)	1.9 (48)	ø95	R1/4"	ø66	9.8 (250)
0430	SB1	15.0 (381)	5.4 (138)	.87 (22)	ø145	R1/4"	ø117	10.8 (275)
0260	SB1	15.1 (383)	5.5 (139)	1.1 (27)	ø145	R1/2"	ø117	11.0 (279)
1601, 1202, 0803	NS3	15.1 (383)	5.4 (136)	2.6 (67)	s. Abb.	6 x 4	ø38	9.6 (243)
1002	NS3	15.1 (383)	5.4 (136)	2.6 (67)	s. Abb.	6 x 4	ø50	9.6 (243)
1601, 1202, 0803	NS3	15.1 (383)	5.4 (136)	2.6 (67)	s. Abb.	6 x 4	ø38	9.6 (243)
1002	NS3	15.1 (383)	5.4 (136)	2.6 (67)	s. Abb.	6 x 4	ø50	9.6 (243)

ProMinent® EXtronic® Solenoid Diaphragm Metering Pumps

Special Valves for EXtronic®

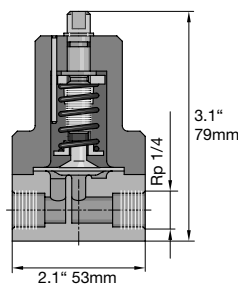


pk_1_031



pk_1_032_2

pk_1_027



pk_1_029



pk_1_028

Stainless steel 1.4404 "SB" foot valve

With filter and ball check valve, designed for use with flammable materials.

Materials: 1.4404/1.4401/PTFE/ceramic

Order No.

Connector ISO 7 Rp 1/4 SB version for ProMinent EXtronic®	809301
Connector ISO 7 Rp 1/2 SB version for ProMinent EXtronic®	924561

Stainless steel 1.4404 "SB" injection valve

Spring loaded ball check valve designed for use with flammable materials.

Materials: 1.4404/1.4401/Hastelloy C/PTFE/ceramic

Order No.

Connector ISO 7 Rp 1/4 - R 1/2, pre-pressure approx. 7.3 psi	809302
Connector ISO 7 Rp 1/2 - R 1/2, pre-pressure approx. 7.3 psi	924560

Adjustable "SB" back pressure valve

Materials: 1.4404; PTFE coated diaphragm. Connector both sides ISO 7 Rp 1/4

Order No.

Operating range approx. 14.5 - 145 psi (1-10 bar), closed version designed for use with flammable materials.	924555
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To generate a constant back pressure for accurate metering with a free outlet. Can also be used as an overflow valve.

PTFE dosing pipe

Carbon-filled, surface resistance <10⁷

Material	Length m	Ext. diam. x int. diam.	Permissible operating press. psi (bar)*	Order No.
PTFE	Sold by the foot	6.0 x 4.0	174 (12)	1024831
PTFE	Sold by the foot	8.0 x 5.0	232 (16)	1024830
PTFE	Sold by the foot	12.0 x 9.0	130.5 (9)	1024832

* permissible operating pressure at 68°F (20 °C) in accordance with EN ISO 7751, 1/4 of the bursting pressure, assuming chemical resistance and correct connection.

Additional ancillary equipment, i.e. foot valves, injection valves and back pressure valves in the usual material combinations, identical to gamma ancillary equipment and/or for connector DN 15 Vario ancillary equipment, see section 2.14.

Stainless steel straight threaded connectors

Swagelok system in stainless steel SS 316 (1.4401) for connection of pipework to liquid ends and valves with internal thread and for SB version.

Normal thread o-rings compounds required.

Order No.

6 mm - ISO 7 R 1/4	359526
8 mm - ISO 7 R 1/4	359527