



## CAT PUMPS® Pressure Washer with Soap Injector

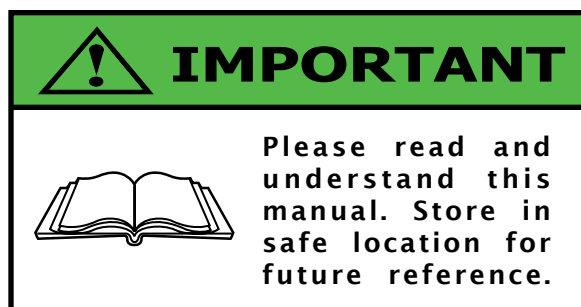
**DU PM35C & DU PM35C-WH**



Owner's Manual #0780 010311

Serial Number:

Installation Date:



**Everyone who operates this unit should understand basic operations and safety precautions!** The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

*If you have any questions or suggestions about this manual, please contact us.*

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**To avoid serious or fatal personal injury or major property damage, read and follow all safety and operation instructions in the manual.**



This is a **Safety Alert Symbol** -

When you see this symbol in the manual, look for the following signal words & be alert to the potential for personal injury or property damage.



Warns of potential hazards that **WILL** cause serious personal injury, death or property damage.



Warns of potential hazards that **CAN** cause serious personal injury, death or property damage.



Warns of potential hazards that **WILL** or **CAN** cause minor personal injury, death or property damage.



Indicates special instructions that **MUST** be followed but not related to hazards.

**This manual is intended to assist in the installation and operation of this unit.  
Do not attempt to operate this unit without reading and understanding this manual.**

### General Safety

*To avoid the risk of serious bodily injury and property damage, read safety instructions carefully before installing this system. Follow all local and/or national plumbing and electrical codes when installing.*



#### **Do Not Allow System or Components to Freeze.**

To do so may damage the system and will void the warranty.



#### **Never Run the System Dry.**

Running the unit dry (without fluid) can damage internal parts, overheat pump (which can cause burns to people handling or servicing the pump), and will void the warranty.



#### **Risk of Electric Shock.**

Keep the unit dry at all times -

Do not wash the motor or electrical panel or allow the unit to sit in standing water.

Use only Ground Fault Circuit Interrupter (GFCI) protected grounded outlet for the cord plug. If you must use an extension cord, use only UL approved indoor/outdoor, 3-wire, grounding type cords. The cord must be rated to support amp draw. Do not allow any part of cord or receptacle ends to sit in water.

*To avoid fatal shocks, proceed as follows if service is needed:*

- Turn off water to the system.
- Disconnect the power at main electrical service before unplugging the unit.
- Ground the electrical outlet box.
- Take extreme care when changing fuses.



Do not run the unit with discharge shut off, as hose may burst or damage may occur.



Modern motors can operate at high temperatures. To avoid burns when servicing pump, allow it to cool for 20 minutes after shutdown before handling.

## CAT PUMPS® Pressure Washer with Soap Injector Specifications

Model(s) .....	DU PM35C & DU PM35C-WH
Style .....	High Pressure Plunger Pump
Capacity .....	3 GPM
PSI .....	1000
Maximum Inlet Pressure .....	75 PSI
Maximum Inlet Temperature .....	130° F
	*See Included CAT PUMPS® Service Manual for Higher Temperatures
Motor .....	CC 8052 :: 2 HP / 1 PH, 120 Volts / 20 Amps
Pump .....	CC 2SF30ES
Crankcase Capacity .....	11.83 oz.
Pump Drive .....	Direct
Dimensions .....	Approx. 20" x 14" x 18"
Shipping Weight .....	Approx. 85 lbs.
Pump Inlet .....	3/8"
Pump Discharge .....	3/8"

## System Features & Options

CAT PUMPS® Plunger Pump with Regulating Unloader  
 2 HP, 1 PH, TEFC, C-Face Motor  
 25' GFCI Power Cord  
 Safety Pop Off Valve  
 Downstream Chemical Injector  
 Trigger Spray Gun with: Gun Swivel, Washjet Nozzle, Adjustable Soap Nozzle, and 17" Extension with Grip  
 25' High Pressure Wash Hose  
 Portable Hand Carry Baseplate or Wheeled Cart  
 All Units are Pre-Plumbed, Pre-Wired, and Tested  
 All Units can operate at 115 or 230 Volt.  
 Pressure Gauge is Optional

