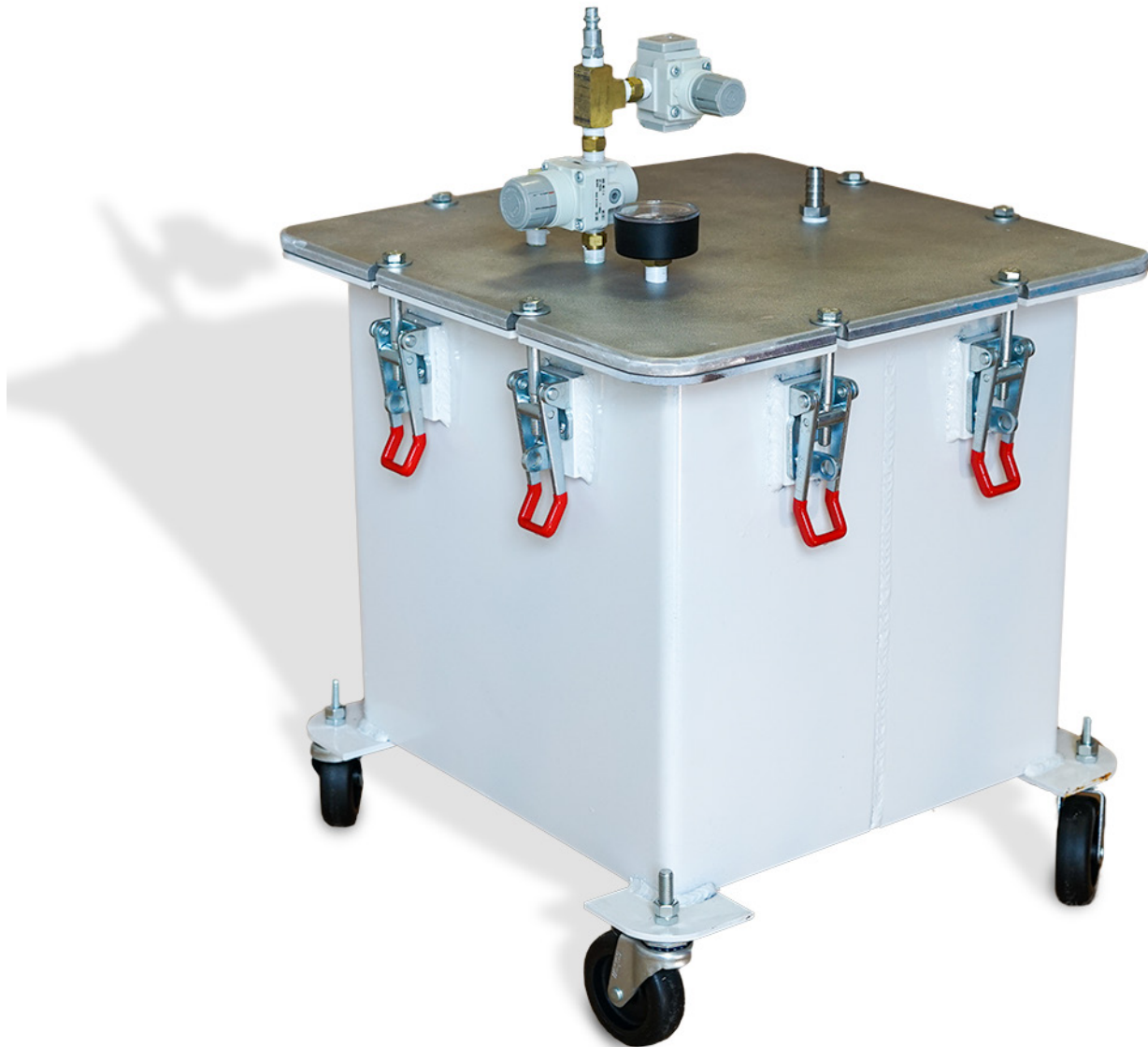


{ PRESSURE CUBE }

Manual



{ PRESSURE CUBE }

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{ PRESSURE CUBE }

Description

Description

The Pressure Cube is intended for use as a pressure container to supply KulKote Temperature Regulating Technology coatings at a constant preset pressure. The pressure cube is extremely unique as compared to traditional pressure tanks as it's simple to use, easy to maintain, and is designed to work directly with our custom packaging to create the ideal cartridge system.

