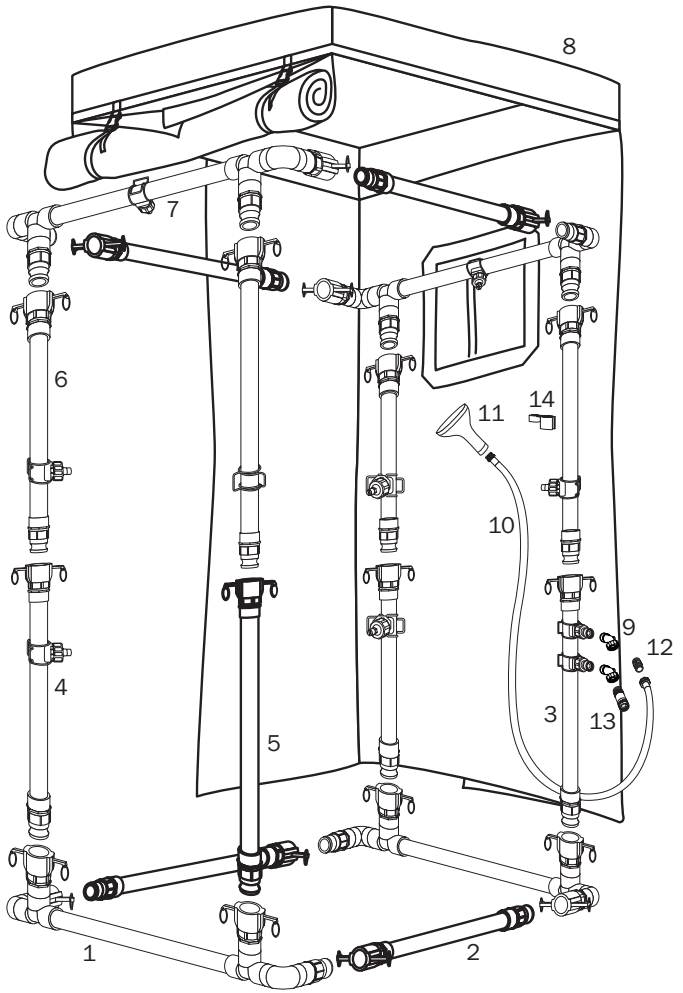
Single Stall Conversion Kit for MasCas® II Shower *HM4205*



Assembly Instructions

A. Become familiar with all HM4200 MasCas II Decontamination Shower parts and assembly steps.

B. Parts supplied in the HM4205 Single Stall Conversion Kit have bold outlines on the assembly illustration and are noted in bold in the following instructions. All other parts are supplied with the HM4200 MasCas II Decon Shower.

C. Open Mesh Bag with Single Stall Conversion parts.

D. Identify and separate the two Bottom U-Bases (#1) and two Single Stall Extender pieces (#2). Place on floor and space U-Bases approximately 3 feet apart as shown in illustration. Connect Extenders to U-bases.

E. Locate Water Inlet Upright (#3) and insert into one of the U-base corners. Point brass valves toward the exterior of the shower unit.

F. Locate two Bottom Spray Uprights (#4) and one Single Stall Plain Upright (#5) and insert into remaining U-Base corners. Point spray heads toward interior of shower unit.

G. Locate four Top Spray Uprights (#6) and connect to the Bottom Uprights that have already been assembled to shower base. Point spray heads toward the interior of the shower.

H. Connect two Top U-Bases (#7) to Uprights.

I. Connect remaining two Single Stall Extender pieces (#2) between Top U-Bases to complete shower assembly.

J. Conduct a quick check to ensure that all Quick Connect fittings are fully locked.

K. Place Shower Enclosure (#8) on top of shower as shown.

L. Attach blue handheld Sprayer Hose (#10) to top brass Hose Shutoff (#9) on the Water Inlet Upright. A male/male brass Adapter (#12) is required.