## Operation Instructions

1. The pump inlet is supplied with a 3/4" female garden hose fitting. Connect a garden hose to the pump inlet and secure. (Fig. 1-A)



**Pressure at inlet of pump should not exceed 75 PSI.**

2. Make sure the power switch is in the OFF position. Plug the unit into a 120 volt, 20 amp power source.



**If using an extension cord, use only a UL approved indoor/outdoor, 3-wire, grounding type cord. The cord must be rated to support amp draw.**

3. Turn on the water supply and check for leaks.
4. While holding the trigger gun open start the unit. All units are Pre-Tested and pressure should come up to specifications (1000 PSI). (see fig. 2) When trigger gun is closed, the unloader will bypass flow back to the inlet of the pump. If your unit has the optional pressure gauge, it should read 0 PSI when in bypass mode.



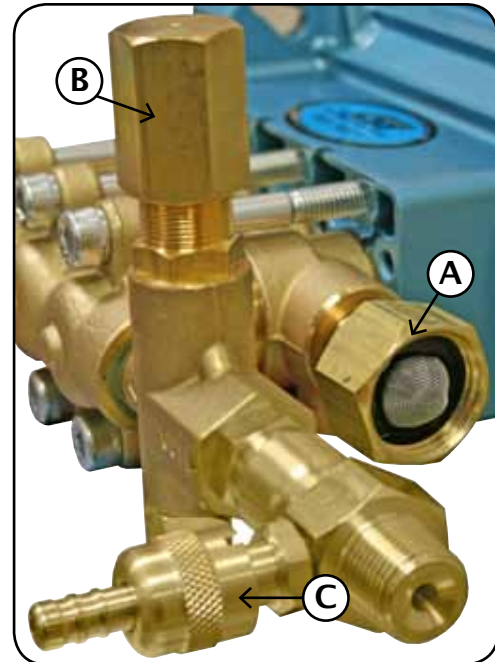
**Leaving pump in bypass mode for more than a few minutes can damage the pump due to friction heat buildup.**

5. Pressure can be adjusted by turning handle in regulating unloader valve. (Fig. 1-B) Turn handle clockwise to increase pressure or counter-clockwise to decrease pressure. Care should be taken not to exceed maximum pump pressure of 1000 PSI.

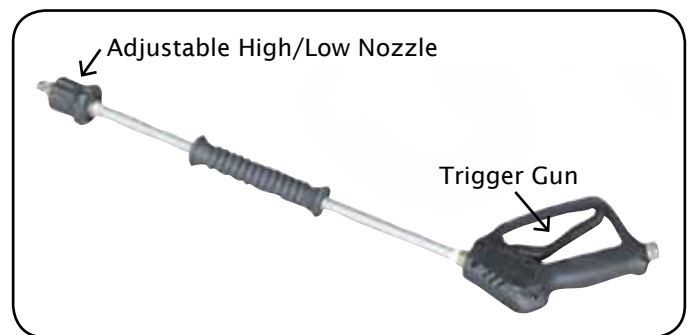


**Damage to the pump and/or motor can occur if maximum pressure is exceeded.**

6. The chemical feed design utilizes a Downstream Injection System. This allows you to apply chemical with low pressure only. A high/low twisting device at the end of the trigger gun (Fig. 2) drops pressure across injector and chemical will draw.
7. Meter chemical draw by turning knob on injector. (Fig. 1-C) When chemical has been applied, turn high/low nozzle back to high pressure and wash.



*figure 1*



*figure 2*

## Maintenance & Storage

1. Change the oil after initial 50 hours. Use CAT PUMPS® Oil, part number CC 6100-1 for 21 oz. bottles or CC 6105-1 for 2.5 gallon jug. (Fig. 3)



**This pump takes 11.83 oz.**

2. The oil should be changed every 500 hours. If other than CAT PUMPS® special custom blend multi-viscosity ISO68 hydraulic oil is used, change the oil every 300 hours.
3. For extended storage or between use in cold climates, drain all pumped liquids from pump and flush with antifreeze to prevent freezing and damage to the pump. When running antifreeze through system, open and close trigger gun so entire system is protected.



