

1.3 ProMinent® gamma/ XL Metering Pumps

1.3.2 ProMinent® Technical Data gamma/ XL

Pump type gamma/ XL	Max. pressure bar	Delivery rate l/h	Theor. stroke volume ml/stroke	Max. stroke rate Strokes/min	Nominal diameter	Suction lift m WC	Shipping weight NPE, NPB, PVT / SST kg
GXLa 2508	25	7.80	0.67	200	8 x 4** mm	5*	10/11
GXLa 1608	16	7.80	0.67	200	8 x 5** mm	5*	10/11
GXLa 1612	16	12	1	200	8 x 5 mm	6*	10/11
GXLa 1020	10	19.6	1.7	200	12 x 9 mm	5*	10/11
GXLa 0730	7	29.4	2.5	200	12 x 9 mm	5*	10/11
GXLa 0450	4	49.0	4.2	200	G 3/4 - DN 10	3*	10/11
GXLa 0280	2	78.5	6.7	200	G 3/4 - DN 10	2*	10/11
gamma/ XL metering pumps with self-bleeding dosing head without bypass*							
GXLa 1608	10	7	0.6	200	8 x 5 mm	1.8	10
GXLa 1612	10	10	0.8	200	8 x 5 mm	1.8	10
GXLa 1020	10	15	1.25	200	12 x 9 mm	1.8	10
GXLa 0730	7	27.5	2.3	200	12 x 9 mm	1.8	10

Note: gamma/ XL metering pumps with dosing heads for higher-viscosity media have a 10 – 20 % lower capacity and are not self-priming. G 3/4 - DN 10 connector with d 16 - DN 10 hose nozzle.

* Suction lift (m WC) = Suction lift with filled dosing head and filled suction line

** With stainless steel design 6 mm connector width

All data refers to water at 20 °C.

Materials in Contact with the medium

Design	Dosing head	Suction/pressure connector	Ball seat	Seals	Valve balls
NPT	Clear acrylic	PVDF	PVDF	PTFE	Ceramic
PVT	PVDF	PVDF	PVDF	PTFE	Ceramic
SST (8 – 12 mm)	stainless steel 1.4404	stainless steel 1.4404	Ceramic	PTFE	Ceramic
SST (DN 10)	stainless steel 1.4404	stainless steel 1.4404	PTFE with carbon	PTFE	Ceramic

Design of connectors

Plastic	8 - 12mm	Hose squeeze connector
	DN 10	d16 DN 10 hose nozzle
Stainless steel	6 - 12 mm	Swagelok system
	DN 10	Rp 3/8 insert

- Diaphragm with PTFE coating.
- Repeatability of metering $\pm 2\%$ when used in accordance with the operating instructions.
- Permissible ambient temperature -10 °C to 45 °C .
- Mean power consumption 78 W.
- Degree of protection IP 66, insulation class F.



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1.3.3 Identity Code & Pricing for ProMinent® gamma/ XL

GXLa

EU Europe

Type	bar	l/h	NPB	PVT	SST	Type	bar	l/h	NPB	PVT	SST
2508	25	7.80				0730	7	29.4			
1608	16	7.80				0450	4	49.0			
1612	16	12				0280	2	78.5			
1020	10	19.6									

Material of dosing head/valves

- PV** PVDF/PVDF, not for pump type 2508
- NP** Clear acrylic/PVC, only for pump types 2508, 1608, 1612, 1020 and 0730 **[1612, 1020, 0730 NOT STOCKED ITEM]**
- SS** stainless steel/stainless steel

Material of seals/diaphragm

- T** only with PV and SS **PV** **SS**
- F** FDA-compliant design, only for PV and SS
- B** VITON only with NP Heads

Dosing head design

- 0** without bleed valve, without valve spring, only with material SS
- 1** without bleed valve, with valve spring, only with material SS
- 2** with bleed valve, without valve spring, only with material NP and PV
- 3** with bleed valve, with valve spring, only with material NP and PV
- 4** HV design for higher-viscosity media, only for types 1608, 1612, 1020 and 0730
- 7** self-bleeding without bypass (SER) for types 1608, 1612, 1020 and 0730

Hydraulic connector

- 0** Standard connection in line with technical data
- F** Connector on discharge side for 8/4 hose, standard on suction side, only with material NP 2508 NPB

Diaphragm rupture indicator

- 0** without diaphragm rupture indicator
- 1** with diaphragm rupture indicator, optical sensor, electrical sensor