KulKote Container Size

KulKote 20kg (44lb) box.

Learn more by visiting: <https://kulkote-inside.com/technical/container-sizes>

Weight + Dimensions

Weight: 36kg (76lb)

Height w/components installed: 57cm (22.5in)

Width: 43cm (17.25in)

Depth: 43cm (17.25in)

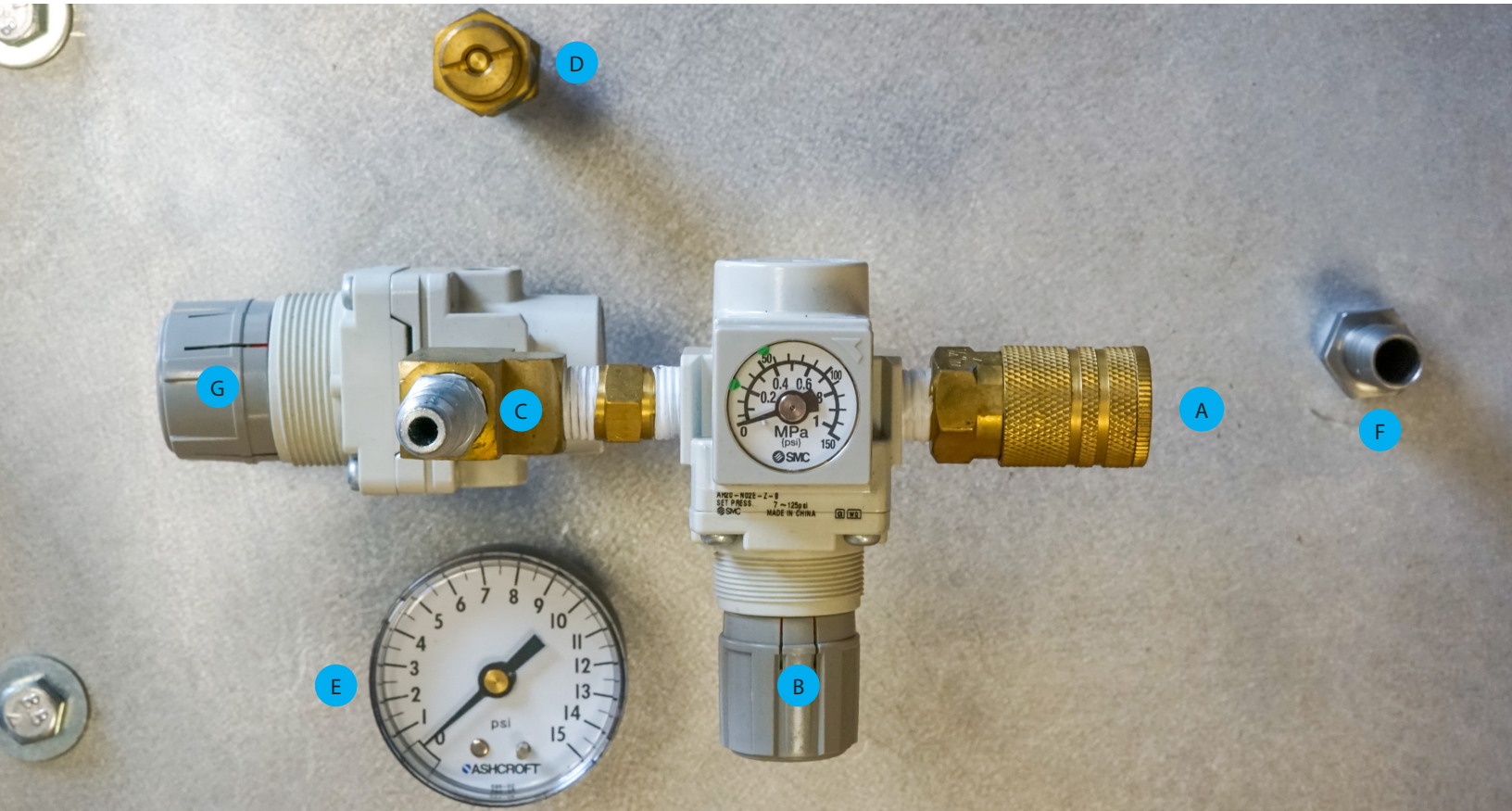
Pricing Options

See price sheet



{ PRESSURE CUBE }

Component Description



- A** Atomization Air (Spray Gun)
- B** Atomization Air Pressure Regulator
- C** Compressed Air Inlet
- D** Fluid / Air Pressure Release Valve
- E** Fluid Pressure Gauge
- F** Fluid Line (Spray Gun)
- G** Fluid Pressure Regulator

{ PRESSURE CUBE }

Assembly Instructions

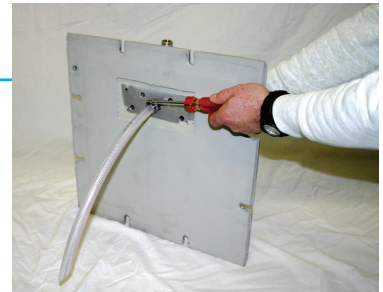
1

Attach wheels.



2

Connect the internal Fluid Hose to the cube lid. (Length=45.72cm (18in); 1/2" ID PVC)



