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:

**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).
### Basic or Fully Loaded Systems

**Basic Single Pumps Skids**

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**Loaded Single Pumps Skids**

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**Basic Dual Pump Skids**

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**Standard Degassing Pump**

- **S1 Wall Mount Basic (7745131)**
- **S2 Floor Mount Basic (7745354)**
- **S2 Wall Mount Basic (7745354)**

**Optional Accessories & Built-in Components**

- **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

**All Systems include one or more of the following:**

- Basic or Fully Loaded Systems
- S2 Floor Mount Basic (7745356) with Auto-Degassing Pump (Suct. Lift)
- S2 Wall Mount Basic (7745354) Standard Degassing Pump
- Standard Degassing Pump (Suct. Lift)
**Total Chlorine**

**D1C Monitor Package # (7745161): D1C # (D1CAW1C1001G000E)**

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 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 Monitor Package # (7745163): D1C part number (D1CAW1C1004G000E)**

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.