

Product Identity Codes

2013

Experts in Chemical Feed and Water Treatment

ProMinent®

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ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

Concept PLUS Identcode Ordering System

CNPa	Concept PLUS										
	Version	Capacity					Version	Capacity			
	1000	0.16 gph (0.6 l/h), 145 psi (10 bar)					0704	1.17 gph (4.4 l/h), 102 psi (7 bar)			
	1601	0.26 gph (1.0 l/h), 232 psi (16 bar)					0705	1.37 gph (5.2 l/h), 101 psi (7bar)			
	1002	0.53 gph (2.0 l/h), 145 psi (10 bar)					0308	2.10 gph (8.0 l/h), 43.5 psi (3 bar)			
	1003	0.71 gph (2.7 l/h), 145 psi (10 bar)					0215	3.17 gph (12 l/h), 29 psi (2 bar)			
	Liquid end material:										
	PP	Polypropylene									
	NP	Acrylic/PVC									
	PV	PVDF									
	O-rings:										
	E	Viton® seals									
	B	EPDM seals									
	T	PTFE seals									
	Liquid end version:										
	0	Non-bleed version, no valve spring									
	1	Non-bleed version, with valve spring									
	2	With bleed valve, no valve spring (except 0704 models)									
	3	With bleed valve, with valve spring									
	Connection:										
	0	Standard according to technical data									
	B	Special connection 3/8" x 1/4"									
	Logo:										
	0	With ProMinent® logo									
	2	Without ProMinent® logo									
Power Supply:											
A	1 ph 230 V 50/60 Hz (Euro plug)										
D	1 ph 115 V 50/60 Hz (US plug)										
U	1 ph 230 V 50/60 Hz (US plug) (consult factory for pricing)										
Control Option:											
0	Standard (w/o external control)										
B	Pulse control										
Accessories:											
1	With accessories (foot valve, injection valve, tubing)										
Approval:											
0	CSA										
CNPa	1000	PP	B	2	0	0	A	B	1	0	

ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

Beta® b Identcode Ordering System

BT4b	Beta 4b										Beta 5b							
Version	Capacity					Version	Capacity					Version	Capacity					
1000	0.20 gph (0.74 l/h), 145 psi (10 bar)					1604	0.95 gph (3.60 l/h), 232 psi (16 bar)					2504	0.77 gph (2.90 l/h), 363 psi (25 bar)					
2001	0.25 gph (0.96 l/h), 290 psi, (20 bar)					0708	1.88 gph (7.10 l/h), 102 psi (7 bar)					1008	1.80 gph (6.80 l/h), 145 psi (10 bar)					
1601	0.29 gph (1.10 l/h), 232 psi (16 bar)					0413	3.25 gph (12.30 l/h), 58 psi (4 bar)					0713	2.91 gph (11.00 l/h), 102 psi (7 bar)					
2002	0.45 gph (1.70 l/h), 290 psi (20 bar)					0220	5.02 gph (19.0 l/h), 29 psi (2 bar)					0420	4.52 gph (17.10 l/h), 58 psi (4 bar)					
1602	0.58 gph (2.2 l/h), 232 psi (16 bar)														0232	8.45 gph (32.00 l/h), 29 psi (2 bar)		
Liquid end material:																		
PP		Polypropylene/PVDF, for self-degassing version Polypropylene/Polypropylene																
NP		Acrylic glass/PVDF, for self-degassing version Acrylic glass/PVC																
PV		PVDF/PVDF																
TT		PTFE/PTFE																
SS		Stainless steel																
O-rings:																		
E		EPDM/PTFE coated, only for PP and NP self-degassing																
B		FPM-B/PTFE coated, only on PP and NP self-degassing																
T		PTFE/PTFE coated																
P		Diaphragm and seal EPDM																
Liquid end version:																		
0		Non-bleed version, no valve spring, for TT, SS and type 0232 only																
1		Non-bleed version, with valve spring, for TT, SS and type 0232 only																
2		With deaerator, no valve spring, PP, PV, NP only, not type 0232																
3		With deaerator, with valve spring, PP, PV, NP only, not type 0232																
4		Version for highly viscous media, only PVT, types 1005, 1605, 0708, 1008, 0413, 0713, 0220, 0420																
9		Self-degassing for PP, NP only, not for types 1000 and 0232																
Hydraulic connections:																		
0		Standard according to technical data																
B		special-connection 3/8" x 1/4"																
Logo:																		
0		With ProMinent® logo																
Power supply:																		
U		Universal 100-240 V																
M		12-24 VDC																
Cable and plug:																		
A		6 ft European																
D		6 ft USA 115 V																
U		6 ft USA 230 V																
Relay:																		
0		No relay																
1		Fault indicating relay, normally energized, 1 x changeover contact 230 V - 2 A																
3		Fault indicating relay, normally de-energized, 1 x changeover contact 230 V - 2 A																
4		As 1 + pacing relay 2 x normally open contacts 24 V - 100 mA																
5		As 3 + pacing relay 2 x normally open contacts 24 V - 100 mA																
Accessories:																		
0		No accessories																
1		With foot and injection valve, 5 ft PVC suction tubing, 10 ft PE discharge tubing																
Control type:																		
0		No lock																
1		With lock: manual operation locked when external cable plugged in																
Control variants:																		
0		Standard																
BT4b	1000	PP	E	0	0	0	U	A	0	0	0	0	0					

ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

gamma/ L Identcode Ordering System

GALa	Gamma/ L														
Version	Capacity				Version	Capacity				Version	Capacity				
2001	0.26 gph (0.96 l/h), 290 psi (20 bar)				1005*	1.1 gph (4.4 l/h), 145 psi (10 bar)				0220*	5.0 gph (19.0 l/h), 29 psi (2 bar)				
1601	0.29 gph (1.1 l/h), 253 psi (17.5 bar)				1008*	1.8 gph (6.8 l/h), 145 psi (10 bar)				0232	8.4 gph (32.0 l/h), 29 psi (2 bar)				
2002	0.53 gph (1.7 l/h), 290 psi (20 bar)				0708*	1.9 gph (7.1 l/h), 101 psi (7 bar)				*Versions available with high viscosity liquid ends					
1602	0.55 gph (2.1 l/h), 232 psi (17.5 bar)				0713*	2.9 gph (11.0 l/h), 101 psi (7 bar)									
1605*	1.1 gph (4.1 l/h), 253 psi (17.5 bar)				0413*	3.2 gph (12.3 l/h), 58 psi (4 bar)									
1000	0.19 gph (0.74 l/h), 145 psi (10 bar)				0420*	4.5 gph (17.1 l/h), 58 psi (4 bar)									
Liquid end material:															
PP		Polypropylene/PVDF, for self-degassing version Polypropylene/Polypropylene													
PC		PVC													
NP		Acrylic glass/PVDF, for self-degassing version Acrylic glass/PVC													
PV		PVDF/PVDF													
TT		PTFE/PTFE													
SS		Stainless Steel													
O-rings:															
E		EDPM o-rings (PP, NP)													
B		Viton® o-rings (PP, NP)													
T		PTFE o-rings (PVDF, TT, SS)													
P		EPDM diaphragm with DPDM o-rings (PP, NP)													
V		Viton® diaphragm with Viton o-rings (PP, NP) Viton® is a registered trademark of DuPont Dow Elastomers													
Liquid end version:															
0		Non-bleed version, no valve spring, for TT, SS and type 0232 only													
1		Non-bleed version, with valve spring, for TT, SS and type 0232 only													
2		With bleed valve, no valve spring, PP, PV, NP only, not type 0232													
3		With bleed valve, with valve spring, PP, PV, NP only, not type 0232													
4		Version for highly viscous media, only PVT, types 1005, 1605, 0708, 1008, 0413, 0713, 0220, 0420													
9		Self-degassing for PP, NP only, not for types 1000 and 0232													
Hydraulic connections:															
0		Standard according to technical data													
6		1/2" x 3/8" tube fittings													
B		special-connection 3/8" x 1/4"													
Logo:															
0		Standard, with logo													
Electrical Connection (± 10%):															
M		12-24 VDC (versions 1000-0220)													
N		24 VDC (versions 1605-0232)													
U		Universal 100-240 V													
Cable and plug with 6ft (2m) power cord, single phase:															
A		European plug													
D		N. American plug, 115 V													
U		N. American plug, 230 V													
1		Open ended (for low voltage options M and N)													
Relay:															
0		Without relay (Required with Profibus)													
1		Fault annunciating relay, drops out													
3		Fault annunciating relay, pulls in													
4		Option 1 + pacing relay													
5		Option 3 + pacing relay													
C		Option 1 + 4-20 mA analog output													
D		Option 3 + 4-20 mA analog output													
E		Pacing relay + 4-20 mA analog output													
Accessories:															
0		Not included (for PVDF, TT, SS)													
1		With foot and injection valve, 5 ft PVC suction tubing, 10 ft PE discharge tubing													
Control Variants:															
0		Manual + External 1:1													
1		Manual + External with pulse control (multiplier/divider)													
2		Manual + External 1:1 with analog control													
3		Manual + External with pulse control & analog control													
4		Option 0 + Timer													
5		Option 3 + Timer													
P		Option 3 + PROFIBUS (Relay must be 0)													
Access Code:															
0		No Access Code													
1		Access Code													
Flow Monitor:															
0		Input for metering monitor signal (pulse)													
Pause/Float:															
0		Standard													
GALa	1601	SS	T	1	0	0	U	D	1	0	3	0	0	0	

ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

delta® Identcode Ordering System

ProMinent®

DLTA	delta																
Version		Capacity					Version		Capacity								
2508		2.1 gph (7.5 l/h), 362 psi (25 bar)					0730		7.7 gph (29.20 l/h), 101.5 psi (7 bar)								
1608		2.1 gph (7.8 l/h), 232 psi (16 bar)					0450		13 gph (49 l/h), 58 psi (4 bar)								
1612		3.0 gph (11.30 l/h), 232 psi (16 bar)					0280		19.8 gph (75 l/h), 29 psi (2 bar)								
1020		5.05 gph (19.1 l/h), 145 psi (25 bar)															
Liquid end materials:																	
PV		PVDF (for models 1608, 1612, 1020, and 0730)															
SS		SS															
NP		Acrylic glass/PVC (for pump type 2508, 1608, 1612, 1020 & 0730)															
O-rings:																	
T		PTFE seals															
E		EPDM o-ring (NP only)															
B		Viton® o-rings (NP only)															
Liquid end version:																	
0		W/o bleed valve, w/o spings (for SS liquid ends)															
1		W/o bleed valve, with springs (for SS liquid ends)															
2		With bleed valve, w/o springs															
3		With bleed valve, with springs															
4		W/o bleed valve, with springs (for high viscosity only)															
X		W/o liquid end															
Connection:																	
0		1/2" x 3/8" tubing (for models 1020 & 0730); 5/8" hose barb (for models 0450 & 0280); 3/8" x 1/4" tubing (for models 1608 & 1612)															
6		1/2" MNPT Connections (for models 0450, 0280 & 2508)															
Diaphragm failure indicator:																	
0		Without diaphragm failure indicator															
1		With diaphragm failure indicator															
Logo:																	
0		Standard, with ProMinent® logo															
Electrical connection (± 10%)																	
U		115-230 V, 50/60 Hz															
Cable and plug with 6 ft (2 m) power cord, single phase:																	
A		European plug															
D		N. American plug, 115 V															
U		N. American plug, 230V															
Relay:																	
0		Without relay (Required with PROFIBUS)															
1		Fault annunciating relay, drops out															
3		Fault annunciating relay, pulls in															
4		Option 1 + pacing relay															
5		Option 3 + pacing relay															
A		Alarm indication + pump shut off															
C		Option 1 + 4-20 mA analog output + fault output (24V 100 mA max.)															
G		Auto-degassing valve + fault relay (not available for version 2508)															
Accessories:																	
0		Not included															
1		Foot Valve, Inj Valve, 15' Tubing (3/8" x 1/4") PVC (for model 1608)															
1		Foot Valve, Inj Valve, 15' Tubing (3/8" x 1/4") PVDF (for model 1612)															
1		Foot Valve, Inj Valve, 15' Tubing (1/2" x 3/8") PVC (for model 1020)															
1		Foot Valve, Inj Valve, 15' Tubing (1/2" x 3/8") PVDF (for model 0730)															
1		Foot Valve, Inj Valve, 5' Suction Tubing (1/2" x 3/8") PVC (1/2" MNPT on Discharge) (for model 2508)															
1		FV, IV, 15' House (5/8" ID) PVDF (for models 0450 & 0280)															
Control Variants:																	
0		Manual + External contact (multiplier/divider)															
3		Manual + External with pulse control & analog control															
4		Option 0 + 14 day timer															
5		Option 3 + 14 day timer															
M		with pH,ORP and chlorine control module															
R		Option 3 + Profibus M12 (Relay must be 0)															
Access Code:																	
0		No Access Code															
1		Access Code															
Language:																	
EN		English															
Pause/Float:																	
0		Standard															
DLTA	2508	PV	0	0	0	0	0	0	U	A	0	0	0	0	0	EN	0

ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

mikro delta® Identcode Ordering System

MDLa	mikro delta® series, version a														
	Version	Capacity													
	Version	Capacity													
	100150	145 ml/h, 145 psi (10 bar) *Only TT													
	600150	145 ml/h, 870 psi (60 bar) *Only SS													
	100600	580 ml/h, 145 psi (10 bar) *Only TT													
	Liquid end materials:														
	SS	Stainless steel													
	TT	PTFE with 25 % carbon													
	O-rings:														
	T	PTFE pure white													
	G	PTFE with graphite													
	Liquid end version:														
	0	no valve spring													
	1	with valve spring													
	Connection:														
	0	Standard according to technical data													
	Logo:														
		with ProMinent®-Logo													
		no ProMinent®-Logo													
	Power Supply (± 10%):														
U	115-230 V, 50/60 Hz														
Cable and plug with 6 ft (2 m) power cord, single phase:															
A	European plug														
D	N. American plug, 115 V														
U	N. American plug, 230 V														
Relay:															
0	no relay														
1	Fault indicating relay, normally energized, 1x changeover contact, 230 V - 8 A														
3	Fault indicating relay, normally de-energized, 1 x changeover contact, 230 V - 8 A														
4	A as 1 + pacing relay, 24 V - 100 mA														
5	as 3 + pacing relay, 24 V - 100 mA														
Accessories:															
	no accessories														
Control versions:															
0	manual+external contact with pulse control														
3	manual+external contact w/ pulse control+analogue 0/4-20 mA														
4	as 0 + Process Timer (1 month)														
5	as 3 + Process Timer (1 month)														
C	CANopen														
R	as 3 + PROFIBUS®-interface, M12														
Security:															
0	no access code														
1	with access code														
Language:															
EN	English														
Pause/Float:															
	0	Standard													
	0														
MDLa	100150	SS	T	0	0	0	U	D	0	0	0	0	EN	0	

ProMinent® Identcodes Solenoid Diaphragm Metering Pumps

EXtronic® Identcode Ordering System

EXBb	Enclosure Type:									
	G	Explosion protection								
	M	Fire and explosion protection: permissible liquid end material - PTFE & Stainless Steel								
	Version: Capacity:		Version: Capacity:							
	1000	0.05 gph, 145 psi	0613	3.46 gph, 87 psi	*Type 2502 & 2505 only available in SS and SB					
	1601	0.26 gph, 232 psi	0417	4.6 gph, 50.8 psi	**Type 1310 only available in NP, PP4, SS and SB					
	1201	0.45 gph, 174 psi	2501***	0.26 gph, 363 psi	***Type 2501 available in SSM and SBM only					
	0803	0.98 gph, 116 psi	2505*	1.11 gph, 363 psi	✧Type 0430 & 0260 not available in SS2					
	1002	0.61 gph, 145 psi	1310**	2.77 gph, 189 psi						
	0308	2.27 gph, 43.5 psi	0814	3.7 gph, 116 psi						
	2502*	0.53 gph, 363 psi	0430✧	7.13 gph, 50.8						
	1006	1.59 gph, 145 psi	0260✧	15.8 gph, 21.8 psi						
	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									
D	100 V 50/60 Hz 1 phase									
E	500 V 50/60 Hz 1 phase									
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]									
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	1000	PP1	0	A	0	0	0	0	

