

ProMinent® QuickPick

===== *Ideal Solutions with Fast Turnaround & Delivery* =====

How to Use QuickPick?

The QuickPick ordering system enables customers to easily determine which ProMinent Pump or System is best for most fluid handling applications based on three known variables. All systems are **pre-engineered**, **hydro tested** and are **proven** to be the **best solutions** for handling your **chem feed** and **water treatment applications**.

Configure your Systems by Chemical, Capacity and Pressure:

1 Chemical or Application:

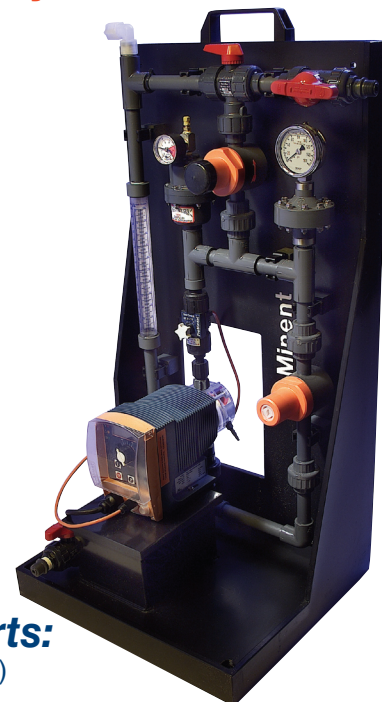
Sodium Hypochlorite, Non Aggressive Media (ie. Phosphates), Caustic/Alkaline Media (ie. Sodium Hydroxide), Acidic Solutions (ie. Sulfuric Acid, Nitric Acid) or 316 SS Applications (ie. Amines, Hydrogen Peroxide, or Ammonia)

2 Capacity Limit:

Maximum Capacities between 0.6 gph (2.1 L/hr) and 8.4 gph (32 L/hr)

3 Pressure Limit:

Maximum Pressures between 58 and 253 psi



ProMinent® Solutions to choose:



Typical D1C Controller Package

Metering Pump Type:

Analog or Pulse Control (page 2)

Control Cable and Spare Parts:

Universal Control Cable, Spare Parts Kit (page 2)

Pre-engineered Packaged Systems:

Basic or Fully Loaded Single or Primary Backup Chem Feed Packages (page 3)

D1C Analyzer/Monitor Packages:

Free or Total Chlorine (page 4)

ProMinent Standard Systems Master Design Specifications

The chemical metering pumps shall be mounted on a black, UV-protected polypropylene or polyethylene support stand. Depending on model selected, the stand will be either a floor mount type or wall mount type. The stand shall include all **accessories***, pre-piped, and constructed of materials compatible with chemical to be used. Components to be mounted on the skid are as indicated on the drawings and include metering pumps, calibration columns, piping, valves, piping accessories (backpressure valves, pressure relief valves, etc. as shown on the drawings) A single chemical metering pump manufacturer shall be responsible for supplying and assembling all components of the skid, in addition to testing the skid-mounted metering system prior to shipment.

Note: Options and accessories are pictured and labelled on pages 2 and 3.

*Pulsation Dampeners are not included, but are incorporated into standard designs as optional (please consult factory).

