CORE2CLEAN® Plus

Spray   **Mop**   **Fog**

The Core2Clean® Plus systems were created by Veltek Associates, Inc., to provide specialized cleaning equipment for use in controlled environments. They are specifically designed to:

Be repeatedly and consistently sterilized
Use one system to spray, mop, or fog
Allow operators to maximize disinfectant effectiveness

All the components of the Core2Clean Plus can be autoclaved or connected to a steam source for sterilization. The ability to sterilize the C2C by steam helps to prevent the introduction of viable contamination into the controlled environment.

Core2Clean Plus systems can be configured to operate as three different systems: a sprayer, a wet mop, or a fogger. When configured as a spray or mop system, the operator dispenses disinfectant through a trigger-controlled wand, providing a continuous flow of clean solution through the device and on to the surface. Giving this real-time control to the operator can increase the dwell time and thus, the performance of the disinfectant. When configured as a fogging system, the disinfectant is dispensed through a stainless steel fogger that is directly controlled by the Core2Clean Plus unit.

The design of the Core2Clean Plus system allows for repeatability between operators and areas, making it easier for companies to write SOP's for different class areas. To aid in operator instruction, Veltek provides an Operator's Manual with instructions for all three system uses, and videos of select processes. The manual is available in hard copy and electronic formats.

Features and Benefits

- Easily connected to a trigger activated dispensing mop, trigger activated spray nozzle, or fogger
- Constructed of 316 stainless steel
- Can be completely sterilized using an autoclave or steam
- Operate using compressed air, simply charge and go
- Reduce cleaning time and user effort
- Simplify cleaning and disinfecting procedures
- Two and five gallon tank sizes
- Easy to remove tank
- Stainless steel ergonomic cart with accessory trays and equipment holder
- Four swivel casters provide easy movement throughout the facility
- Allows the operator to control the amount of time the disinfectant spends on the surface which increases the effectiveness of the disinfectant

Spray, Mop, and Fog
Innovative Cleanroom Solutions

5 Gallon System
Part Number: C2C-105-P

2 Gallon System
Part Number: C2C-102-P

Spray gun

Output hose liquid

Handle

Input hose air

5 Gallon tank

Cart
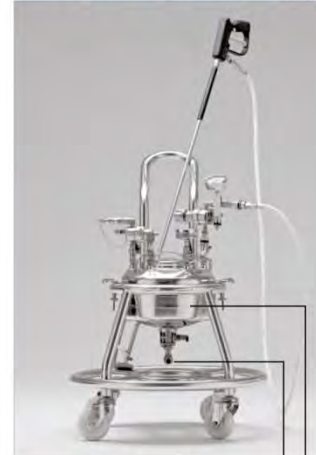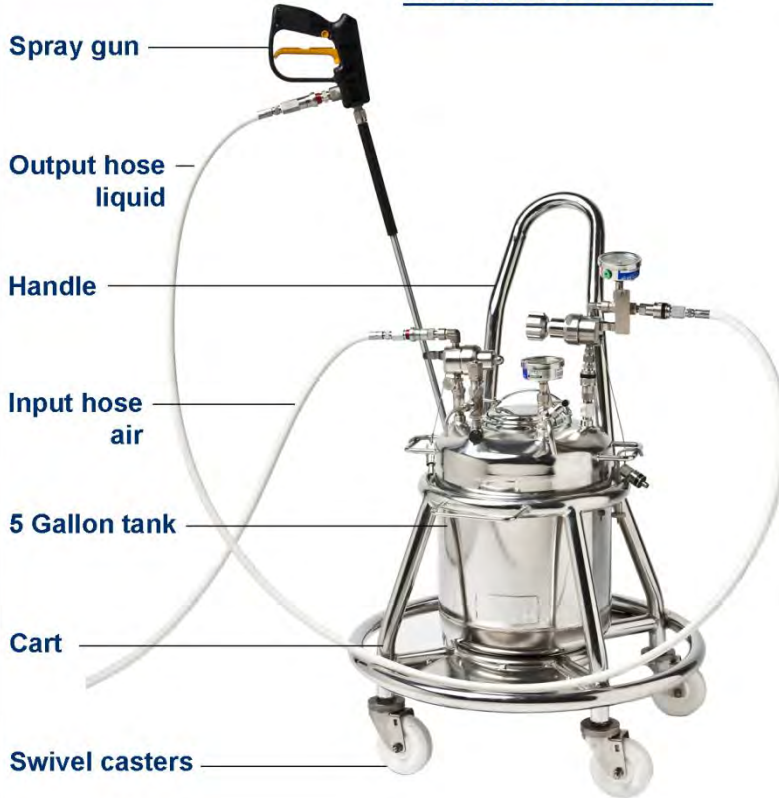
Swivel casters