ProMinent® Identcodes Motor Driven Metering Pumps

Sigma/ 1 Basic Identcode Ordering System

S1Ba	Drive Type:											
	H	Main Drive, Diaphragm										
		Verison: Capacity:										
		12017	5.3 gph (20 l/h), 145 psi (10 bar)	07065	20.6 gph (78 l/h), 100 psi (7 bar)	Note: For SS versions see capacity data						
		12035	11.1 gph (42 l/h), 145 psi (10 bar)	07042	13.2 gph (50 l/h), 100 psi (7 bar)							
		10050	15.9 gph (60 l/h), 145 psi (10 bar)	04084	26.7 gph (101 l/h), 58 psi (4 bar)							
		10022	6.9 gph (26 l/h), 145 psi (10 bar)	04120	38 gph (144 l/h), 58 psi (4 bar)							
		10044	14 gph (53 l/h), 145 psi (10 bar)									
		Liquid end material:										
		PV	PVDF									
		SS	316 Stainless Steel									
		Seal:										
		T	PTFE seal									
		Diaphragm type:										
		A	Safety diaphragm w/ pump stop function									
		S	Safety diaphragm w/ visual indicator									
		Liquid end version:										
		0	Without valve springs									
		1	With 2 valve springs (Hastelloy C4, 1 psig)									
		Hydraulic connections:										
		7	PVDF clamping nut & insert									
		8	SS clamping nut & insert									
		Logo:										
		0	Standard with logo									
		Electrical Connection (± 10%):										
		S	3 ph, 230 V/400 V, 50/60 Hz									
		M	1 ph, AC, 230 V, 50/60 Hz									
		N	1 ph, AC, 115 V 60 Hz									
		K	90 VDC Permanent magnet									
		3	Without motor, B5									
		Enclosure rating:										
		0	Standard									
		Stroke sensor:										
		0	Without stroke sensor (Standard)									
		2	With Pacing relay (Consult Factory)									
		Stroke length adjustment:										
0	Manual (Standard)											
1	with 3P stroke positioning motor, 230 V 50/60 Hz											
2	with 3P stroke positioning motor, 115 V 50/60 Hz											
4	W/ stroke positioning moto 4-20 mA, 230 V 50/60 Hz											
6	W/ stroke positioning motor 4-20 mA, 115 V 50/60 Hz											
S1Ba	H	12017	PV	T	0	0	7	0	S	0	0	0

ProMinent® Identcodes Motor Driven Metering Pumps

New Sigma/ 1 Control Identcode Ordering System

S1Cb	Drive Type:																												
	H	Main Drive, Diaphragm																											
		Version: Capacity:																											
		12017	5.3 gph (20 l/h), 145 psi (10 bar)	07065	16.6 gph (63 l/h), 100 psi (7 bar)	Note: For SS versions see capacity data																							
		12035	11.1 gph (42 l/h), 145 psi (10 bar)	07042	13.2 gph (50 l/h), 100 psi (7 bar)																								
		10050	12.9 gph (49 l/h), 145 psi (10 bar)	04084	26.7 gph (101 l/h), 58 psi (4 bar)																								
		10022	6.9 gph (26 l/h), 145 psi (10 bar)	04120	30.9 gph (117 l/h), 58 psi (4 bar)																								
		10044	14 gph (53 l/h), 145 psi (10 bar)																										
		Liquid end material:																											
		PV	PVDF																										
		SS	Stainless Steel																										
		Seal:																											
		T	PTFE seal																										
		Diaphragm type:																											
		S	Multi-layer safety diaphragm w/ visual indicator																										
		A	Multi-layer safety diaphragm w/ pump stop function																										
		Liquid end version:																											
		0	Without valve spring																										
		1	With 2 valve springs																										
		Hydraulic connections:																											
		7	PVDF clamping nut & insert																										
		8	Stainless steel clamping nut & insert																										
		Logo:																											
		0	Standard with logo																										
		Electrical Connection (± 10%):																											
		U	100 - 240 V																										
		Cable and plug:																											
		8	Open end 3m UL/CSA 115/230V																										
		D	North American plug, 115 V																										
		X	Without cable																										
		Relay:																											
		0	No relay																										
		1	Fault indicating relay																										
		3	Option 1 + pacing relay																										
		8	4-20 mA output + fault/pacing relay																										
		Control variant:																											
		0	Manual + External with pulse control (mult/div)																										
		1	Manual + External with pulse control & analog																										
		6	*Option 1 + PROFIBUS® (M12 plug)																										
		Over Pressure Shut-off:																											
		0	Without over pressure shut-off																										
		Operating unit (HMI):																											
		S	HMI + 1.64' (0.5m) cable																										
		1	HMI + 6.5' (2.0 m) cable																										
		2	HMI + 16.4' (5.0 m) cable																										
		X	Without HMI																										
		Access Code:																											
		0	No access code																										
		1	Access code																										
		Language:																											
		EN	English																										
		Approval:																											
		01	CE																										
S1Cb	H	12017	PV	T	S	0	0	0	0	U	D	0	0	0	0	S	EN	01											

*With the option PROFIBUS®-DP no relay can be selected

ProMinent® Identcodes Motor Driven Metering Pumps

Sigma/ 2 Basic Identcode Ordering System

S2Ba Drive Type													
S2Ba	H	Main Drive, Diaphragm	Version Capacity:										
			16050	15.9 gph (60 l/h), 145 psi (10 bar)	07120	39.6 gph (150 l/h), 100 psi (7 bar)							
			16090	28.0 gph (106 l/h), 145 psi (10 bar)	07220	69.7 gph (264 l/h), 100 psi (7 bar)	Note: For SS versions see capacity data						
			16130	41.2 gph (156 l/h), 145 psi (10 bar)	04350	111 gph (420 l/h), 58 psi (4 bar)							
			Liquid end material:										
			PV	PVDF									
			SS	316 Stainless Steel									
			Seal:										
			T	PTFE seal									
			Diaphragm type:										
			S	Safety diaphragm w/ visual indicator									
			A	Safety diaphragm w/ pump stop function									
			Liquid end version:										
			0	Without valve springs									
			1	With 2 valve springs (Hastelloy C4, 1 psig)									
			Hydraulic connections:										
			0	No nuts, No inserts									
			7	PVDF clamping nut & insert									
			8	SS clamping nut & insert									
			Logo:										
			0	Standard with logo									
			Motor mount:										
			2	Without motor, with NEMA 56C flange									
			Enclosure rating:										
			0	Standard									
			Stroke sensor:										
			0	Without stroke sensor (Standard)									
			Stroke length adjustment:										
0	Manual (Standard)												
1	with 3P stroke positioning motor, 230 V 50/60 Hz												
2	with 3P stroke positioning motor, 115 V 50/60 Hz												
4	W/ stroke positioning motor 4-20 mA, 230 V 50/60 Hz												
6	W/ stroke positioning motor 4-20 mA, 115 V 50/60 Hz												
S2Ba	H	16050	PV	T	S	0	7	0	2	0	0	0	

ProMinent® Identcodes Motor Driven Metering Pumps

New Sigma/ 2 Control Identcode Ordering System

S2Cb	Drive Type																				
S2Cb	H	Main Drive, Diaphragm																			
		Version: Capacity:																			
		16050	16.1 gph (61 l/h), 145 psi (10 bar)				07120	39.1 gph (148 l/h), 100 psi (7 bar)				Note: For SS versions see capacity data									
		16090	28.8 gph (109 l/h), 145 psi (10 bar)				07220	71.6 gph (271 l/h), 100 psi (7 bar)													
		16130	35.9 gph (136 l/h), 145 psi (10 bar)				04350	93.0 gph (352 l/h), 58 psi (4 bar)													
		Liquid end material:																			
		PV	PVDF																		
		SS	Stainless Steel																		
		Seal:																			
		T	PTFE seals																		
		Diaphragm type:																			
		S	Multi-layer safety diaphragm w/ visual indicator																		
		A	Multi-layer safety diaphragm w/ pump stop function																		
		Liquid end version:																			
		0	Without valve springs																		
		1	With 2 valve springs (hastelloy C4, 1 psig)																		
		Hydraulic connections:																			
		0	No Nuts, no inserts																		
		7	PVDF clamping nut & insert																		
		8	Stainless steel clamping nut & insert																		
		Logo:																			
		0	Standard with ProMinent logo																		
		Electrical Connection (± 10%):																			
		U	1ph, 115 V - 230 V 50/60Hz																		
		Cable and plug:																			
		8	Open end 3m UL/CSA 115/230V																		
		D	North American plug, 115 V																		
		X	Without cable																		
		Relay:																			
		0	No relay																		
		1	Fault indicating relay																		
		3	Option 1 + pacing relay																		
		8	4-20 mA output + fault/pacing relay																		
		Control variant:																			
		0	Manual + External with pulse control (mult/div)																		
		1	Manual + External with pulse control & analog																		
		6	*Option 1 + PROFIBUS® (M12 plug)																		
		Over Pressure Shut-off:																			
		0	Without over pressure shut-off																		
		Operating unit (HMI):																			
		S	HMI + 1.64' (0.5) cable																		
		1	HMI + 6.5' (2.0 m) cable																		
		2	HMI + 16.4' (5.0 m) cable																		
		X	Without HMI																		
		Access Code:																			
		0	Without access code																		
		1	Access code																		
		Language:																			
		EN	English																		
		approval:																			
																	01	CE			
S2Cb	H	16050	PV	T	S	0	0	0	0	U	D	0	0	0	S	0	EN	01	CE		