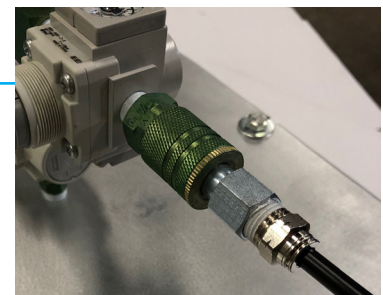
3

Connect external Fluid Hose from the cube to the spray gun.



4

Connect the Atomization Air Line from the cube to the Spray gun.



5

Fasten the Atomization Air Line to Fluid hose that's connected to the spray gun. Use wire ties.

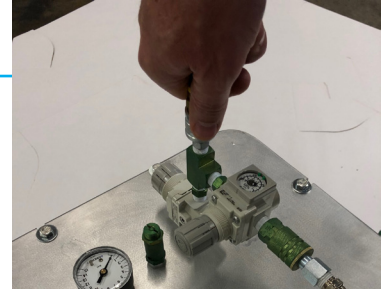


{ PRESSURE CUBE }

Setup + Proper Use

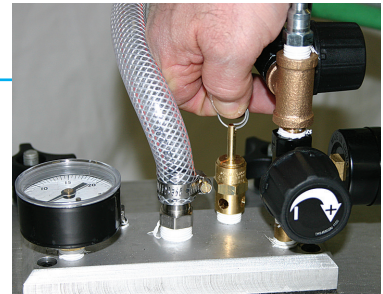
1

Remove Air hose from "Compressed Air Inlet".



2

Release air pressure from cube using the "Fluid / Air Pressure Release Valve".



3

Unscrew the "Lid Pressure Clamps", remove the lid and the empty 20kg container from cube.



4

Place 20kg container in cube and remove cap.



5

Place lid on cube with Internal fluid hose being inserted into container. Make sure hose and lid are aligned properly.