M. Attach Fan Spray Nozzle (#11) to Sprayer Hose.

N. Attach Hand-Held Hose Hanger (#14)

O. OPTIONAL: Attach Pressure Regulator (#13) to bottom brass shutoff valve. A Pressure Regulators is recommended for high or unstable water pressure sources.

P. Attach water supply hose to bottom Hose Shutoff valve.

Q. Shower is now ready to operate.

R. Adjust position and angle of shower nozzles for spray pattern as desired.

Parts List *Replacement parts are available, contact DQE to order.*

PART NAME	QTY	PART NUMBER
1. Bottom U-Base (blue tape)	2	HMPT42001
2. Single Stall Extender	**4**	**HMPT42051**
3. Water Inlet Upright (blue tape)	1	HMPT42004
4. Bottom Spray Upright (blue tape)	2	HMPT42005
5. Single Stall Plain Upright	**1**	**HMPT42052**
6. Top Spray Upright (red tape)	4	HMPT42006
7. Top U-Base (red tape)	2	HMPT42008
8. Shower Enclosure	**1**	**HM1055**
9. Hose Shutoff (brass)	2	N115C
10. Sprayer Hose	1	HOSEBLUE
11. Fan Spray Nozzle	1	HM214
12. Male/Male Adapter (brass)	1	CT1032
13. Water Pressure Regulator	1	HM212
14. Hand-Held Hose Hanger	1	HMPT10017
15. Stakes (not shown)	2	HMPTSTAKE
16. Straps (not shown)	2	HMPTSTRAP
17. Mesh Cary Bag (not shown)	**1**	**HMPTRH7000-2**

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Shower Operation

A. For the single stall configuration, attach a water supply hose with standard garden hose fitting (not included) to lower Brass Hose Shutoff on the Water Inlet Upright.

B. Turn water supply on. The lower Brass Hose Shutoff should be in the "open" position and the upper Brass Hose Shutoff for the Handheld Sprayer should be in the "closed" position. It takes approximately 1 minute to achieve full spray pattern.

C. Check aim of shower heads and use shower according to your standard operating procedures.

D. After use, the shower should be fully decontaminated using your standard operating procedures and in full compliance with state and federal regulations.

E. The shower should be inspected for damage or missing parts and should be completely dry before storage.

F. Store in mesh and vinyl carry bags in moderate environmental conditions out of direct sunlight or exposure to ozone.

Effective Spray Pattern

A. The most effective spray pattern creates a virtual wall of water by overlapping the fan-shaped spray and keeping the spray in a vertical plane with the upright portion of the shower.

B. All shower heads should be aimed so that the centers of the fans are at approximately the center point of the average user's body as they stand in each shower stall.

C. The optimum spray pattern is attained when at least 15 gpm (30-50 psi) of water is supplied to the water inlet.

Shower Inspection and Maintenance

A. As with all emergency equipment, you should develop an inspection program that assures its suitability for use in an incident.

B. Program should include deploying, visually inspecting, and operating the shower at least every 3 months. All problems should be immediately corrected.

C. Maintenance on this shower is minimal. The inspection program should reveal any problems with quick connects or hose connections. These may include worn or missing O-Rings, broken cam locks or leaking joints.

D. Due to the nature of the materials used in this shower, cracked pipes are very unlikely.

E. Occasional coatings of silicone-based lubricant on the quick connect surfaces and cam locks will ensure they function smoothly.

F. Clogged spray tips can be removed by unscrewing the gray sprayer collars and blowing out the debris.

High Winds

A. When the MasCas II Shower is being used outdoors in windy weather, it is best to operate the shower for a short time to fill the lower section with water. The weight of the water helps secure the shower to the ground.

B. When wind speeds exceed 20 mph, it may be necessary to use the enclosed Straps and Stakes as a secondary means to secure the shower to the ground.

Instructions for Strap Use:

C. Set shower up so that the pathway through the shower is perpendicular to the wind.

D. Wrap straps around Top U-Bases at each end of shower and feed one end of strap through the loop at the other end. Cinch it tight.

E. Extend straps out and secure the other end to the ground using the enclosed stakes or other method.