*With the option PROFIBUS®-DP no relay can be selected

ProMinent® Identcodes Motor Driven Metering Pumps

Sigma/ 2 HK Basic Identcode Ordering System

S2Ba	Drive Type											
S2Ba	HK	Main Drive/Plunger										
		Version: Capacity:										
		32002	0.6 gph (2.3 l/h), 4640 psi (320 bar)	04522	7.0 gph (27.6 l/h), 652 psi (45 bar)							
		14006	1.8 gph (7.1 l/h), 2030 psi (140 bar)	02541	13.0 gph (49.2 l/h), 363 psi (25 bar)							
		07012	3.9 gph (14.8 l/h), 1015 psi (70 bar)	10006	2.0 gph (7.6 l/h), 1450 psi (100 bar)							
		04022	7.0 gph (26.5 l/h), 580 psi (40 bar)	05016	5.2 gph (20 l/h), 725 psi (50 bar)							
		23004	1.2 gph (4.8 l/h), 3335 psi (230 bar)	02534	10.7 gph (40.8 l/h), 363 psi (25 bar)							
		10011	3.4 gph (13.1 l/h), 1450 psi (100 bar)	01264	20.1 gph (76 l/h), 174 psi (12 bar)							
		Liquid end material:										
		SS	316 Stainless Steel									
		Seal:										
		T	PTFE seal									
		Plunger assembly:										
		4	Plunger (Ceramic)									
		Liquid end version:										
		0	Without valve springs									
		1	With 2 valve springs (Hastelloy C4, 1 psig)									
		Hydraulic connections:										
		0	Standard (In accordance with technical data)									
		Logo:										
		0	Standard with logo									
		Motor mount:										
		2	Without motor, with NEMA 56C flange									
		Enclosure rating:										
		0	Standard									
		Stroke sensor:										
		0	Without stroke sensor (Standard)									
		1	With Pacing relay (Consult Factory)									
		Stroke length adjustment:										
		0	Manual (Standard)									
		1	with 3P stroke positioning motor, 230 V 50/60 Hz									
		2	with 3P stroke positioning motor, 115 V 50/60 Hz									
		4	W/ stroke positioning motor 4-20 mA, 230 V 50/60 Hz									
		6	W/ stroke positioning motor 4-20 mA, 115 V 50/60 Hz									
S2Ba	HK	32002	SS	T	4	0	0	0	2	0	0	0

ProMinent® Identcodes Motor Driven Metering Pumps

Sigma/ 2 HK Control Identcode Ordering System

S2Ca Drive Type																	
SC2a	HK	Main drive/Plunger															
		Version:		Capacity:													
		32002	0.6 gph, 4640 psi, 2.3 l/h, 320 bar	04522	7.0 gph, 652 psi, 27.6 l/h, 45 bar												
		14006	1.8 gph, 2030 psi, 7.1 l/h, 140 bar	02541	13.0 gph, 363 psi, 49.2 l/h, 25 bar												
		07012	3.9 gph, 1015 psi, 14.8 l/h, 70 bar	10006	1.7 gph, 1450 psi, 6.5 l/h, 100 bar												
		04022	7.0 gph, 580 psi, 26.5 l/h, 40 bar	05016	4.5 gph, 725 psi, 17.2 l/h, 50 bar												
		23004	1.2 gph, 3335 psi, 4.8 l/h, 230 bar	02534	9.2 gph, 363 psi, 35.0 l/h, 25 bar												
		10011	3.4 gph, 1450 psi, 13.1 l/h, 100 bar	01264	17.3 gph, 174 psi, 65.4 l/h, 12 bar												
		Liquid end material:															
		SS	316 Stainless Steel														
		Seal material:															
		T	PTFE seal														
		Plunger:															
		4	Plunger (Ceramic)														
		Liquid end version:															
		0	Without valve springs														
		1	With 2 valve springs (Hastelloy C, 1 psig)														
		Hydraulic connections:															
		0	Standard (In accordance with technical data)														
		Logo:															
		0	Standard with logo														
		Electrical Connection:															
		U	1 ph, 115-230 V ± 10%, 50/60 Hz														
		Cable and plug with 6 ft (2 m) power cord, single phase:															
		A	6 ft European														
		D	6 ft USA														
		U	6 ft USA, 230 V														
		Relay:															
		0	No relay														
		1	Fault annunciating relay, drops out														
		3	Fault annunciating relay, pulls in														
		4	Option 1 + pacing relay														
		5	Option 3 + pacing relay														
		Control variant:															
		0	Manual + External with pulse control (multiplier/divider)														
		1	Manual + External with pulse controls & analog control														
		4	Option 0 + Timer														
		5	Option 1 + Timer														
		P	Option 1 + PROFIBUS (Relay must be 0)														
		Access Code:															
		0	No access code														
		1	Access code														
		Flow monitor:															
		0	Input for metering monitor signal (pulse)														
		Stroke length adjustment:															
		0	Manual														
SC2a	HK	32002	SS	T	4	0	0	0	0	U	A	0	0	0	0	0	

ProMinent® Identcodes Motor Driven Metering Pumps

Sigma/ 3 Basic Identcode Ordering System

S3Ba Drive Type													
S3Ba	H	Main Drive, Diaphragm											
		Version:		Capacity:									
		120145	46.0 gph (174 l/h), 145 psi (10 bar)	070410	130.0 gph (492 l/h), 100 psi (7 bar)								
		120190	66.2 gph (251 l/h), 145 psi (10 bar)	070580	183.9 gph (696 l/h), 100 psi (7 bar)	Note: For SS versions see capacity data							
		120270	92.6 gph (350 l/h), 145 psi (10 bar)	040830	264.2 gph (1000 l/h), 58 psi (4 bar)								
		Liquid end material:											
		PV	PVDF										
		SS	316 Stainless Steel										
		Seal:											
		T	PTFE										
		Diaphragm type:											
		S	Safety diaphragm w/ visual indicator										
		A	Safety diaphragm w/ pump stop fuction										
		Liquid end version:											
		0	Without valve springs										
		1	With 2 valve springs (Hastelloy C4, 1 psig)										
		Hydraulic connections:											
		7	PVDF clamping nut & insert										
		8	SS clamping nut & insert										
		Logo:											
		0	Standard with logo										
		Motor mount:											
		2	Without motor, with NEMA 56C flange										
		Enclosure rating:											
		0	Standard										
		Stroke sensor:											
		0	Without stroke sensor (Standard)										
		2	With Pacing relay (Consult Factory)										
		Stroke length adjustment:											
		0	Manual (Standard)										
		1	with 3P stroke positioning motor, 230 V 50/60 Hz										
		2	with 3P stroke positioning motor, 115 V 50/60 Hz										
		4	W/ stroke positioning motor 4-20 mA, 230 V 50/60 Hz										
		6	W/ stroke positioning motor 4-20 mA, 115 V 50/60 Hz										
S3Ba	H	120145	PV	T	0	0	7	0	2	0	0	0	0

ProMinent® Identcodes Motor Driven Metering Pumps

New Sigma/ 3 Control Identcode Ordering System

S3Cb	Drive Type																
S3Cb	H	Main Drive, Diaphragm															
		Version: Capacity:															
		120145	48.1 gph (182 l/h), 145 psi (10 bar)				070410	132.1 gph (500 l/h), 100 psi (7 bar)				Note: For SS versions see capacity data					
		120190	64.2 gph (243 l/h), 145 psi (10 bar)				070580	177 gph (670 l/h), 100 psi (7 bar)									
		120270	96.4 gph (365 l/h), 145 psi (10 bar)				040830	274.7 gph (1040 l/h), 58 psi (4 bar)									
		Liquid end material:															
		PV	PVDF max. 145 psi (10 bar)														
		SS	Stainless Steel														
		Seal:															
		T	PVDF with PTFE/Viton® seal														
		Diaphragm type:															
		S	Multi-layer safety diaphragm w/ visual indicator														
		A	Multi-layer safety diaphragm w/ pump stop function														
		Liquid end version:															
		0	Without valve springs														
		1	With 2 valve springs (Hastelloy C4, 1 psig)														
		Hydraulic connections:															
		0	Standard connection														
		7	PVDF clamping nut & insert														
		8	Stainless steel clamping nut & insert														
		Logo:															
		0	Standard with ProMinent logo														
		Electrical Connection (± 10%):															
		U	1ph, 115 V - 230 V 50/60Hz														
		Cable and plug:															
		8	Open end 3m UL/CSA 115/230V														
		D	North American plug, 115 V														
		X	Without cable														
		Relay:															
		0	Without relay														
		1	Fault annunciating relay														
		3	Option 1 + Pacing Relay														
		8	Option 3 + 4-20 mA output														
		Control variant:															
		0	Manual + External with pulse control (mult/div)														
		1	Manual + External with pulse control & analog														
		6	*Option 1 + PROFIBUS® (M12 Plug)														
		Over Pressure Shut-off:															
		0	Without over pressure shut-off														
		Operating unit (HMI):															
		S	HMI + 1.64' (0.5m) cable														
		1	HMI + 6.5' (2.0 m) cable														
		2	HMI + 16.4' (5.0 m) cable														
		X	Without HMI														
		Access Code:															
		0	Without access code														
		1	Access code														
		Language:															
		EN	English														
		Approval:															
			01	CE													
S3Cb	H	120145	PV	T	A	0	7	0	U	D	0	0	0	1	0	EN	01