*figure 3*

***Please refer to the included CAT PUMPS® reference materials for additional information on the Maintenance & Storage of your CAT PUMPS® Pressure Washer.***

### Dultmeier Sales, LLC

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## Parts Breakdown: DU PM35C-WH



Item	Part Number	Description
1	DU 1252	Hose Holder
2	GA 6HR25	25' Black Wash Hose
3	CC 8052	CAT PUMPS® Motor 2HP 1PH
4	CC 2SF30ES	CAT PUMPS® Super Flow Pump with Regulating Unloader
5	AA A7547	Chemical Injector
6	TF 1	Vinyl Tubing
7	GA 3204EB-3/8	Bypass Hose
8	GU 22531A	Safety Pop Off Valve
9	AH 2750-3	2300# Liquid Filled Pressure Gauge (Optional)
	NP ST1500	Trigger Gun (Not Shown)
	NP ST007-18	17" Wand Extension with Grip (Not Shown)
	IP ST55N	Adjustable Soap Nozzle (Not Shown)
	SS 1/4MEG25055	Washjet Nozzle (Not Shown)
	SM 900-3/8	Gun Swivel (Not Shown)
	DU 1051-12-25	25' GFCI Cord (Not Visible)



## Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.

**Dultmeier Sales • 1-800-228-9666 Omaha, NE • 1-800-553-6975 Davenport, IA**



## Production Checklist

<input type="checkbox"/> OK <input type="checkbox"/> NA	Oil Level	<input type="checkbox"/> OK <input type="checkbox"/> NA	Pop-Off Valve Set _____ PSI
<input type="checkbox"/> OK <input type="checkbox"/> NA	Clamps Tight	<input type="checkbox"/> OK <input type="checkbox"/> NA	Unloader Valve Locked
<input type="checkbox"/> OK <input type="checkbox"/> NA	Bolts Tight & Anti-Seized	<input type="checkbox"/> OK <input type="checkbox"/> NA	PSI _____
<input type="checkbox"/> OK <input type="checkbox"/> NA	Belts Tight	<input type="checkbox"/> OK <input type="checkbox"/> NA	Pump RPM _____
<input type="checkbox"/> OK <input type="checkbox"/> NA	Pulleys Aligned & Torqued to Specifications	<input type="checkbox"/> OK <input type="checkbox"/> NA	Motor Amps _____
<input type="checkbox"/> OK <input type="checkbox"/> NA	Fittings Straight	<input type="checkbox"/> OK <input type="checkbox"/> NA	Motor Wired For _____
<input type="checkbox"/> OK <input type="checkbox"/> NA	Tested	<b>Accessories</b>	
<input type="checkbox"/> OK <input type="checkbox"/> NA	Winterized	<input type="checkbox"/> OK <input type="checkbox"/> NA	Safety Pop Off Valve
<input type="checkbox"/> OK <input type="checkbox"/> NA	_____	<input type="checkbox"/> OK <input type="checkbox"/> NA	Trigger Gun     1     2
<input type="checkbox"/> OK <input type="checkbox"/> NA	_____	<input type="checkbox"/> OK <input type="checkbox"/> NA	High Pressure Hose
<input type="checkbox"/> OK <input type="checkbox"/> NA	_____	<input type="checkbox"/> OK <input type="checkbox"/> NA	Injector / Injector Hose
<input type="checkbox"/> OK <input type="checkbox"/> NA	_____	<input type="checkbox"/> OK <input type="checkbox"/> NA	Gauge
<input type="checkbox"/> OK <input type="checkbox"/> NA	_____	<input type="checkbox"/> OK <input type="checkbox"/> NA	_____

Built By \_\_\_\_\_

Checked By \_\_\_\_\_

## Customer Checklist

<input type="checkbox"/> OK <input type="checkbox"/> NA	Oil Level To Manufacturer's Specifications
<input type="checkbox"/> OK <input type="checkbox"/> NA	Accessories Included
<input type="checkbox"/> OK <input type="checkbox"/> NA	Electric Cord
<input type="checkbox"/> OK <input type="checkbox"/> NA	Shipping Container Was In Good Shape
<input type="checkbox"/> OK <input type="checkbox"/> NA	Overall Condition

*If you have any questions or concerns about condition of this unit, please contact us before operating.*