



- Box made of durable HDPE resistant to impact, UV, corrosion and chemical products;
- Protects workers and environment;
- 2 locking systems per door;
- PPE box (personal protection equipment); (PPE included: anti-acid coverall, gloves and face guard)
- Security recommendations molded on door;
- Product clearly identified by its name, UN code and hazard pictogram related;
- Integrated retention for dripping (25 to 65 L) and valve for drainage;
- Installation on tank, wall or support;
- Easily adaptable to your process;
- Door colors choice in accordance to chemical to inject.

Available dimensions :

- 1 door 37" x 24" x 53"H
- 2 doors 59" x 24" x 53"H
- 3 doors 87" x 24" x 53"H

	Acids
	Bases
	Sulfuric acid
	Sodium hypochlorite

Safety plus option:
Optical leak detection system with visual and audible alarm.

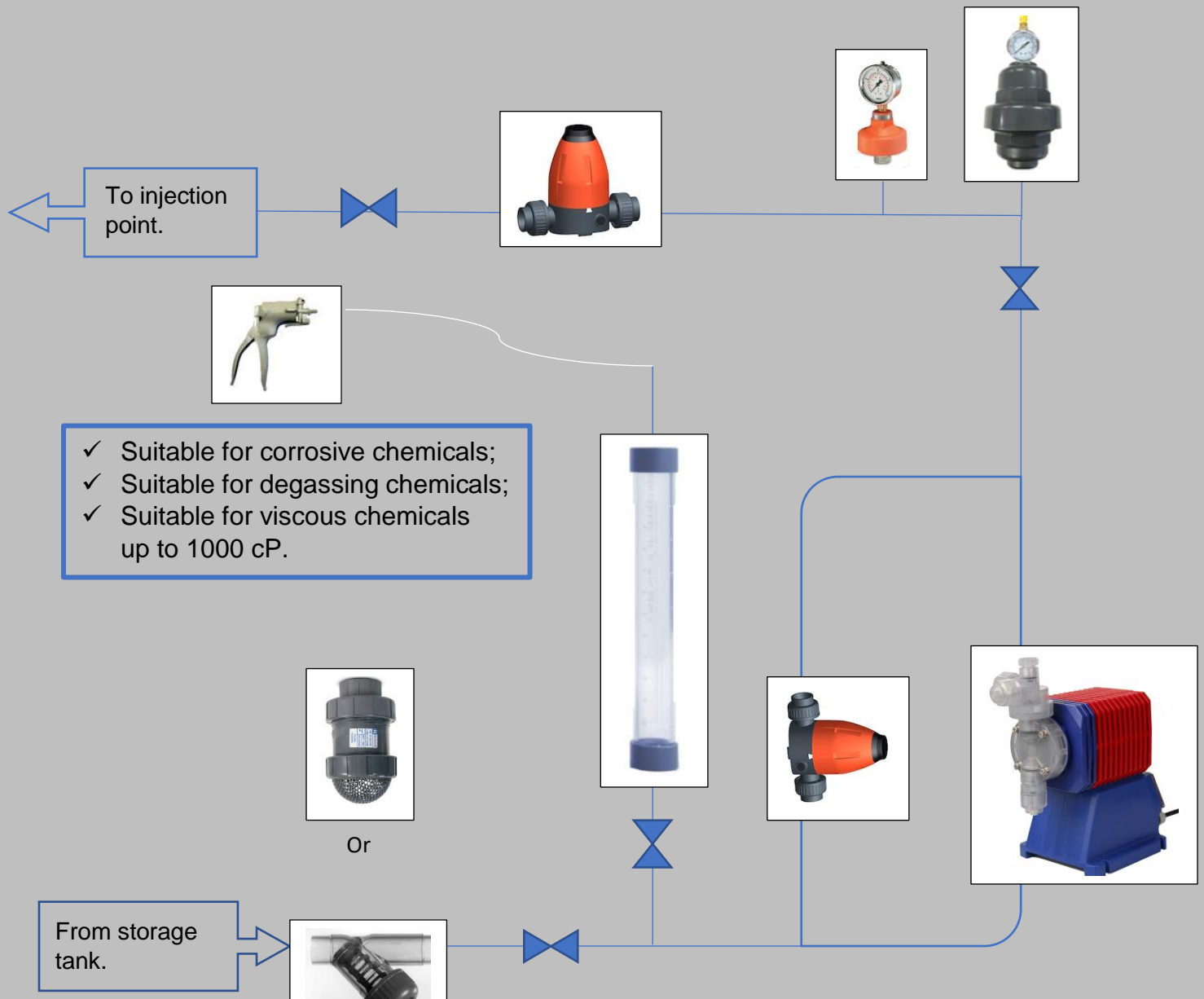


Your injection system is entirely calibrated and tested before delivery:

- Hydrostatic pressure test 120 min;
- Pressure relief valve adjusted and tested;
- Back pressure valve adjusted and tested;
- Pressure dampener charged with compressed air and tested;
- Completed pre-shipment check list, dated and signed.

If your system is out standard, we can easily conceive and fabricate in accordance to your specification.

Your injection system is specially adapted to your process, allowing you to reduce the operator intervention, increase safety and optimise chemical consumption.



Controler Walchem W600

- Touch screen;
- Graph display;
- Datalogging;
- English/French;
- Nema 4X (IP 65), CE, UL, CSA;
- Option Ethernet, Modbus, TCP/IP;
- Wall mount or panel mount.



Iwaki diaphragm dosing pumps

The main element of your injection system is the pump.
It is carefully selected by our conception team based upon the fluid,
required flow and pressure.

We propose a selection of pumps that can inject up to 114 GPH (360 LPH)
with discharge pressure up to 250 psi.



Control types :

- ✓ On/Off
- ✓ Batch or timer
- ✓ Pulse
- ✓ 4-20mA



Valves and piping

Standard systems are assembled with **rigid piping**.
All the system components are selected based on the pump and the fluid to inject.



Manual ball valve

True union, with inserts for
anchoring, available with vented ball
and/or lockable handle.

Materials: PVC, CPVC or PVDF
Gaskets: EPDM, Viton or Teflon

Pressure relief valve

For your safety and the longevity of your equipment's, this valve diverts
the fluid (back to the stockage tank or into pump inlet) in the eventuality
where there is an excess pressure build up at pump discharge.
Spring pressure 5-50 psi or 5-150 psi.



Calibration cylinder

To adjust and confirm the flow, the calibration cylinder is very simple to use
paired with a chronometer (not included). We select the one that is suitable for
your application.

Valves and piping (continued)



Dampener

Standard equipment required on a diaphragm pump discharge.
Benefits: stable flow and pressure on discharge, steady fluid flow, reduces piping vibration and prevents hydraulic shock.

Back pressure valve

Apply a constant pressure on pump discharge. Assure a constant injection pressure and prevents syphoning.
Spring pressure: 5-50 psi or 5-150 psi.



Injection quill. (Optional)

The injection quill assures an optimal mixing by delivering the chemical in the middle of the main pipe. An integrated check valve prevents backflow.

Gauge with guard

For your safety and the longevity of your equipment.

The gauge with guard enables you to adjust the back pressure and pressure relief valve. Also validates the discharge pressure and the injection pressure.



Y-Strainer

Flooded suction installation, the y-strainer should be installed before the pump. This component captures undesirable particles in the strainer protecting your pump and every component on the circuit.

Foot valve

Suction lift installation, we install the foot valve before the pump. This component prevents you from suctioning undesirable particles and especially keeps the suction line primed when pump is turned off.



Valves and piping (continued)

Manual priming pump (Optional)

Suction lift installation, this small manual pump equipped with a flexible tube, allows you to manually pump the liquid from the tank to the box. This avoids pumping an excessive quantity of air into the pumping circuit and facilitates pump priming.



Solution through innovation!

Customized to your need, we have many options to propose to optimise your injection system. Whether is it a simple internal lighting, an ultrasonic flowmeter, an automatic degassing valve or a custom-made support, we have what's required to meet your demand.

Cy-Bo Plastics proposes a wide array of products and systems for your installations:

- ✓ Tanks;
- ✓ Plumbing;
- ✓ Pumps;
- ✓ Instrumentation and control;
- ✓ Ventilation and air treatment;
- ✓ Filtration systems;
- ✓ Transloading box.

In addition to offering very practical services:

- ✓ Help in specification redaction;
- ✓ Training and lunch and learn;
- ✓ Reparations and modifications;
- ✓ Delivery, installation and start-up;
- ✓ On site construction.