*With the option PROFIBUS®-DP no relay can be selected

ProMinent® Identcodes Motor Driven Metering Pumps

ProMus Identcode Ordering System

ProMus1 Pump Version:											
	17A	Size 17 liquid end with 3/8" Plunger				30C	Size 30 liquid end with 1-1/8" Plunger				
	17B	Size 17 liquid end with 7/16" Plunger				40A	Size 40 liquid end with 1-3/4" Plunger				
	30A	Size 30 liquid end with 5/8" Plunger				40B	Size 40 liquid end with 2" Plunger				
	30B	Size 30 liquied end with 13/16" Plunger				40C	Size 40 liquid end with 2-1/4" Plunger				
	Liquid end material:										
	SS1	316 Stainless steel Single ball check									
	SS2	316 Stainless steel Double ball check (*Needed for applications above 500 psi)									
	SS3	316 St. steel Single inlet, Double outlet (Rcmd. for Flooded suction w/ discharge pressure above 500 psi)									
	PVT	PVDF/PTFE size 17 Double inlet & outlet; sizes 30/40 Single inlet & outlet									
	Connectors:										
	0	NPT									
	1	BSP taper									
	7	MNPT PVDF Standard (PVT LE only)									
	Gear ratio:										
	1	12.5:1 56C									
	2	15:1 56C									
	3	30:1 56C									
	4	40:1 56C									
	5	50:1 56C									
	6	12.5:1 IEC (IEC 71 with B5 flange)									
	7	15:1 IEC (IEC 71 with B5 flange)									
	8	30:1 IEC (IEC 71 with B5 flange)									
	9	40:1 IEC (IEC 71 with B5 flange)									
	10	50:1 56C IEC (IEC 71 with B5 flange)									
	11	100:1 (17A 3/8 plunger only) 56C									
Motor:											
X	No motor included										
D	Standard motor (1/2 HP, 115V, single phase, TEFC, NEMA 56C)										
Base:											
0	Standard Base										
Stroke Adjustment:											
1	Manual stroke adjustment										
7	Explosion proof NEMA 7										
Internal relief valve:											
A	3500 psi/size 17										
B	2080 psi/size 17										
C	1230 psi/size 17										
D	640 psi/size 17										
E	300 psi/size 17										
F	2080 psi/size 30										
G	1230 psi/size 30										
H	640 psi/size 30										
I	265 psi/sizes 30 & 40										
J	200 psi/sizes 30 & 40										
K	160 psi (30B, C & 40)										
Hydraulic oil:											
0	Standard										
ProMus1	17A	SS1	0	1	X	0	1	A	0		

ProMinent® Identcodes Motor Driven Metering Pumps

Makro TZ Identcode Ordering System

TZMb	Drive Type:													
	H	Main Drive												
		Pump Type:												
		120260	82 gph, 174 psi	070720	228 gph, 100 psi									
		120340	108 gph, 174 psi	070860	272 gph, 100 psi									
		120430	136 gph, 174 psi	040840	266 gph, 58 psi									
		120510	162 gph, 174 psi	041100	348 gph, 58 psi									
		070430	136 gph, 100 psi	041400	443 gph, 58 psi									
		070570	180 gph, 100 psi	041670	529 gph, 58 psi									
		Liquid end material:												
		PC	PVC											
		PP	Polypropylene											
		SS	Stainless Steel											
		TT	PTFE + 25% carbon											
		Seal material:												
		T	PTFE											
		Positive displacement element:												
		1	Standard composi diaphragm with rupture indicator											
		Liquid end version:												
		0	No valve springs											
		1	With valve springs											
		Hydraulic connection:												
		0	Standard connection	3	PVDF union nut and insert									
		1	PVC union nut and insert	4	SS union nut and insert									
		2	PP union nut and insert											
		Versions:												
		0	with ProMinent® logo											
		Electrical power supply:												
		0	add-on drive unit without electrical connection											
		4	No motor, with 56 C flange											
		Enclosure rating:												
		0	IP 55 (Standard) ISO class F											
		Stroke sensor:												
		0	No stroke sensor											
		1	With stroke sensor (Namura)											
		Stroke length adjustment:												
		0	Stroke length adjustment, man.											
		1	230 V stroke actuator											
		2	115 V stroke actuator											
		3	230 V 0-20 mA stroke controller											
		4	230 V 4-20 mA stroke controller											
		5	115 V 0-20 mA stroke controller											
		6	115 V 4-20 mA stroke controller											
		Applications												
		0	Standard											
TZMb	H	120260	PC	T	1	0	0	0	0	0	0	0	0	0

ProMinent® Identcodes DULCOMETER® Instrumentation

D1C (Version b & c) Identcode Ordering System

D1C Series																			
B	Wall mount version																		
C	Panel mount version																		
Type of Mounting:																			
W	Wall mounting (IP 65, D1Cb only)																		
D	Panel mounting (IP 54, D1Cc only)																		
Execution:																			
00	w/h LCD + keypad, w/h PM - Logo																		
Operating Voltage:																			
6	90 - 253 VAC 50/60 Hz																		
Approvals:																			
01	CE approval																		
Hardware add-on I:																			
0	None																		
Hardware add-on II:																			
0	None																		
1	RC protection for power relays (only D1Cb)																		
External connection:																			
0	None																		
Preset software functions:																			
V	Preset software functions																		
Measured Variables:																			
0	None																		
A	Peracetic acid																		
B	Bromine																		
C	Chlorine																		
D	Chlorine dioxide																		
F	Fluoride																		
H	Hydrogen peroxide																		
L	Conductivity via mA transducer																		
I	Chlorite																		
P	pH																		
R	ORP (Redox)																		
S	0/4-20 mA norm signal																		
X	Dissolved oxygen																		
Z	Ozone																		
T	Temperature via mA transducer																		
		*Must include signal converter (pn. 809128)																	
Connection of measured variable:																			
1	Standard signal 0/4-20 mA, all measured variables																		
2	SN6 plug (mounting type "W" D1Cb only)																		
5	mV input for pH/redox via guard terminal																		
Correction variable:																			
0	None																		
2	Temperature Pt 100 / Pt 1000 (pH/conductivity)																		
4	Manual temperature input (pH/conductivity)																		
Control inputs:																			
0	None																		
1	Pause																		
Signal Output																			
0	None (Standard)																		
1	4-20 analog output																		
Relay Outputs:																			
G	Alarm and 2 limit relays or 2 timer relays																		
M	Alarm and 2 limit relays or 2 relays																		
Pump pacing:																			
0	No pumps																		
2	Two pumps																		
Control Action:																			
0	None																		
1	Proportional control																		
2	PID control																		
Language:																			
00	Language neutral																		
D1C	B	W	00	6	01	0	0	0	0	V	0	1	0	0	0	0	G	0	00