Pumps • Cables • Spare Parts

Chemical **Capacity** **Pressure**

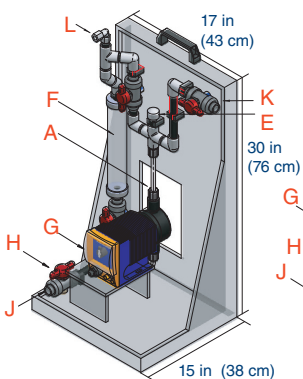
Gamma/L Pump

Cables & Spare Parts

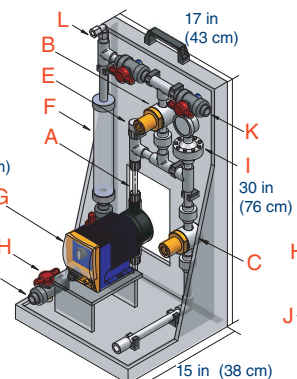
1	2		3	Analog Control (w/ contact/pause & on/off)		OR	Pulse Control (w/ contact/pause & on/off)		Control Cable		Spare Parts Kit	
	Flow Rate to:											
	gph	lph	psi	Part #			Part #		Part #		Part #	
Sodium Hypo Flooded	0.55	2.1	253	gala1602PVT200UD012100			gala1602PVT200UD011100		1001300		1023109	
	1.1	4.4	145	gala1005PVT260UD012100			gala1005PVT260UD011100		1001300		1023110	
	1.9	7.1	101	gala0708PVT260UD012100			gala0708PVT260UD011100		1001300		1023111	
	2.9	11	101	gala0713PVT260UD012100			gala0713PVT260UD011100		1001300		1023112	
Sodium Hypo Suction Lift	0.37	1.4	253	gala1602NPE900UD012100			gala1602NPE900UD011100		1001300		1001661	
	0.95	3.6	145	gala1005NPE960UD012100			gala1005NPE960UD011100		1001300		1001662	
	1.74	6.6	101	gala0708NPE960UD012100			gala0708NPE960UD011100		1001300		1001663	
	2.77	11	101	gala0713NPE960UD012100			gala0713NPE960UD011100		1001300		1001664	
Non-Aggressive ex: Phosphates	0.55	2.1	253	gala1602PVT200UD012100			gala1602PVT200UD011100		1001300		1023109	
	1.1	4.4	145	gala1005PVT260UD012100			gala1005PVT260UD011100		1001300		1023110	
	1.9	7.1	101	gala0708PVT260UD012100			gala0708PVT260UD011100		1001300		1023111	
	4.5	17	58	gala0420PVT260UD012100			gala0420PVT260UD011100		1001300		1023113	
	8.4	32	29	gala0232PVT260UD012100			gala0232PVT260UD011100		1001300		1023124	
Caustic or Alkaline ex: Sodium Hydroxide	0.55	2.1	253	gala1602PVT200UD012100			gala1602PVT200UD011100		1001300		1023109	
	1.1	4.4	145	gala1005PVT260UD012100			gala1005PVT260UD011100		1001300		1023110	
	1.9	7.1	101	gala0708PVT260UD012100			gala0708PVT260UD011100		1001300		1023111	
	4.5	17	58	gala0420PVT260UD012100			gala0420PVT260UD011100		1001300		1023113	
	8.4	32	29	gala0232PVT260UD012100			gala0232PVT260UD011100		1001300		1023114	
Acidic Solutions ex: Sulfuric Acid, Nitric Acid	0.55	2.1	253	gala1602PVT200UD012100			gala1602PVT200UD011100		1001300		1023109	
	1.1	4.4	145	gala1005PVT260UD012100			gala1005PVT260UD011100		1001300		1023110	
	1.9	7.1	101	gala0708PVT260UD012100			gala0708PVT260UD011100		1001300		1023111	
	4.5	17	58	gala0420PVT260UD012100			gala0420PVT260UD011100		1001300		1023113	
	8.4	32	29	gala0232PVT260UD012100			gala0232PVT260UD011100		1001300		1023114	
316 SS ex: Amines, Hydrogen Peroxide, Ammonia	0.55	2.1	253	gala1602SST000UD002100			gala1602SST000UD001100		1001300		1002551	
	1.1	4.4	145	gala1005SST000UD002100			gala1005SST000UD001100		1001300		1002552	
	1.9	7.1	101	gala0708SST060UD002100			gala0708SST060UD001100		1001300		1002553	
	4.5	17	58	gala0420SST060UD002100			gala0420SST060UD001100		1001300		1002555	
	8.4	32	29	gala0232SST060UD002100			gala0232SST060UD001100		1001300		1002556	

Note: Pre-configured systems do not include pulsation dampeners (please consult factory for pricing).