Design

- 0** Housing RAL 5003, cover RAL 2003

Logo

- 0** with ProMinent® logo

Electrical Connection

- U** 100- 230V ±10 %, 50/60 Hz

Cable and plug

- C** 2 m Australian

Relay, pre-set to

- 0** no relay
- 1** 1 x changeover contact 230V – 8 A, fault indicating relay N/C
- 2** x N/O 24V – 100 mA, fault indicating relay N/C + pacing relay
- C** 1 x N/O 24V – 100 mA, fault indicating relay N/C + 4 – 20 mA output
- F** with automatic bleed valve, 230V AC, not for pump type 2508
- G** with automatic bleed valve 24V DC and relay output, not for pump type 2508

Accessories

- 0** no accessories
- 1** with foot and injection valve, 2m suction line, 5m discharge line **NOT DN10**

Control version

- 0** Manual + external contact with pulse control
- 3** Manual + external contact with pulse control + analogue 0/4 – 20 mA
- C** as 3 + CANopen
- D** as 3 + CANopen, Dulcomarine
- E** as 3 + PROFINET® interface, M12
- R** as 3 + PROFIBUS® interface, M12

Communication

- 0** without interface
- B** with Bluetooth
- W** with Wi-Fi module

Operating menu language

- EN** English

Prepack

- P** see options at left

Note: If PROFIBUS® is specified refer to page 3.20 to determine which PROFIBUS® cables, adaptors and terminators are required. Also if PROFIBUS® option is selected NO relays can be fitted.

Prepacks = P*

P0 - includes 5m of delivery and 2m suction tube a CANbus cable, if specified.

P2 - includes 5m of delivery and 2m suction tube a 2m Control Cable if required.

P5 - as P2 but with 5m control Cable

PX - as P2 but with 10m control Cable

Note: 2508 pumps are supplied with 5.0m PTFE tube, other tube is available on request.

Note: Cable for I/O port see page 3.19 in Yellow Pages.

GXLa EU 1020 PV T 0 0 0 0 0 U C 0 0 0 0 EN



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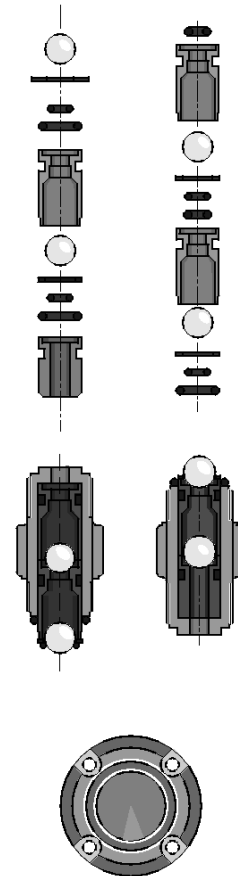
1.3.4 ProMinent® gamma/ XL Spare Parts Kits

Stainless steel version without suction valve assembly and without discharge valve assembly, with valve seats, seals and valve balls.

Type	Wetted materials	Part No.
Type 2508	NPT2	1095912
	SST0	1030226
	NPE	1033172
	NPB	1033171
Type 1608	PVT2/NPT2	1030225
	PVT7	1047831
	SST0	1030226
	NPE	1030620
Type 1612	NPB 1	1030611
	PVT2/NPT2	1027081
	PVT4	1019067
	PVT7	1047832
Type 1020	SST0	1027086
	NPE	1030536
	NPB	1030525
	PVT2/NPT2	1027082
	PVT4	1019069
	PVT7	1047833
Type 0730	SST0	1027087
	NPE	1030537
	NPB	1030526
	PVT2/NPT2	1095626
	PVT4	1095499
	PVT7	1095503
Type 0450	SST0	1095501
	NPE	1095701
	NPB	1095700
	PVT2	1095502
Type 0280	SST0	1095625
	PVT2	1095500
	SST0	1095624

Spare parts kits for gamma/ XL, consisting of:

- 1 x diaphragm
- 1 x suction valve assembly
- 1 x discharge valve assembly
- 1 x connector kit



Replacement Diaphragms for GXLa Series Pumps

Type	Materials	Part No.
Type 2508	all materials	1030353
Type 1608	all materials	1030353
Type 1612	all materials	1000248
Type 1020	all materials	1000249
Type 0730	all materials	1045456
Type 0450	all materials	1045443
Type 0280	all materials	1059691

