

Undercarriage Wash Systems

WCU Series



Making a positive impact on our environment
for today and future generations.

WCU Series

Undercarriage Wash Systems



WCU-35-OME1

THE IDEAL ACCESSORY FOR ANY WASH BAY, THIS SYSTEM HELPS TO REMOVE MUD AND GRIME BUILD-UP UNDER VEHICLES AND SMALL EQUIPMENT. THE DURABLE STEEL FRAME ENSURES LONGEVITY EVEN IN HARSH CONDITIONS.

CUSTOM BUILT UNITS ARE AVAILABLE. CONSULT DEALER FOR MORE INFORMATION.

FEATURES

- Powder coated frame with control box and pump
- 8-foot stainless-steel spray bar with 16 nozzles
- Auto shut-off valve
- 250-gallon holding tank, supply hose and make-up valve
- PLC controls for automatic pump operation with photo-eye and remote box
- ETL listed NEMA-4 rated corrosion-proof control panel



MODEL NUMBER	GPM @ PSI	PUMP	POWER REQUIREMENTS	SPRAY BAR COVER DIMENSIONS (LxWxH)	PUMP FRAME DIMENSIONS (LxWxH)	HOLDING TANK DIMENSIONS (WxH)	SHIP WT.
WCU-35-OME1	35 @ 110	3.0 HP	230V, 1Ø, 15.0A	96x6x0.5in.	4x3x5ft.	36x62in.	450 lb.
WCU-35-OME3	35 @ 110	3.0 HP	208-230V, 3Ø, 10.0A or 460V, 3Ø, 5.0A	96x6x0.5in.	4x3x5ft.	36x62in.	450 lb.

ACCESSORY:

PART NUMBER	DESCRIPTION	FITS MODELS
18-0017	Nozzles – Sixteen 15°, size 15 nozzles, for high undercarriages	All models

OPTIONS:

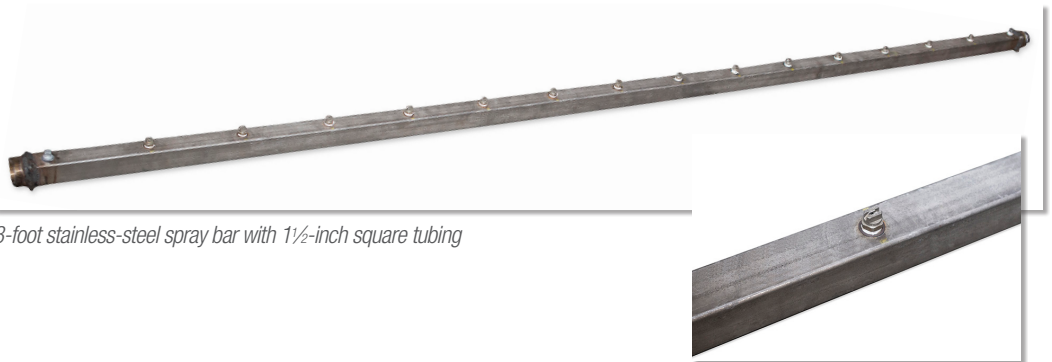
PART NUMBER	DESCRIPTION	FITS MODELS
WX-0144	460V, 3Ø – Upgrades 208-230V model to operate at 460V	All models
WX-0146	Detergent – Adds chemical injector to bypass line of pump, chemical gets injected at inlet of pump	All models

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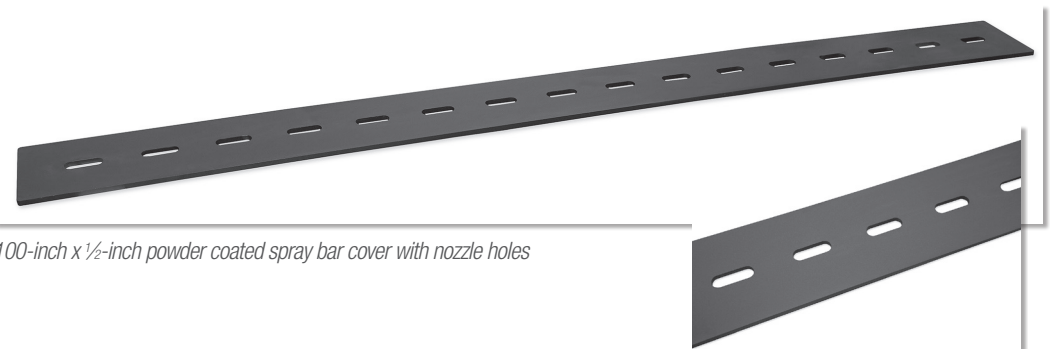
Sixteen 25°, size 15 nozzles spaced 6-inches apart, for low undercarriages



8-foot stainless-steel spray bar with 1½-inch square tubing



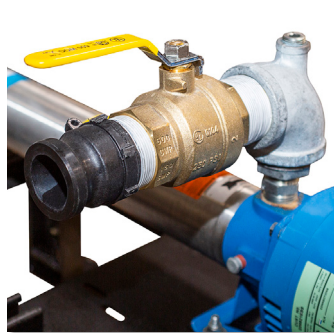
Remote box for auto/manual operation of spray bar