{ PRESSURE CUBE }

Setup + Proper Use

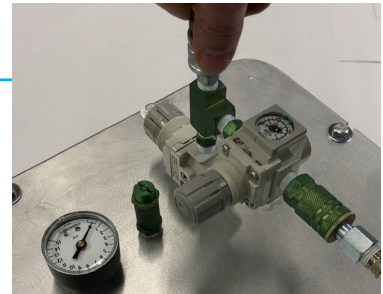
6

Securely fasten cube lid by tightening "Lid Pressure Clamps".



7

Attach plant air to "Compressed Air Inlet".



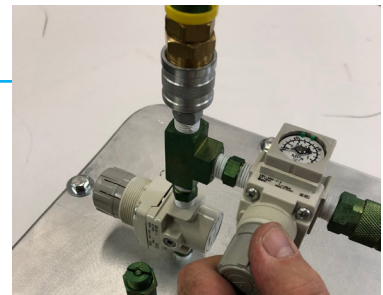
8

Adjust cube pressure using the "Fluid Pressure Regulator". The inside pressure is displayed on the "Fluid Pressure Gauge". Fluid volume required and hose length will determine gauge reading.



9

Adjust atomization air pressure using the "Atomization Air Pressure Regulator". It is recommended that 25-50psi is used. However this is directly related to the fluid volume and spray gun setup.



{ PRESSURE CUBE }

Starting Settings

The starting settings below are the perfect place to begin using the Pressure Cube. Please contact us for additional assistance in establishing custom settings so that there's consistency in your process.

Spray Gun	330g/M2 (30g/SF)	440g/M2 (40g/SF)	550g/M2 (50g/SF)
Spray gun name + type	G11 HVLP	G11 HVLP	G11 HVLP
Spray gun nozzle size	2.0mm	2.0mm	2.0mm
Pattern Width Knob	0.5 turns out	0.5 turns out	0.5 turns out
Fluid Knob	6 turns out	7 turns out	7 turns out
Atomization Knob (pressure set at the tank)	100% Open	100% Open	100% Open

Pressure Cube	330g/M2 (30g/SF)	440g/M2 (40g/SF)	550g/M2 (50g/SF)
Fluid hose length	4.5m / 15ft	4.5m / 15ft	4.5m / 15ft
Atomization Air Pressure	2.75bar / 40psi	2.75bar / 40psi	2.75bar / 40psi
Fluid Pressure	1.1bar / 15psi	1.1bar / 15psi	1.2bar / 17psi

Process	330g/M2 (30g/SF)	440g/M2 (40g/SF)	550g/M2 (50g/SF)
Spray gun distance from substrate when spraying	6in	6in	6in
Arm speed (distance traveled per 1 second)	30.5cm / 12in	30.5cm / 12in	30.5cm / 12in

{ PRESSURE CUBE }

Safety Precautions + Warnings

- This Pressure Cube should only be used with KulKote Temperature Regulating Technology coatings and Simalfa water based adhesives.
- Air pressure loads that are higher than design loads, or changes to the Pressure Cube, can cause the cube to rupture or explode.
- A safety valve (Fluid / Air Pressure Release Valve) protects the cube from over pressurization. During each use, pull ring on the valve to make sure it operates freely and relieves air pressure. If it needs replacement, it must be replaced with a safety valve having the same rating of 25psi. Do not eliminate, make adjustments to, or substitute this valve.
- Changes to the Pressure Cube will weaken it. Never drill into, weld or change the cube in any way.
- DO NOT exceed maximum cube pressure of 20psi.
- DO NOT allow the tank to leak air. This will cause water to evaporate in the material resulting in a increased level of service. Identify the leak and repair. Look at loose fittings or damaged lid seal.
- DO NOT continue to use if empty. Air will be pushed through the fluid lines and cure the material resulting in a increased level of service. If material pulses, stop and replace container as it is likely empty.
- Operators should be given adequate training in the safe use and maintenance of the equipment. Users must comply with all local and national codes of practice and insurance company requirements governing ventilation, operation, maintenance, and housekeeping. (in the US these are OSHA Sections 1910.94 and 1910.107, and NFPA-33).