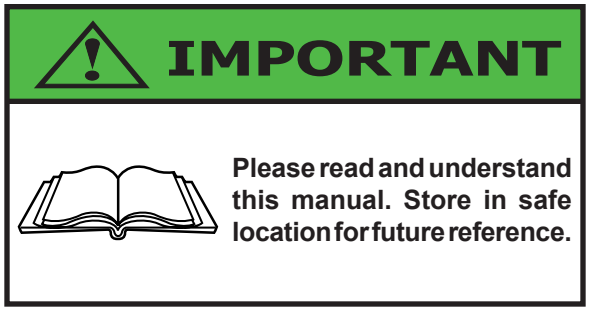
Wash Prep Units featuring CAT Pumps®

DU PM290-21





Owner's Manual #0828 011613	
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 at:

1-888-677-5054
dultmeier@dultmeier.com
www.dultmeier.com

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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.

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

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

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

IMPORTANT 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.

IMPORTANT

Do Not Allow System or Components to Freeze.
To do so may damage the system and will void the warranty.

WARNING

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.

WARNING



Hazardous voltage can shock, burn or cause death.

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:

A. Turn off water to the system.
B. Disconnect the power at main electrical service before unplugging the unit.
C. Ground the electrical outlet box.
D. 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.

Wash Prep Units Specifications

Model(s) ..... **DU PM290-21**

Style ..... High Pressure Piston Pump

Capacity ..... 4.83 GPM

PSI 2300

Maximum Inlet Pressure ..... 40 PSI

Maximum Inlet Temperature ..... 160° F

Motor .....

CEL3516T	2 HP, 1 PH	
Volts:	115	230
Amps:	8.8	8.8

Pump ..... CC 290

Crankcase Capacity ..... 10 oz.

Pump Drive ..... Belt

Pump Inlet ..... 1/2”

Pump Discharge ..... 3/8”

Dimensions ..... Approx. 30”L x 19.5”W x 17.5”H

Shipping Weight ..... Approx. 104 lbs.

System Features

CAT Pumps® Plunger Pump Belt Drive - with Baldor Motor

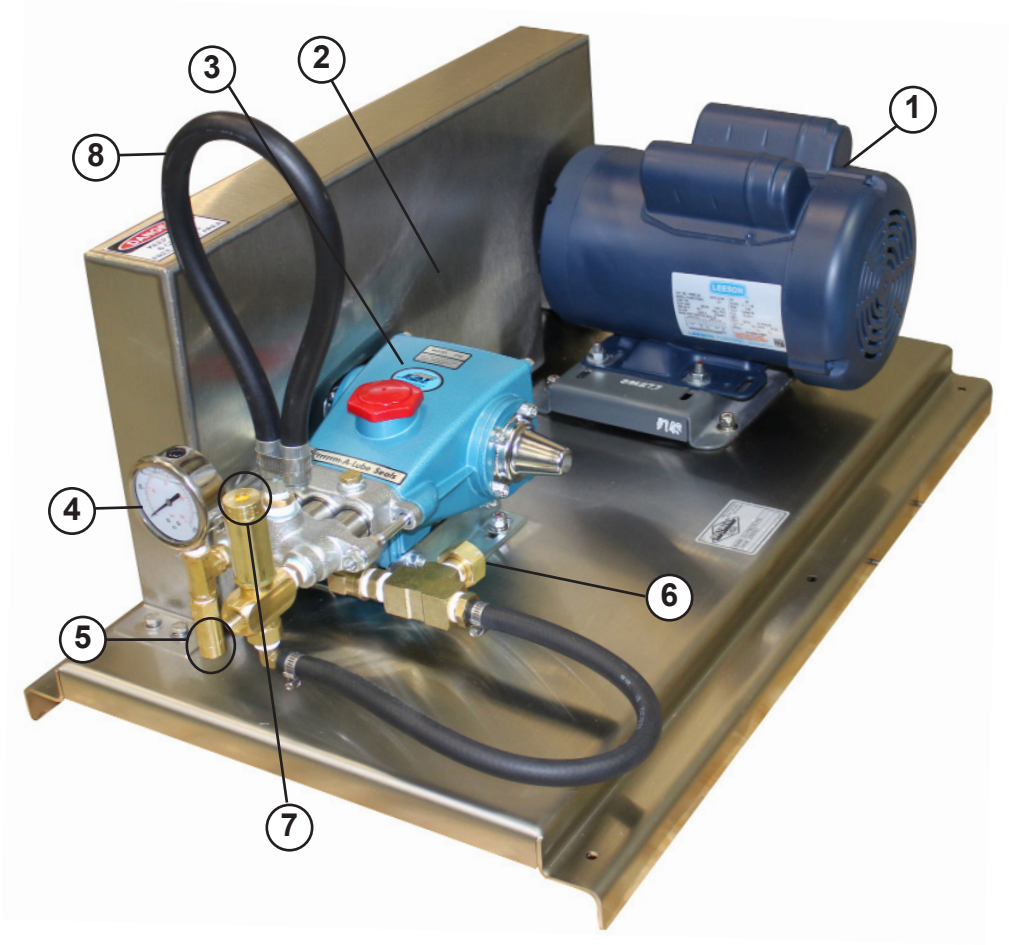
Heavy Duty Stainless Steel Baseplate & Belt Guard

Adjustable Motor Baseplate

Safety Pop-off Valve

Adjustable Pressure Unloader

Parts Breakdown: PM 290-21



Item	Part Number	Description
1	CE L3516T	2 HP/ 1 PH Baldor Motor
2	GA AX35	38* A-Belt
3	CC 290	Cat Piston Pump
4	CE L3609T	3 HP / 1 PH Motor
5	GU 22568	Safety Pop-off Valve
6	SM 330-87	In-line Balance Relief Valve
7	HY 3800-35	Garden Hose Strainer
8	HY 3375-8	Pulse Hose

Production Checklist

OK NA Oil Level
OK NA Clamps Tight
OK NA Bolts Tight & Anti-Seized
OK NA Belts Tight
OK NA Pulleys Aligned & Torqued to Specifications
OK NA Fittings Straight
OK NA Pop-Off Valve Set_____ PSI
OK NA Unloader Valve Locked
OK NA PSI_____
OK NA Pump RPM_____
OK NA Motor Amps_____
OK NA Motor Wired For_____

Accessories

OK NA Safety Pop Off Valve
OK NA Trigger Gun 1 2
OK NA High Pressure Hose
OK NA Injector / Injector Hose
OK NA Gauge
OK NA _____
OK NA _____
OK NA Tested
OK NA Winterized

Built By_____ **Checked By**_____

Customer Checklist

OK NA Oil Level To Manufacturer's Specifications
OK NA Accessories Included
OK NA Shipping Container Was In Good Shape
OK NA Overall Condition

If you have any questions or concerns about condition of this unit, please contact us at 1-888-677-5054 before operating.

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 • 1-888-677-5054
Omaha, NE - Davenport, IA

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