Drain valve

2 Gallon tank

Standard Features

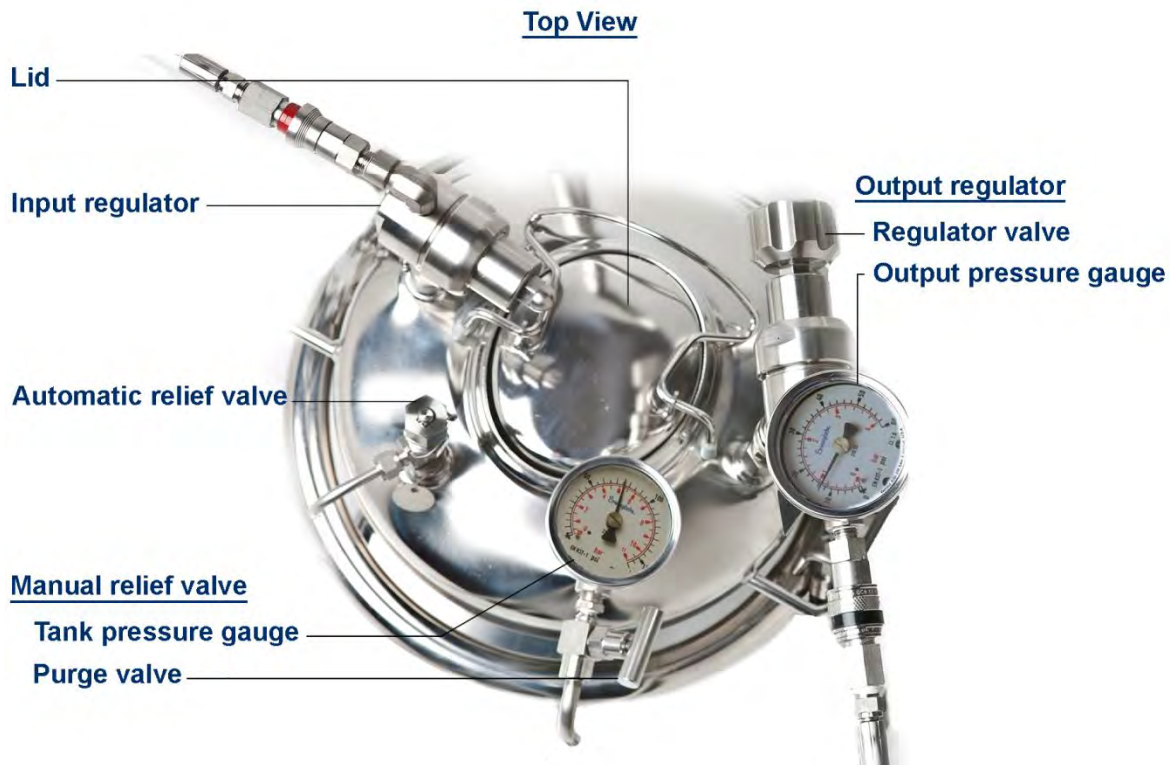|	
• Spray gun or spray wand	• Swivel casters
• 8 ft output hose	• Output regulator
• 8 ft input hose	• Input regulator
• Five or two gallon tank	• Manual relief valve
• Drain valve	• Automatic relief valve
• Stainless steel cart	• Constructed of 316 stainless steel