ProMinent® Identcodes DULCOMETER® Instrumentation

dialog DACa Identcode Ordering System

DACa	Version:														
	00	Wall mounted with ProMinent® logo													
		Operating voltage:													
		6	90 - 253 V, 50/60 Hz												
			Channel 1 (the measured variable is selected during initial commissioning):												
			1	Measurement + control, 2 pumps, 2 control inputs, 2 mA outputs											
				Channel 2 (the measured variable is selected during initial commissioning or software presetting):											
				0	No 2nd channel										
				2	Package 2: Disturbance variable (mA) or external setpoint specification via mA or pH compensation for chlorine (all acting on channel 1)										
				3	Package 3: 2nd measurement + control, additionally 2 pumps, additionally 3 control inputs										
				4	Package 4: 2nd measurement + control, additionally 2 pumps, additionally 3 control inputs, disturbance variable (mA or frequency), pH compensation for chlorine										
				Software presents:											
				0	No default settings										
				3	pH-/ORP measurement/control (pH 2 way, ORP 1 way)										
				4	pH-/Cl2 measurement/control (pH 2 way, chlorine 1 way)										
				5	pH-/ClO2 measurement/control (pH 2 way, chlorine dioxide 1 way)										
				6	pH-/Cl2 measurement/control with disturbance variable (pH 2 way, chlorine 1 way)										
				7	ClO2-/ORP measurement/control (chlorine dioxide 1 way, ORP for monitoring)										
				Channel connections:											
				0	Channel 1 / 2 via terminals (mA and mV)										
				1	Channel 1 via SN 6 coaxial connection (only for pH and ORP via mV)										
				2	Channel 2 via SN 6 coaxial connection (only for pH and ORP via mV)										
				3	Channel 1 and 2 via SN 6 coaxial connection (only for pH and ORP via mV)										
				Connection of digital sensors / actuators:											
				0	None										
				Communication:											
				0	None										
				Data logger:											
				0	No data logger										
				1	Data logger with measured value display and SD card										
				Hardware upgrade:											
				0	None										
				1	Protective RC circuit for power relay										
				Approvals:											
					01	None (CE standard)									
				Certificates:											
					0	None									
				Documentation language:											
						EN	English								
DACa	00	6	1	0	0	0	0	0	0	0	0	0	01	0	EN

ProMinent® Identcodes DULCOMETER® Instrumentation

DMT Transmitters Identcode Ordering System

DMT	Version:													
	A													
		Type of Mounting:												
		W	Wall mounted (also rail mounted)											
		S	Control panel installation¹											
		Logo:												
		0	With ProMinent® logo											
		Electrical connection:												
		9	Ring main 4-20 mA (two wire technology), operating voltage 16-40 V DC, nominal 24 V DC											
		5	PROFIBUS® DP, operating voltage 16 - 30 V DC, nominal 24 V DC (only if communication interface = PROFIBUS® DP)											
		Communication interface:												
		0	None											
		4	PROFIBUS® DP (assembly type W only)											
		Measured variable 1:												
		P	pH											
		R	Redox											
		T	Temperature											
		C	Chlorine											
		L	Conductivity											
		Measured variable 2 (Correcting value):												
		1	Temperature Pt 1000 / Pt 100											
		0	None (in the case of measured variable T)											
		Enclosure rating:												
		0	Standard											
		Language:												
		E	English											
		Presetting A, probe:												
		0	Standard ProMinent® buffer solution pH 4-7-10											
		Presetting B, probe:												
		0	Autom. Temperature measurement (standard)											
		1	Manual temperature measurement											
		2	Autom./manual temperature measurement											
		9	No temperature measurement											
		Presetting C, output:												
		0	Prop. Measured variable (standard)											
		1	Manual adjustable current value											
		2	Proportional or manual											
		3	Proportional or manual hold											
		4	4 mA constant current											
		Presetting C:												
		0	Standard											
DMT	A	W	0	9	0	P	1	0	E	0	0	0	0	

ProMinent® Identcodes DULCOMETER® Instrumentation

DULCOMARIN® II DXC Range Identcode Ordering System

DXCa	Mounting type									
	W	Wall mounted (IP 65)								
	S	Control cabinet (IP 54)								
	Version									
	0	with operating elements								
	D	with operating elements for use in drinking water/disinfection applications								
	Communication interfaces									
	0	None								
	5	Embedded Web Server, LAN including 5m LAN patch cable 1:1, LAN coupling, 5m crossover cable ¹								
	6	OPC server + embedded web server, LAN including 5m LAN patch cable 1:1, LAN coupling, 5m crossover cable ¹								
	Options									
	0	None								
	1	Videographic recorder with data logger including SD card and USB card reader for PC								
	Module 1:									
	M	M module, measurement module for pH, ORP, temperature								
	A	A module, control module: 3 pump and 4 analog outputs								
	I	I module, current input module, 3 mA, 2 digital inputs								
	Module 2:									
	0	Not in use								
	A	A module, control module: 3 pump and 4 analog outputs								
	M	M module, measuring module pH, ORP, temperature								
	I	I module, current input module, 3 mA, 2 digital inputs								
	Module 3:									
	P	P module, mains power module, 1 alarm relay, 3 solenoid valve relays								
	N	N module, mains power module without relay								
	Application:									
	S	Swimming pool								
	D	Drinking water/disinfection								
	Preset language:									
	EN	English								
	Approvals:									
	01	CE-mark								
DXCa	W	0	0	0	M	0	P	S	EN	1

ProMinent® Identcodes DULCOMETER® Instrumentation

DULCOMARIN® II Series DXM Identcode Ordering System

DXMa	Module:						
	M	M module, measuring module: pH, ORP, temperature					
	A	A module, control module: 3 pump and 4 analog outputs					
	R	R module, control module: chlorine gas metering unit with feedback					
	N	N module, mains power module without relay					
	P	P module, mains power module with relay, only mounting type "O"					
	I	I module, current input module, 3 mA inputs, 2 digital inputs					
	G	G module					
	Installation:						
	0	No housing, only P module (IP 00)					
	W	Wall mounting (IP 65)					
	E	Retrofit module (installation module for DXCa, IP 20)					
	Version:						
	0	With controls (only M module, mounting type W)					
	2	Without controls					
	3	Without controls (only mounting type "E" and "H")					
	Application:						
	0	Standard					
	S	Swimming pool (only M module)					
	D	Drinking water/disinfection (only I module)					
	Language default:						
	EN	English					
	Approvals:						
	00	No approval, only P module without housing					
	01	CE mark					
DXMa	M	0	0	0	EN	0	

ProMinent® Identcodes Cooling Tower & Boiler Controllers

ProMtrac Identcode Ordering System

ProMinent®

PRMT	Version:															
	A															
		Enclosure Type:														
		0	Standard													
			pH/ ORP Sensor:													
			0	None												
			1	pH												
			2	ORP												
				4-20mA Analog Input:												
				0	None											
				1	One											
					4-20 mA Analog Output:											
					0	none										
					1	one										
					2	two										
					Make-up Conductivity Sensor:											
					0	None										
					1	One										
					Power Cord:											
					0	None										
					1	US Standard 115 V										
					2	230 VAC North American Plug										
					Umbilical Outlets:											
					0	None										
					1	Quad-Box 115 VAC										
					2	Four Outlet Cords 115 VAC										
					Expansion:											
					0	None										
					Remote Communications:											
					0	None										
					Accessories:											
					0	None										
					Execution:											
					0	Standard										
					Language:											
					0	English										
					Approval:											
					0	Standard										
PRMT	A	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0

ProMinent® Identcodes

Cooling Tower & Boiler Controllers

MicroFLEX Identcode Ordering System

M02	Series Version:				
	A	MicroFLEX 2 Controller Version A: Two relay controller with conductivity and temperature inputs, single inhibitor feed based on water meter input, bleed or % time with overfeed protection, flow switch/status input, 2 line display and 5 key universal keypad.			
		Application:			
		COIN	Cooling Tower		
		BBIN	Boiler		
		CLAH	Closed loop reverse conductivity		
		CMAH	Condensate monitor		
		Expansion Option:			
		XX	None		
		CL	4-20 mA output on conductivity		
		LB	Ethernet networking		
		AR	Dry contact alarm relay		
		Remote communications:			
		0	None		
		Approvals:			
		01	Standard		
M02	A	COIN	XX	0	01

