

ProSIP-M

Chemical Pump Installation...safe and easy!



ProSIP-M2
dual motor-driven pumps

- ▶ Functional.
- ▶ Efficient.
- ▶ Affordable.



ProSIP-M1
single motor-driven pump

Safety

- **Preassembled and Tested** – Leak Free Guarantee
- **Correctly Sourced System Components** – best in class components for one source supply
- **Chemically Resistant Seals** – eliminate leaks
- **Anti-siphon Protection** – back pressure valve provides protection of uncontrolled dosing of chemical
- **Over Pressure Protection** – safety relief valve protects pumps and piping from overpressure
- **Local Pressure Indication** – provided operator safety and local indication of pump operation
- **Discharge Pulsation Dampener** – Reduces risk of leaking fittings, lowers pulsation means lower stress on piping. Also smooths discharge flow variation improving the process.

Ease

- **No Requirement for Site Fabrication** – complete turnkey package provided with single source supply and single responsibility.
- **Easy Calibration** – realize true flow rate of the system
- **Easy Installation to any Piping System** – all adapters included to go to any discharge
- **Easy Pump Priming**
- **Easy implication of Future Backup Pump Installation**

Cost

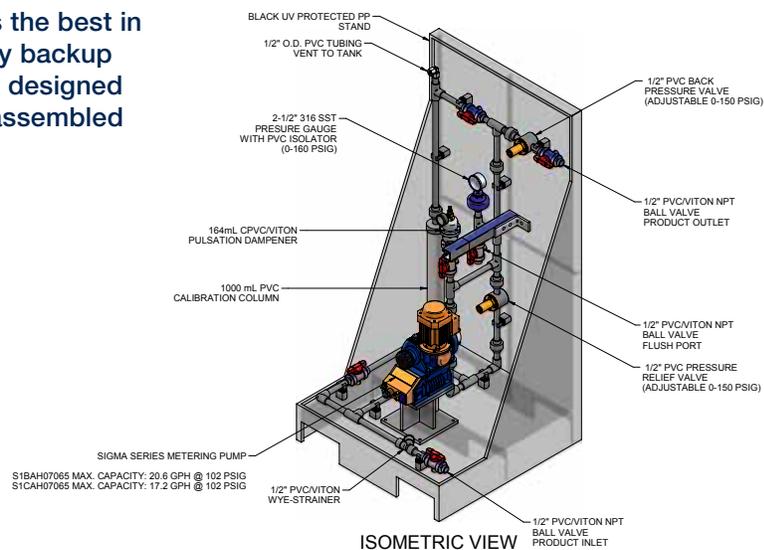
- **Pre-Engineered and Stock Delivery for a Cost Effective Solution**
- **Cost Effective Aftermarket Support**

ProMinent® Standard Injection Packages

General Description of System ProSIP-M

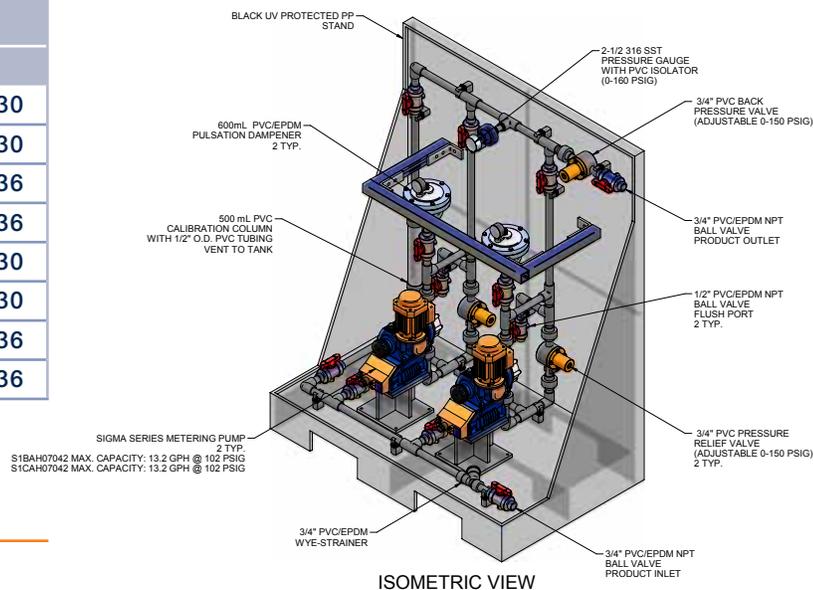
The ProMinent Standard Injection Package provides the best in practice safe chemical feed design for a duty or duty backup application. The preconfigured and tested system is designed to include the following components arranged and assembled on a chemically resistant backboard:

- Gravity Fill column sized to suit 30 second design flow
- Chemically resistant 15-150 PSIG adjustable back pressure valve (True Union Connection)
- Chemically resistant 15-150 PSIG adjustable pressure relief valve (True Union Connection)
- Pressure Indicator with diaphragm isolation
- True Union 3-piece ball valves
- Discharge connection with adapter to site piping / tubing



Standard Package Dimensions

ProSIP Model	Dimensions (WxHxD)	
	Millimeters	Inches
M1A	760 x 1520 x 760	30 x 60 x 30
M1B	760 x 1520 x 760	30 x 60 x 30
M1C	1070 x 1830 x 910	42 x 72 x 36
M1D	1070 x 1830 x 910	42 x 72 x 36
M2A	1220 x 1520 x 760	48 x 60 x 30
M2B	1220 x 1520 x 760	48 x 60 x 30
M2C	1680 x 1830 x 910	66 x 72 x 36
M2D	1680 x 1830 x 910	66 x 72 x 36