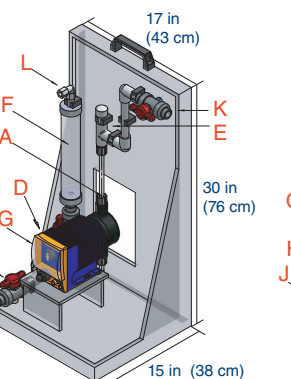
S1 Wall Mount Basic (7745346)
Standard Pump



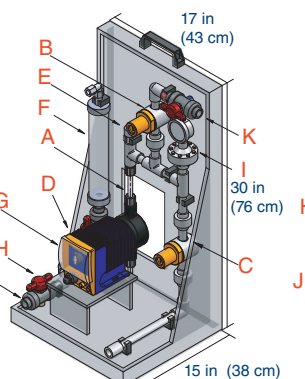
S1 Wall Mount Loaded (7745348)
Standard Pump



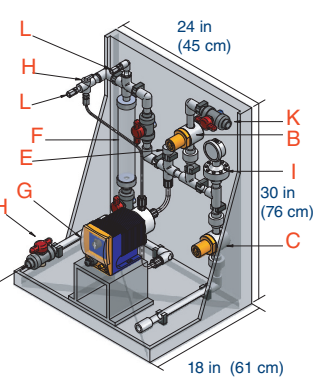
S1 Floor Mount Basic (7745350)
Standard Pump



S1 Floor Mount Loaded (7745352)
Standard Pump



S1 Wall Mount Basic (7745131)
with Auto-Degassing Pump (Suct. Lift)



Basic or Fully Loaded Systems

Basic Single Pumps Skids

Loaded Single Pumps Skids

Basic Dual Pump Skids

Basic S1 (floor mount)

Basic S1 (wall mount)

Loaded S1 (floor mount)

Loaded S1 (wall mount)

Basic S2 (floor mount)

Basic S2 (wall mount)