ProMinent® Identcodes Cooling Tower & Boiler Controllers

MultiFlex 5 Identcode Ordering System

M05	Series Version:												
	A	MultiFLEX 5 Controller Version A: Includes 5 universally controlled powered (120/240VAC) relays, 6 status/water meter digital inputs, 7 analog input/output channels, a 4 line 20 character back lit display, 5 key universal keypad and an Ethernet port with Browser communications. Can be programmed for cooling, boiler, process or mixture of all on one unit.											
		Application:											
		B	Boiler										
		T	Tower, combination, or monitor										
		X	Custom application with factory configuration										
		I/O Expansion Slot 'A' and 'B'. (*options marked are tower only):											
		XX	None					RR*	Dual ORP - Relay				
		B1	Single Boiler Conductivity with Blowdown Relay					O2*	Dual ORP - Monitor				
		BM	Single Boiler Conductivity - Monitor					OP*	ORP and pH - Relay				
		B2	Dual Boiler Conductivity with Blowdown Relay					MM*	ORP and pH - Monitor				
		BB	Dual Boiler Conductivity - Monitor					CR*	Single corrosion rate				
		CC	Boiler Condensate Conductivity/Temp - Relay					DC*	Dual corrosion rate				
		CN	Boiler Condensate Conductivity/Temp - Monitor					CI	Single 4-20 mA Input - Relay				
		PC	Single Boiler Condensate pH - Relay					IM	Single 4-20 mA Input - Monitor				
		PN	Single Boiler Condensate pH - Monitor					2I	Dual 4-20 mA Input 1 relay				
		CO*	Cooling Tower Conductivity/Temp - Relay					I2	Dual 4-20 mA Input 2 relays				
		CM*	Cooling Tower Conductivity/Temp - Monitor					2M	Dual 4-20 mA Input Monitor				
		PH*	Single Cooling Tower pH - Relay					II	Dual 4-20 mA Input (isolated) 1 relay				
		PM*	Single Cooling Tower pH - Monitor					I3	Dual 4-20 mA Input (isolated) 2 relays				
		PP*	Dual Cooling Tower pH - Relay					I4	Dual 4-20 mA Input (isolated) Monitor				
		P2*	Dual Cooling Tower pH - Monitor					IO	Single 4-20 mA Output				
		PT*	Single pH/Temp (Temperature compensated pH)					OO	Dual 4-20 mA Output				
		OR*	Single ORP - Relay					RS	Rate to Stroke driver				
		OM*	Single ORP - Monitor					CS	Conduct continuous sample monitor				
		I/O Expansion Slot 'C' and 'D':											
		XX	Use same selection options as expansion slot 'A' and 'B'										
		I/O Expansion Slot 'E' and 'F':											
		XX	Use same selection options as expansion slot 'A' and 'B'										
		I/O Expansion Slot 'G':											
		XX	Same choices as Slot A/B except only single expansion card options allowed										
		Pre-wired power relay plug box:											
		0	None		3	Three outlets							
		1	One outlet		4	Four outlets							
		2	Two outlets		5	Five outlets							
		Inhibitor powered relays (tower only):											
		0	None		3	Three							
		1	One		4	Four							
		2	Two										
		Timed biocide powered relays:											
		0	None		3	Three							
		1	One		4	Four							
		2	Two										
		Internal boiler treatment:											
		0	None		5	Five							
		1	One		6	Six							
		2	Two		7	Seven							
		3	Three		8	Eight							
		4	Four										
		Remote communications:											
		0	None										
		P	Phone modem communications with data logging										
		Feed verifications:											
		0	None				3	Feed verification (3)					
		1	Feed verification (1)				4	Feed verification (4)					
		2	Feed verification (2)										
		Operating Voltage:											
			A				115 VAC 50/60 Hz						
			B				230 VAC 50/60 Hz						
M05	A	B	XX	XX	XX	XX	0	0	0	0	0	0	A

ProMinent® Identcodes Cooling Tower & Boiler Controllers

MultiFlex 10 Identcode Ordering System

M10	Series Version:																
A	MultiFLEX 10 Controller Version A: Includes 10 universally controlled powered (120/240VAC) relays, 12 status/water meter digital inputs, 14 analog input/output channels, 4 line 20 character backlit display, 5 key universal keypad and an Ethernet port with Browser communications. Can be programmed for cooling, boiler, process or a mixture of all on one unit.																
	Application:																
	B	Boiler															
	T	Tower, combination, or monitor															
	X	Custom application with factory configuration															
	I/O Expansion Slot 'A' and 'B'. (*options marked are tower only):																
	XX	None				RR*	Dual ORP - Relay										
	B1	Single Boiler Conductivity with Blowdown Relay				O2*	Dual ORP - Monitor										
	BM	Single Boiler Conductivity - Monitor				OP*	ORP and pH - Relay										
	B2	Dual Boiler Conductivity with Blowdown Relay				MM*	ORP and pH - Monitor										
	BB	Dual Boiler Conductivity - Monitor				CR*	Single corrosion rate										
	CC	Boiler Condensate Conductivity/Temp - Relay				DC*	Dual corrosion rate										
	CN	Boiler Condensate Conductivity/Temp - Monitor				CI	Single 4-20 mA Input - Relay										
	PC	Single Boiler Condensate pH - Relay				IM	Single 4-20 mA Input - Monitor										
	PN	Single Boiler Condensate pH - Monitor				2I	Dual 4-20 mA Input 1 relay										
	CO*	Cooling Tower Conductivity/Temp - Relay				I2	Dual 4-20 mA Input 2 relays										
	CM*	Cooling Tower Conductivity/Temp - Monitor				2M	Dual 4-20 mA Input Monitor										
	PH*	Single Cooling Tower pH - Relay				II	Dual 4-20 mA Input (isolated) 1 relay										
	PM*	Single Cooling Tower pH - Monitor				I3	Dual 4-20 mA Input (isolated) 2 relays										
	PP*	Dual Cooling Tower pH - Relay				I4	Dual 4-20 mA Input (isolated) Monitor										
	P2*	Dual Cooling Tower pH - Monitor				IO	Single 4-20 mA Output										
	PT*	Single pH/Temp (Temperature compensated pH)				OO	Dual 4-20 mA Output										
	OR*	Single ORP - Relay				RS	Rate to Stroke driver										
	OM*	Single ORP - Monitor															
	I/O Expansion Slot 'C' and 'D':																
	XX	Use same selection options as expansion slot 'A' and 'B'															
	I/O Expansion Slot 'E' and 'F':																
	XX	Use same selection options as expansion slot 'A' and 'B'															
	I/O Expansion Slot 'G' and 'H':																
	XX	Use same selection as expansion slot 'A' and 'B'															
	I/O Expansion Slot 'I' and 'J':																
	XX	Use same selection options as expansion slot 'A' and 'B'															
	I/O Expansion Slot 'K' and 'L':																
	XX	Use same selection options as expansion slot 'A' and 'B'															
	I/O Expansion Slot 'M' and 'N':																
	XX	Use same selection options as expansion slot 'A' and 'B'															
	Pre-wired power relay plug box:																
	0	None				6	Six outlets										
	1	One outlet				7	Seven outlets										
	2	Two outlets				8	Eight outlets										
	3	Three outlets				9	Nine outlets										
	4	Four outlets				A	Ten outlets										
	5	Five outlets															
	Inhibitor powered relays (tower only):																
	0	None				3*	Three										
	1*	One				4*	Four										
	2*	Two															
	Timed biocide powered relays:																
	0	None				3	Three										
	1	One				4	Four										
	2	Two															
	Internal boiler treatment:																
	0	None				5	Five										
	1	One				6	Six										
	2	Two				7	Seven										
	3	Three				8	Eight										
	4	Four															
	Remote communications:																
	0	None															
	P	Phone modem communications with data logging															
	Feed verifications:																
	0	None															
	1	Feed verification (1)															
	2	Feed verification (2)															
	3	Feed verification (3)															
	4	Feed verification (4)															
	Operating Voltage:																
	A	115 VAC 50/60 Hz															
	B	230 VAC 50/60 Hz															
M10	A	B	XX	XX	XX	XX	XX	XX	XX	0	0	0	0	0	0	A	

