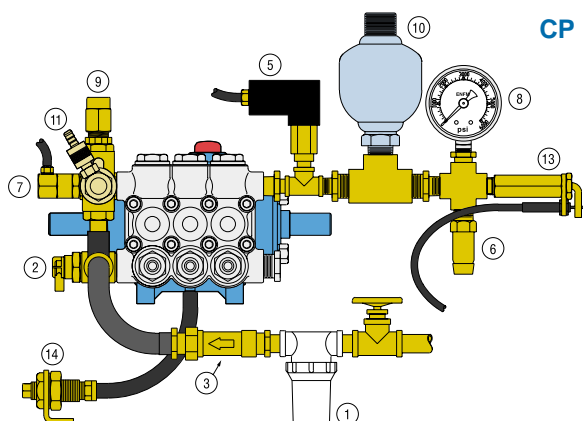


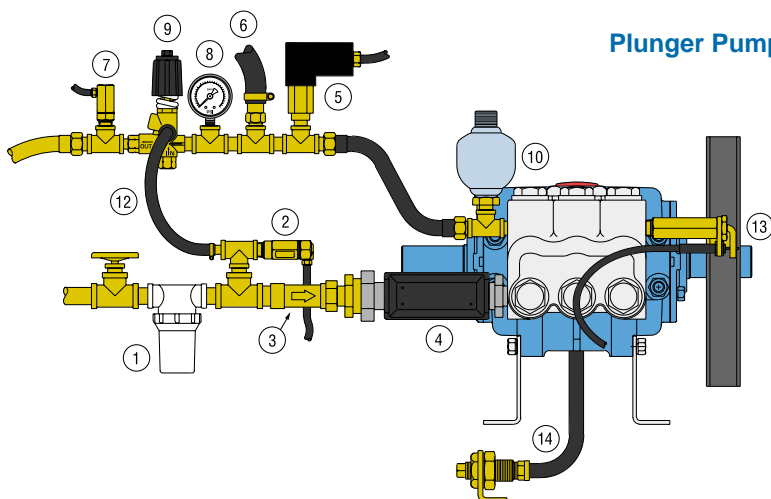
TYPICAL INSTALLATION

CP Plunger Pump



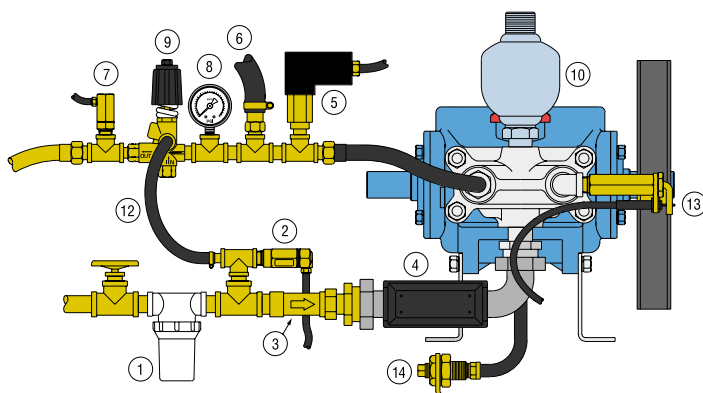
- 1 Inlet Filter
- 2 Thermo Valve
- 3 Inlet Pressure Regulator
- 4 C.A.T. Tube (Captive Acceleration Tube)
- 5 Pressure Switch
- 6 Pop-Off Valve
- 7 Quick Start Valve
- 8 Pressure Gauge
- 9 Pressure Regulator/Unloader
- 10 Pulsation Dampener ★
- 11 Chemical Injector
- 12 By-Pass Hose
- 13 Throttle Controller
- 14 Oil Drain Kit

Plunger Pump



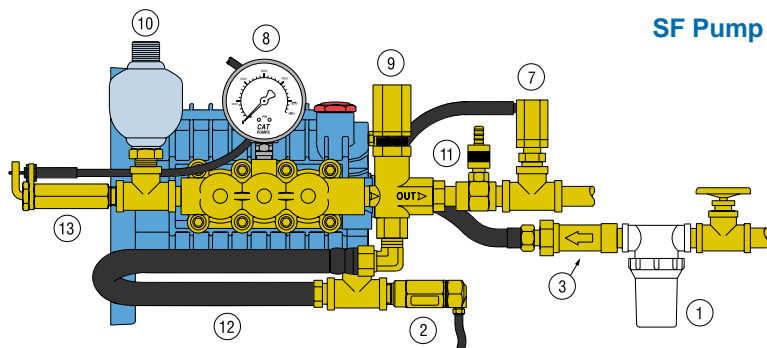
These illustrations show the basic elements for a typical installation of a high pressure piston or plunger pump. **Not all components shown are required for all applications or systems.** Each component presents potential problems that too often are ascribed to a perfectly functioning pump, such as: a clogged strainer, a partially closed shut-off valve, a faulty gauge, or a malfunctioning regulator/unloader.

Piston Pump



Proper system installation, routine lubrication and monitoring of components are your basic guarantees of optimum pump performance. CAT PUMPS does not assume any liability or responsibility for the design or operation of a customer's high pressure system.

SF Pump



★ Preferred mounting of Pulsation Dampener [Prrrrr-O-Lator] is directly on the discharge manifold of the pump. The preferred mounting of the by-pass hose [when returning to the inlet] is before the Pressure Reducing Valve. If this is not possible, then mount the Prrrrr-O-Lator after the Pressure Unloading Valve to prevent pressure spikes to the pump inlet.