Optional Features

- Mop frame – standard 7 or 12 inch, special order 16 inch
- Extension wands – 18, 36, or 120 inches
- Fogger

Extension Wand

Core2Clean Plus Systems C2C-102-P and C2C-105-P

ASME rated to	100 psi (6.9 bar)	
Maximum working pressure	90 psi (6.2 bar)	
Relief valve setting	90 psi (6.2 bar)	
Input and output hoses	COREFLEX™, PTFE Silicon covered hose with stainless steel braid and fiberglass reinforcement. Includes stainless steel Swagelok end fittings. Autoclavable.	
Drain	Locking clip and 3/4 in OD barb to connect to the drain hose	
Weight	2 Gallon tank, regulators, and cart	56 lbs (25.4 kg)
	5 Gallon tank, regulators, and cart	66 lbs (29.9 kg)
	2 Gallon tank	21.5 lbs (9.8 kg)
	5 Gallon tank	31.5 lbs (14.3 kg)
	Input regulator	2.9 lbs (1.3 kg)
	Output regulator	4.5 lbs (2 kg)
	Cart	27 lbs (12.2 kg)
Dimensions	36 × 28 in (H × W) / 91.4 × 71.1 cm (H × W)	

Top View

Lid

Input regulator

Automatic relief valve

Manual relief valve

Tank pressure gauge

Purge valve

Output regulator

Regulator valve

Output pressure gauge

Mop Frames and Mopheads

Sterile/non-sterile options

Basis weight of fabric	144 to 150 g/m²
Basis weight of foam	405 to 415 g/m²
Foam type	Polyester polyurethane
Extrinsic sorbency	285 mL
Intrinsic	10.8 mL/g
Rate in water	Less than 5 seconds
Adhesive between layers	Thermoset polyurethane

The sterile mophead is terminally sterilized via ANSI/AAMI/ISO 111.37-1994 (Radiation Sterilization, Method 1) and individually packaged. The non-sterile mophead can be autoclaved on site, using a recommended cycle of 30 to 60 minutes at 125 °C.

This information is provided by the supplier. It is accurate at the date of this writing and is subject to change at the supplier's discretion without notice.

Part Number	Description
C2C-100-2-7	7" Mop Frame, stainless steel
C2C-100-2-12	12" Mop Frame, stainless steel
C2C-100-7	7" Mophead Sponge, NS, 12/cs
C2C-100-8	7" Mophead Sponge, S, 48/cs
C2C-100-9	12" Mophead Sponge, NS, 32/cs
C2C-100-10	12" Mophead Sponge, S, 32/cs
C2C-100-11	7" Mophead Cover, NS, 32/cs
C2C-100-12	7" Mophead Cover, S, 48/cs
C2C-100-13	12" Mophead Cover, NS, 120/cs
C2C-100-14	12" Mophead Cover, S, 32/cs