Typical Applications:

- Sodium Hypochlorite
- Sodium Hydroxide
- Hydrochloric Acid
- Citric Acid
- Alum
- Specialty Chemicals (Check Compatibility)
- CIP and Cleaning Chemicals (Foamers, Sanitizers, Enzymes)

► **ProSIP-M Dual Pump**
Built-in redundancy
with Auto-Switch-Over

ProMinent® Standard Injection Packages

System Selection Worksheet

Pump Identcode: _____ Qty.: 1 or 2

Wetted Parts	Pump Application
EPDM	Best Suited for: Sodium Hydroxide, Soda Ash, Sodium Hypochlorite
Viton*	Best Suited for: Sodium Hypochlorite, Hydrochloric Acid, Phosphoric Acid, Citric Acid, Alum, Sodium Bromide

* Viton is a registered trademark of Dupont

ProSIP M-series Part Numbers

Single Pump Product / Pipe Size	# of Pumps	Sigma Pump Configuration	System Part # EPDM	System Part # Viton	Spare Parts # EPDM	Spare Parts # Viton
ProSIP-M1A 1/2"	1	10022, 10044, 10050, 12017, 12030, 07065	7904382	7904396	7904388	7904552
		12050	7904639	7904645	7904388	7904552
ProSIP-M1B 3/4"	1	07042, 04084, 04120, 12090, 12130	7904383	7904397	7904389	7904553
		07120, 07220	7904641	7904647	7904389	7904553
ProSIP-M1C 1"	1	04350, 120270, 120145,120190	7904384	7904398	7904390	7904554
ProSIP-M1D 1 1/2"	1	070580, 070410, 040830	7904643	7904649	7904651	7904653
Double Pump Product / Pipe Size	# of Pumps	Sigma Pump Configuration	System Part # EPDM	System Part # Viton	Spare Parts # EPDM	Spare Parts # Viton
ProSIP-M2A 1/2"	2	10022, 10044, 10050, 12017, 12030, 07065	7904385	7904399	7904391	7904556
		12050	7904640	7904646	7904391	7904556
ProSIP-M2B 3/4"	2	07042, 04084, 04120, 12090, 12130	7904386	7904400	7904392	7904555
		07120, 07220	7904642	7904648	7904392	7904555
ProSIP-M2C 1"	2	04350, 120270, 120145,120190	7904387	7904551	7904393	7904557
ProSIP-M2D 1 1/2"	2	070580, 070410, 040830	7904644	7904650	7904652	7904654

Junction Box Option

For safe and effective hook up of electrical and control signals ProMinent offers an optional junction box that provides hard wired power and pump signal local to the skid. The box is a CSA NEMA 4X FRP enclosure with labelled power and control terminal strip making electrical installation quick and simple.

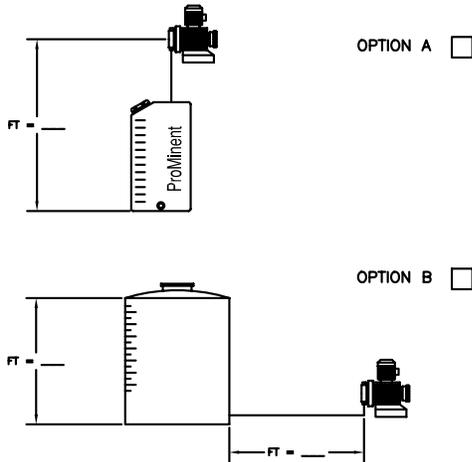
Pump Type	Pump Application	Part Number
Single Pump	Hinged 152.4 x 152.4 x 101.6 mm (6 x 6 x 4 inch) NEMA4X, CSA FRP Enclosure	7901636
Dual Pump	Hinged 254 x 203.2 x 152.4 mm (10 x 8 x 6 inch) NEMA4X, CSA FRP Enclosure	7901649

ProMinent® Standard Injection Packages

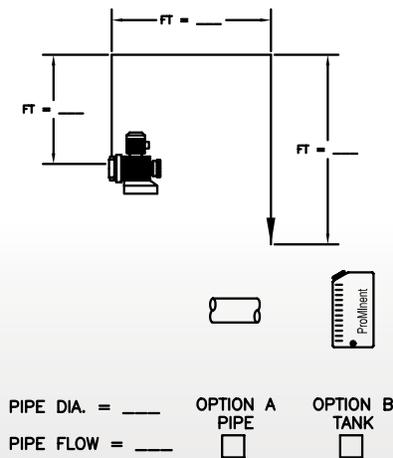
Application Details

ProSIP-M

Select and Specify Suction Conditions



Select and Specify Discharge Conditions



General Information - Chemical

Chemical Name	
Operating Temperature	
Required Feed Rate	
Injection Pressure	
* Specific Gravity	
* Viscosity	
* Compatible Materials	
* Boil Point	
* Freeze Point	
* Vapour Pressure	

* Required for specialty chemicals

Site and Utility Data

Located Indoor / Outdoor	
Min. / Max. Temperature	
Elevation	
Electric Power	
Area Classification	

Metering Pump Data

Model	
Max. Capacity	
Max. Pressure	



Complete and submit the above systems information to sales@prominent.ca for product registration and to activate the 3-Year Leak-Free Warranty.

(Valid from date of PO with the submission of required information.)