Part

Part

Part

Part

Part

Part

7745467
7745467
7745467
7745467

7745468
7745468
7745468
7745468

7745469
7745469
7745469
7745469

7745470
7745470
7745470
7745470

7745375
7745375
7745375
7745375

7745471
7745471
7745471
7745471

xx
xx
xx
xx

xx
xx
xx
xx

7745132
7745132
7745132
7745132

7745131
7745131
7745131
7745131

7745359*
7745359*
7745359*
7745359*

7745358
7745358
7745358
7745358

7745350
7745350
7745350
7745350
7745350

7745346
7745346
7745346
7745346
7745346

7745352
7745352
7745352
7745352
7745352

7745348
7745348
7745348
7745348
7745348

7745356
7745356
7745356
7745356
7745356

7745354
7745354
7745354
7745354
7745354

7745351
7745351
7745351
7745351
7745351

7745347
7745347
7745347
7745347
7745347

7745353
7745353
7745353
7745353
7745353

7745349
7745349
7745349
7745349
7745349

7745357
7745357
7745357
7745357
7745357

7745355
7745355
7745355
7745355
7745355

S146500S00000
S146500S00000
S146500S00000
S146600S00000
S146600S00000

S146540000000
S146540000000
S146540000000
S146640000000
S146640000000

S146503S03100
S146503S03100
S146503S03100
S146603S03100
S146603S03100

S16543003100
S16543003100
S16543003100
S146643003100
S146643003100

S226500S0SS00
S226500S0SS00
S226500S0SS00
S226600S0SS00
S226600S0SS00

S2S654000SS00
S2S654000SS00
S2S654000SS00
S2S664000SS00
S2S664000SS00

S145700200000
S145700200000
S145700200000
S145800200000
S145800200000

S145730000000
S145730000000
S145730000000
S145830000000
S145830000000

S145702202100
S145702202100
S145702202100
S145802202300
S145802202300

S145732002100
S145732002100
S145732002100
S145832002300
S145832002300

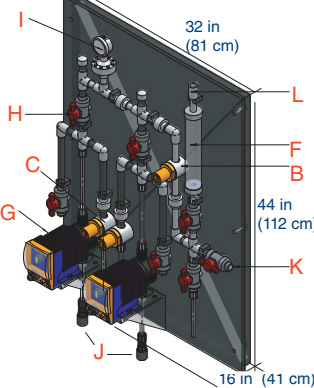
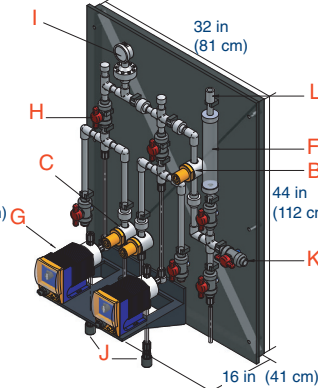
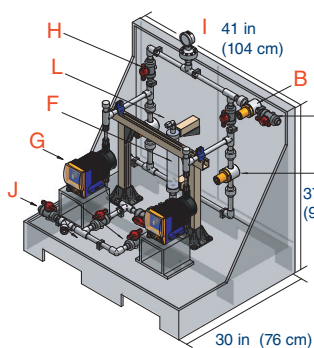
S225700S0SS00
S225700S0SS00
S225700S0SS00
S225800S0SS00
S225800S0SS00

S2S573000SS00
S2S573000SS00
S2S573000SS00
S2S583000SS00
S2S583000SS00

S2 Floor Mount Basic (7745356)
Standard Degassing Pump

S2 Wall Mount Basic (7745358)
with Auto-Degassing Pump (Suct. Lift)

S2 Wall Mount Basic (7745354)
Standard Degassing Pump



Optional Accessories & Built-in Components

All Systems include one or more of the following:

- A: 1/2" O.D. x 1/4" I.D. reinforced PVC tubing
- B: Diaphragm type backpressure/anti-siphon valve
- C: Diaphragm type in-line pressure relief valve
- D: Location of "Y" strainer (hidden from view)
- E: Provision for Pulsation Dampener (Call Factory)
- F: Calibration Column
- G: Gamma/L Metering Pump
- H: Ball Valve
- I: Pressure Gauge
- J: Product Inlet
- K: Product Outlet
- L: Vent to Tank

Analyzer/Monitor Packages

QuickPick: Controllers/Sensors

Measured Variable

Part # (D1C Packaged system)

Total Chlorine Controller

7745160

10 PPM Total Chlorine Sensor (740684)
5 PPM Total Chlorine Sensor (1003203)
2 PPM Total Chlorine Sensor (740685)

OR

Total Chlorine Monitor

7745161

10 PPM Total Chlorine Sensor (740684)
5 PPM Total Chlorine Sensor (1003203)
2 PPM Total Chlorine Sensor (740685)

OR

Free Chlorine Controller

7745162

50 PPM Free Chlorine Sensor (1020531)
20 PPM Free Chlorine Sensor (1002964)
10 PPM Free Chlorine Sensor (792919)

OR

Free Chlorine Monitor

7745163

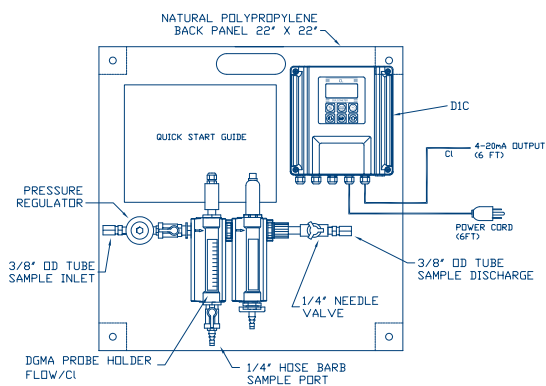
50 PPM Free Chlorine Sensor (1020531)
20 PPM Free Chlorine Sensor (1002964)
10 PPM Free Chlorine Sensor (792919)

Note: Please indicate sensor needed at time of order.

Design Specifications/Drawings

Total Chlorine

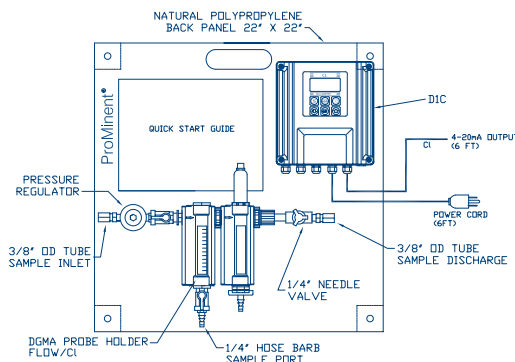
D1C Controller Package (# 7745160):
D1C part # (D1CAW1C10114G220E)