ProMinent®

AIGA Series Version:															
A	Browser command & control with live views via 10 Base T TCP-IP Ethernet LAN port. User configurable I/O including 8 universal digital inputs for water meter or contact sets, 5 ON/OFF powered relays for pump and valve control and 4 variable frequency pulse pump speed controls. Standard unit includes conductivity, temperature and 4-20 mA inputs. Sensors not included.														
	Base (built-in) conductivity, inputs 'A' and 'B':														
	0	None													
	1	CTF Cooling tower conductivity-temperature-flow switch input (with Blowdown relay)													
	2	Cooling tower conductivity-temperature input (with Blowdown relay)													
	3	Boiler conductivity sensor input (with Blowdown relay)													
	4	Condensate conductivity-temperature input (with Blowdown relay)													
	5	Conductivity continuous sample monitor													
	Expansion Slot #1, Inputs 'C' and 'D':														
	XX	None		OM	Single ORP - Monitor										
	B1	Single boiler conductivity with blowdown relay		RR	Dual ORP - Control										
	BM	Single boiler conductivity - monitor		O2	Dual ORP - Monitor										
	B2	Dual boiler conductivity with blowdown relay		OP	ORP and pH - Control										
	BB	Dual boiler conductivity - monitor		MM	ORP and pH - Monitor										
	CC	Boiler condensate conductivity/temp - relay		CR	Single Corrosion Rate										
	CN	Boiler condensate conductivity/temp - monitor		DC	Dual Corrosion Rate										
	PC	Single boiler condensate pH - control		CI	Single 4-20 mA input - Control										
	PN	Single boiler condensate pH - monitor		IM	Single 4-20 mA input - Monitor										
	CO	Cooling tower conductivity/temp - relay		2I	Dual 4-20 mA input 1 Control										
	CM	Cooling tower conductivity/temp - monitor		2M	Dual 4-20 mA input 2 Control										
	PH	Single cooling tower pH - control		I	Dual 4-20 mA input (isolated) 1 Control										
	PM	Single cooling tower pH - monitor		I3	Dual 4-20 mA input (isolated) 2 Control										
	PP	Dual cooling tower pH - control		I4	Dual 4-20 mA input (isolated) Monitor										
	P2	Dual Cooling Tower pH - Monitor		IO	Single 4-20 mA output										
	PT	Single pH/Temp (temperature compensated pH)		OO	Dual 4-20 mA output										
	OR	Single ORP - Control													
	Expansion Slot #2, Inputs 'E' and 'F':														
	XX	None		OR	Single ORP - Control										
	B1	Single Boiler Conductivity with Blowdown Relay		OM	Single ORP - Monitor										
	BM	Single Boiler Conductivity - Monitor		RR	Dual ORP - Control										
	B2	Dual Boiler Conductivity with Blowdown Relay		O2	Dual ORP - Monitor										
	BB	Dual Boiler Conductivity - Monitor		OP	ORP and pH - Control										
	CC	Boiler Condensate Conductivity/Temp - Relay		MM	ORP and pH - Monitor										
	CN	Boiler Condensate Conductivity/Temp - Monitor		CR	Single Corrosion Rate										
	PC	Single Boiler Condensate pH - Control		DC	Dual Corrosion Rate										
	PN	Single Boiler Condensate pH - Monitor		CI	Single 4-20 mA input - Control										
	CO	Cooling Tower Conductivity/Temp - Relay		IM	Single 4-20 mA input - Monitor										
	CM	Cooling Tower Conductivity/Temp - Monitor		2I	Dual 4-20 mA input 1 Control										
	PH	Single Cooling Tower pH - Control		I2	Dual 4-20 mA input 2 Control										
	PM	Single Cooling Tower pH - Monitor		2M	Dual 4-20 mA input Monitor										
	PP	Dual Cooling Tower pH - Control		IO	Single 4-20 mA output										
	P2	Dual Cooling Tower pH - Monitor		OO	Dual 4-20 mA output										
	PT	Single pH/Temp (temperature compensated pH)													
	4-20 mA input, Input 'G':														
	0	Standard feature. Input can be used for any 4-20 mA input single (See sensor list for loop powered torroidal choices)													
	1	Torroidal Conductivity													
	Pump Output Type (includes 1 powered relay for blowdown):														
	P	Powered (120/240VDC) relays (4 max)													
	V	Variable frequency pulse out (4 max)													
	X	Combination of P and V (must select X for factory configuration)													
	Factory configuration (assign inputs/outputs, etc.)														
	0	None													
	T	Cooling tower - factory configuration													
	B	Boiler - factory configuration													
	X	Factory configuration (must supply worksheet)													
	C	Cooling tower trim feed													
	Pre-wired power relay plug cables:														
	0	None	3	Three											
	1	One	4	Four											
	2	Two	5	Five											
	Pre-wired power relay plug box:														
	0	None	3	Three outlets											
	1	One outlet	4	Four outlets											
	2	Two outlets	5	Five outlets											
	Inhibitor on/off outputs (tower only)														
	0	None													
	1	One													
	2	Two													
	Timed biocide on/off outputs:														
	0	None	2	Two											
	1	One	3	Three											
	Internal boiler treatment on/off outputs														
	0	None	3	Three											
	1	One	4	Four											
	2	Two	5	Five											
	Enclosure Option:														
	0	Standard enclosure 7.5"W x 11.3"H													
	S	Standard enclosure with mains switch													
	E	Extra large enclosure 16"W x 14"H													
	F	Extra large enclosure 16"W x 14"H w/ mains switch													
	Remote communications:														
	0	Standard option; Ethernet port													
	P	Phone Modem													
	M	Modbus													
	R	Alarm Relay													
	N	Modbus + Alarm Relay													
	Operating Voltage:														

ProMinent® Identcodes Cooling Tower & Boiler Controllers

ProMtrac Identcode Ordering System

PRMT	Version:																										
	A																										
		Enclosure Type:																									
		0	Standard																								
			pH/ ORP Sensor:																								
			0	None																							
			1	pH																							
			2	ORP																							
				4-20mA Analog Input:																							
				0	None																						
				1	One																						
					4-20 mA Analog Output:																						
					0	none																					
					1	one																					
					2	two																					
						Make-up Conductivity Sensor:																					
						0	None																				
						1	One																				
							Power Cord:																				
							0	None																			
							1	US Standard 115 V																			
							2	230 VAC North American Plug																			
								Umbilical Outlets:																			
								0	None																		
								1	Quad-Box 115 VAC																		
								2	Four Outlet Cords 115 VAC																		
									Expansion:																		
									0	None																	
										Remote Communications:																	
										0	None																
											Accessories:																
											0	None															
												Execution:															
												0	Standard														
													Language:														
													0	English													
														Approval:													
														0	Standard												
PRMT	A	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0											

ProMinent® Identcodes DULCOTEST® Sensors

pH Sensor with SN6 or Vario Pin Identcode Ordering System

Series:

PHE pH sensor

Properties:

- X with solid electrolyte and circular gap diaphragm
- K with insensitive plastics shaft
- N refillable KCl electrode
- E Puncture electrode
- R with PTFE circular diaphragm
- P pressure tight up to 87.0 psi (6 bar)
- D 2 ceramics diaphragms (double junction)
- S swimming pool electrode
- F resistant to hydrofluoric acid
- unspecified: standard gel-filled electrode

Special equipment:

- T temperature up to 212 °F (100 °C), alkali-resistant
- H with built in temperature gauge
- L vertical to horizontal installation

pH measuring range:

- 112 pH measuring range: 1 - 12

Electrical connection to electrode:

- S Plug for coax connector SN6
- V Vario Pin plug

Internal thread:

- E Internal thread PG 13.5 for installation
- L without, laboratory electrode refillable with KCl

Diaphragm:

- 3D 3 ceramics diaphragms

PHE X T 112 S E 3D

ProMinent® Identcodes DULCOTEST® Sensors

pH Sensor with Fixed Cable Identcode Ordering System

Series									
PHE	pH sensor								
	Properties								
	K	with insensitive plastics shaft							
	N	refillable KCl electrode							
	D	with double diaphragm (double injection)							
	Special equipment								
	T	with built in temperature gauge							
	pH measuring range								
	112	pH measurement range: 1...12							
	Electrical connection to electrode								
	F	fixed cable electrode							
	Internal thread								
	E	Internal thread							
	L	without, laboratory electrode refillable							
	Cable diameter								
	3	cable diameter 3 mm							
	5	cable diameter 5 mm							
	Cable length								
	01	cable length in meters							
	Electrical connection at device								
	S	SN6							
	D	DIN							
	B	BNC							
O	without connector								
M	SN6 male								
PHE	K	T	112	F	E	3	1	S	

ORP Sensor with Fixed Cable Identcode Ordering System

Series														
RHE	ORP sensor													
	Properties													
	K	Plastics shaft												
		Electrode material												
		Pt	Platinum											
			Electrical connection to electrode											
			F	Fixed cable electrode										
				Internal thread										
				E	internal thread PG 13.5									
					Cable diameter									
					3	cable diameter 0.12" (3 mm)								
						5	cable diameter 0.20" (5 mm)							
					Cable length									
					01	cable length in meters								
						Electrical connection at device								
						S	SN6							
D					DIN									
B	BNC													
RHE	K	Pt			F	E	3	1	S					

The fixed cable electrodes with threaded male adapter, type ... FE ... are fitted with a rotating threaded sleeve. This facilitates installation in in-line probe fittings because you rotate only the threaded sleeve and not the whole sensor when installing. The RHE types are replaced by higher-value types RHES. RHES sensors are supplied when ordering RHE sensors. The conditions remain unaffected.

ProMinent® Identcodes Sensor Accessories

DGMa Identcode Ordering

DGM	Series Version:							
	A	Series						
		Flow monitor module:						
		0	None					
		1	With l/h scale					
		2	With gph scale					
		3	With flow monitor, l/h scale					
		4	With flow monitor, gph scale					
		Number of PG 13.5 modules:						
		0	None					
		1	One PG 13.5 module					
		2	Two PG 13.5 modules					
		3	Three PG 13.5 modules					
		4	Four PG 13.5 modules					
		Number of 25 mm modules:						
		0	None					
		1	One 25 mm module*					
		2	Two 25 mm modules*					
		Material:						
		T	Transparent PVC					
		Seal material:						
		0	Viton®					
		Connections:						
		0	1/2" x 3/8" tubing adapters					
		1	PVC half-union connections with 1/4" MNPT adapter					
DGM	A	0	0	0	T	0	0	