*S=Sterile NS=Non-sterile   All Mophead Covers are *Bouffant Style*

7 inch Mop Frame (C2C-100-2-7)   **12 inch Mop Frame (C2C-100-2-12)**
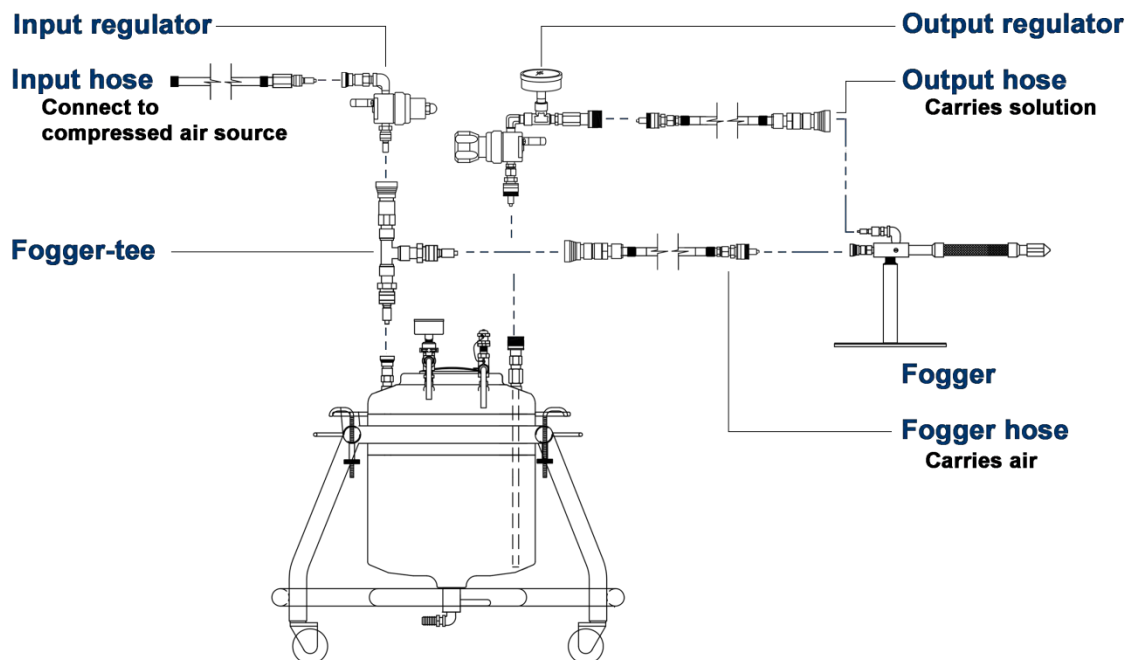
Fogger

Flow Rate	With the output pressure set to 20 psi (1.4 bar) and the input air pressure set to at least 30 psi (2 bar), the flow rate is between 1 and 2.2 gal/hr (2.1 and 4.7 oz/min).
Droplet Size	With the output pressure set to 20 psi (1.4 bar) and the input air pressure set to at least 30 psi (2 bar), the droplet size is 50 microns.
Nozzle Type	Vertical air atomizer, dual nozzles Air flow of dual nozzles is 5.5 CFM at 30 psi (2 bar)
Flexible Hose	1/2 in ID, stainless steel, single braided jacket Maximum regulated operating pressure is 100 psi (6.9 bar) Bend radius of 6 in (15.2 cm) Hose length 12 in (30.5 cm)
Weight	8.9 lbs (4 kg)
Dimensions	17 × 8 × 9 in (L × W × H) / 43.2 × 20.3 × 22.9 cm (L × W × H)
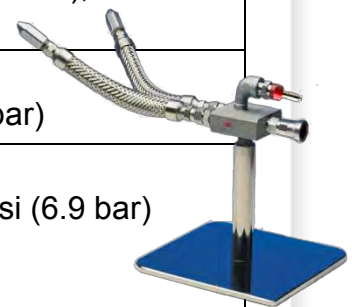
Part Number	Description
C2C-100-3	Fogger, fogger-tee, and fogger hose
ZC2C-FOGGER-TEE	Fogger-tee
C2C-100-4C-S	Fogger hose