This package includes a D1C controller for total chlorine mounted on a back plate for easy installation. The package is prewired and plumbed with 3/8" tubing connectors for sample inlet and outlet connections. The sensor holder has an integral sampling port. Two mA outputs are available for controlling mA devices or for recording data. The D1C has the pump pacing option to control a chlorination or dechlorination pump with a pulse signal and a relay can be set to alarm at upper and/or lower limits as well as for faults. The D1C accepts a mA or pulse contact signal from a water meter and has a flow sensor to stop control when the flow to the sensor stops. The D1C is normally calibrated to DPD test values. An access code can be programmed to restrict access to the calibration and setting menus.

Total Chlorine

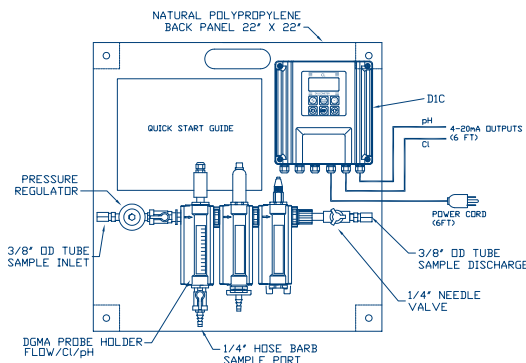
D1C Monitor Package # (7745161): D1C # (D1CAW1C10001G000E)



This package includes a D1C controller for total chlorine mounted on a back plate for easy installation. The package is prewired and plumbed with 3/8" tubing connectors for sample inlet and outlet line connections. The sensor holder has an integral sampling port. A 4-20 mA output is available to record the chlorine value, and a relay can be set for an upper and/or lower alarm. The D1C is normally calibrated to DPD test values. An access code can be programmed to restrict access to the calibration and setting menus.

Free Chlorine

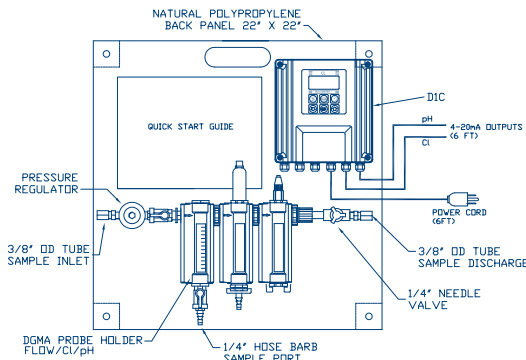
D1C Controller Package # (7745162): D1C part # (D1CAW1C11214G220E)



This package includes a D1C controller for free chlorine with pH compensation mounted on a back plate for easy installation. The package is prewired and plumbed with 3/8" tubing connectors for sample inlet and outlet line connections. The sensor holder has an integral sampling port. Two mA outputs are available for controlling mA devices or for recording data. The D1C has the pump pacing option to control a chlorination or dechlorination pump with a pulse signal, and a relay can be set to alarm at upper and/or lower limits as well as for faults. The D1C accepts a CONTACT signal from a water meter and has a flow sensor to stop control when the flow to the sensor stops. The D1C is normally calibrated to DPD test values. An access code can be programmed to restrict access to the calibration and setting menus.

Free Chlorine

D1C Monitor Package (# 7745163): D1C part number (D1CAW1C11004G000E)



This package includes a D1C controller for free chlorine mounted on a back plate for easy installation. The package is prewired and plumbed with 3/8" tubing connectors for sample inlet and outlet line connections. The sensor holder has an integral sampling port. Two 4-20 mA outputs are available to record the chlorine or pH value, and a relay can be set for an upper and/or lower alarm. The D1C is normally calibrated to DPD test values. An access code can be programmed to restrict access to the calibration and setting menus.

ProMinent Fluid Controls, Inc. (USA)
136 Industry Drive
Pittsburgh, PA 15275
Tel: (412) 787-2484
Fax: (412) 787-0704

Please visit us on the web
www.prominent.us
(Canada) www.prominent.ca
pn: 7750230
QPa - Rev1 NA 6/01/05

ProMinent®