100-inch x 1½-inch powder coated spray bar cover with nozzle holes



Photo-eye with 10-foot maximum range



Shut-off valve



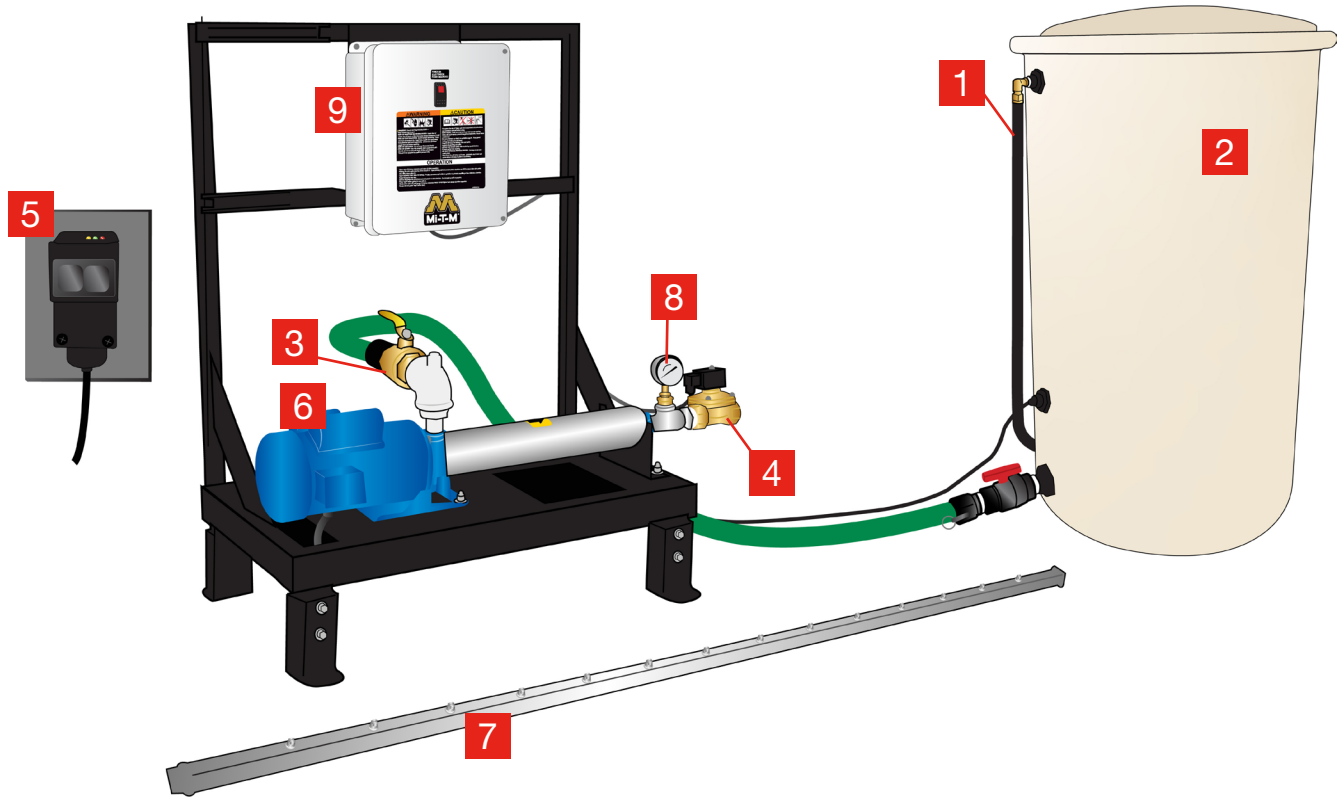
Auto flow control solenoid that opens water flow valve when system is on and closes when off to prevent drainage



250-gallon holding tank, with brass float valve and supply plumbing

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Process & Flow Description



1. **INLET CONNECTION** – Connect a fresh water supply with at least 20-PSI to the water supply tank.
2. **WATER SUPPLY TANK** – A 250-gallon tank with an automatic water level float valve supplies water to the system.
3. **WATER SUPPLY VALVE** – Connects water supply tank to undercarriage wash system.
4. **AUTO FLOW CONTROL** – Opens water flow valve when system is on, closes when off.
5. **PHOTO-EYE** – Detects incoming vehicles and equipment and sends signal to start system.
6. **MULTISTAGE WASH SYSTEM PUMP** – A 3.0 HP, 13-stage centrifugal pump increases water pressure to 110-PSI to push through spray bar at 35.0-GPM.
7. **SPRAY BAR** – Provides upward high impact spray for undercarriage cleaning.
8. **PRESSURE GAUGE** – Measures pump pressure to monitor system performance.
9. **CONTROL PANEL** – ETL listed NEMA-4 rated corrosion-proof control panel for safe and reliable operation.



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