Connecting the Fogger

Input regulator

Input hose
Connect to compressed air source

Output regulator

Output hose
Carries solution

Fogger-tee

Fogger

Fogger hose
Carries air

Replacement Parts

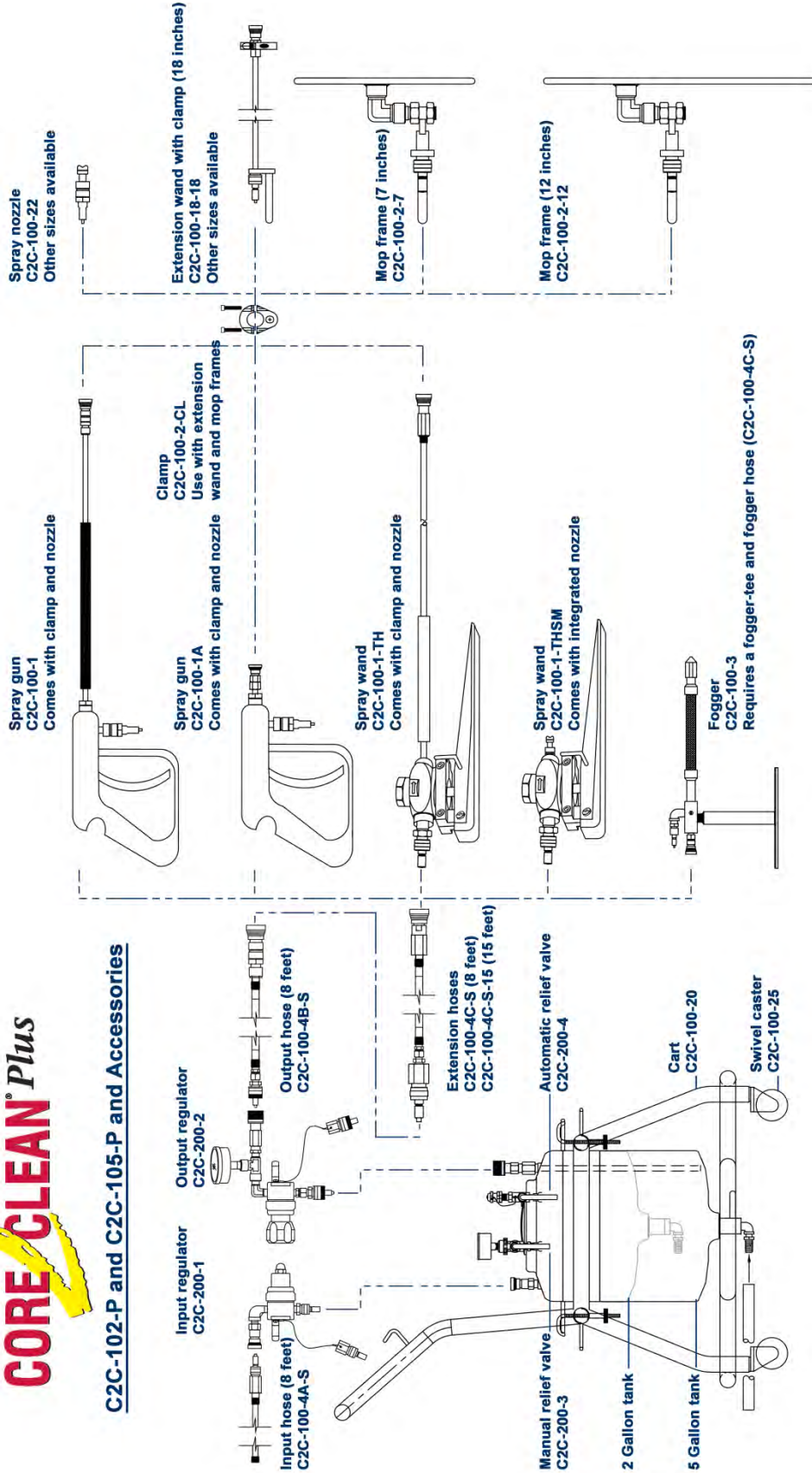| Part Number	Description
C2C-100-1	Replacement spray gun with 3′ wand, spray nozzle, and clamp. Gun has Swagelok fittings and trigger control. Nozzle is 316 stainless steel and has a 50° spray pattern of 0.52 GPM at 30 psi.
C2C-100-1-TH	Optional replacement spray wand with 3′ wand, spray nozzle, and clamp. Gun has Swagelok fittings and thumb-style trigger control. Nozzle is 316 stainless steel and has a 50° spray pattern of 0.26 GPM at 30 psi.
C2C-100-18-18	18 in Extension wand with clamp, bayonet, and Swagelok fittings
C2C-100-18-36	36 in Extension wand with clamp, bayonet, and Swagelok fittings
C2C-100-18-120	120 in Extension wand with clamp, bayonet, and Swagelok fittings
C2C100-2-CL	Replacement clamp for use with extension wand or mop frame
C2C-100-4A-S	8 ft Input hose replacement with Swagelok fittings
C2C-100-4B-S	8 ft Output hose replacement with Swagelok fittings
C2C-100-4C-S	8 ft Hose extension with Swagelok fittings
C2C-100-4C-S-15	15 ft Hose extension with Swagelok fittings
C2C-100-22	Spray nozzle, Standard, 0.52 GPM, stainless steel
C2C-100-22-03	Spray nozzle, Optional, 0.26 GPM, stainless steel
C2C-100-25	Replacement swivel caster assembly with standard wheel (white) and stainless steel frame, stud, axle, and bearings
C2C-100-35	Replacement swivel caster assembly with Heateater wheel (brown) and stainless steel frame, stud, axle, and bearings
C2C-WHEEL-STD	Replacement standard C2C wheel (white)
C2C-WHEEL-NYL	Replacement Heateater C2C wheel (brown)
C2C-100-20	Stainless steel cart
C2C-200-1	Replacement input regulator, stainless steel
C2C-200-2	Replacement output regulator, stainless steel
C2C-200-3	Manual relief valve, stainless steel
C2C-200-4	Automatic relief valve, stainless steel
C2C-GAUGE-OUTPUTREG	Output pressure gauge, 0-60 psi scale, 316L stainless steel bezel, and glass window
C2C-GAUGE-TANK	Tank pressure gauge, 0-160 psi scale, 316L stainless steel bezel, and glass window
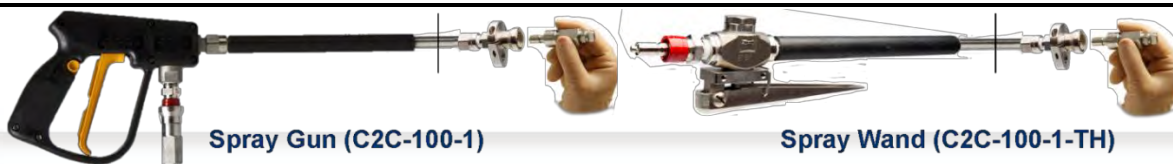
Spray Gun (C2C-100-1)   Spray Wand (C2C-100-1-TH)

CORE2CLEAN Plus

C2C-102-P and C2C-105-P and Accessories

Spray nozzle
C2C-100-22
Other sizes available

Extension wand with clamp (18 inches)
C2C-100-18-18
Other sizes available

Mop frame (7 inches)
C2C-100-2-7

Mop frame (12 inches)
C2C-100-2-12

Clamp
C2C-100-2-CL
Use with extension
wand and mop frames

Spray gun
C2C-100-1
Comes with clamp and nozzle

Spray gun
C2C-100-1A
Comes with clamp and nozzle

Spray wand
C2C-100-1-TH
Comes with clamp and nozzle

Spray wand
C2C-100-1-THSM
Comes with integrated nozzle

Fogger
C2C-100-3
Requires a fogger-tee and fogger hose (C2C-100-4C-S)

Input regulator
C2C-200-1

Output regulator
C2C-200-2

Output hose (8 feet)
C2C-100-4B-S

Extension hoses
C2C-100-4C-S (8 feet)
C2C-100-4C-S-15 (15 feet)

Automatic relief valve
C2C-200-4

Cart
C2C-100-20

Swivel caster
C2C-100-25

Input hose (8 feet)
C2C-100-4A-S

Manual relief valve
C2C-200-3

2 Gallon tank

5 Gallon tank

Autoclavable Input and Output Regulators

Autoclavable Manual and Automatic Pressure Relief Valves

No-Tilt Ergonomic Cart and Easy to Remove ASME Tank

Easy Empty Tank Valve

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