



Diesel Fuel Transfer Pump Unit

DUFPU1.5P
DUFPU1.5PE
DUFPU1.5P-B
DUFPU1.5P-METER

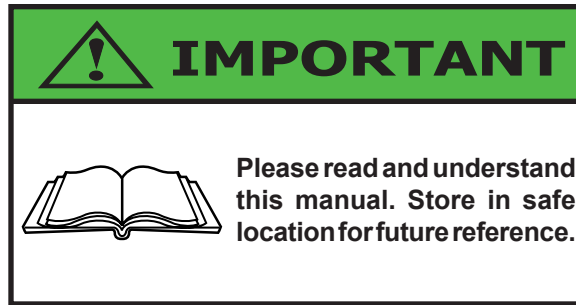


*DUFPU1.5P-METER shown

Owner's Manual M-0855 07.18.2023

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 on 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 the 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.



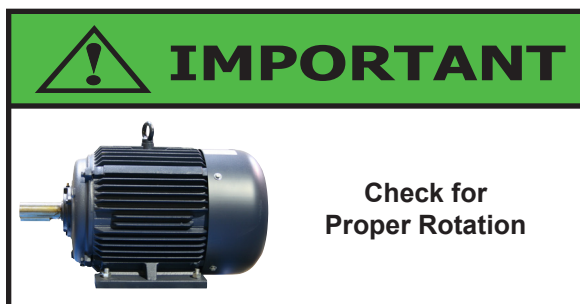
Use only Ground Fault Circuit Interrupter (GFCI) protected grounded outlet for the cord plug.

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.



**Check for
Proper Rotation**

Pump was designed for forward rotation to allow optimum lubrication of the crosshead area. Reverse rotation is acceptable if the crankcase oil level is increased slightly above center dot to assure adequate lubrication.



**Burn Hazard
Do Not Touch An
Operating Motor**

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

Specifications

Dimensions

DUFPU1.5P: 49"Lx42"Wx45"H
DUFPU1.5P-Meter: 48"Lx40"Wx45"H
DUFPU1.5P-B: 49"Lx42"Wx45"H
DUFPU1.5PE: 48"Lx40"Wx44"H

Shipping Weight

DUFPU1.5P: 395lbs
DUFPU1P-Meter: 397lbs
DUFPU1.5P-B: 395lbs
DUFPU1.5PE: 395lbs

Common Specifications

Maximum Inlet Pressure: 50PSI
Maximum Temperature: 110F
Maximum Discharge Pressure: 90PSI
Maximum GPM : 60
Pump Type: Self-Priming Centrifugal
Pump Drive: Engine
Pump Inlet Size: 2" FPT
Pump Discharge: 2" FPT
Spring Return Hose Reel
Automatic Shutoff Fuel Nozzle
Manual Recoil Gas Engine

Installation and Operations Instructions

- Plumb with 2" or larger supply hose and no further than 15-20' from fuel tank (source) – gravity feed applications are advised. If pulling from top of tank, consult Dultmeier Sales on pump positioning.
- Fill gas engine with gasoline.
- Prime pump.
- Pull fuel nozzle to equipment. (Fuel nozzle has locking handle and will automatically shut-off once nozzle is submerged as equipment fuel tank fills.)
- Start gas engine with manual recoil pull rope (see engine manual for details).
- Once done fueling, shut off gas engine. Note, pump is a centrifugal model and will internally bypass - no relief valve or dump valve is required. Advised operation is to shut off engine once done fueling.



Do not leave gas engine running when not fueling equipment.

Maintenance and Storage

Dultmeier Sales Advises that fitting connections are routinely checked for leaks. A spray bottle with soapy water that is sprayed on connection points can help determine if a leak exists. Anywhere bubbles are present, after spraying the soapy mixture, reapply pipe dope (compatible with fuels) and/or teflon tape. While the system can be stored outdoors, Dultmeier Sales advises that the equipment is protected from Mother Nature when not in use. This will ensure system longevity.

Hose Reel:

The swivel on the Hannay Hose Reel may need grease applied to the grease zerk - dependent upon usage. (Refer to Hanney manufacturers manual for details). The hose reel spring is a wearable item and could need to be replaced over the lifespan of the reel.

Pump:

Pump Seals are not a warranty item as they are wearable. If the pump is leaking around the drive shaft, the seal should be replaced. Revert to the MP Pumps manufacturer manual or contact Dultmeier Sales for assistance. Pump Cavitation is the number one cause of seal failure. See Trouble Shooting for more information.

Meter (only available on DUFPU1.5P-METER):

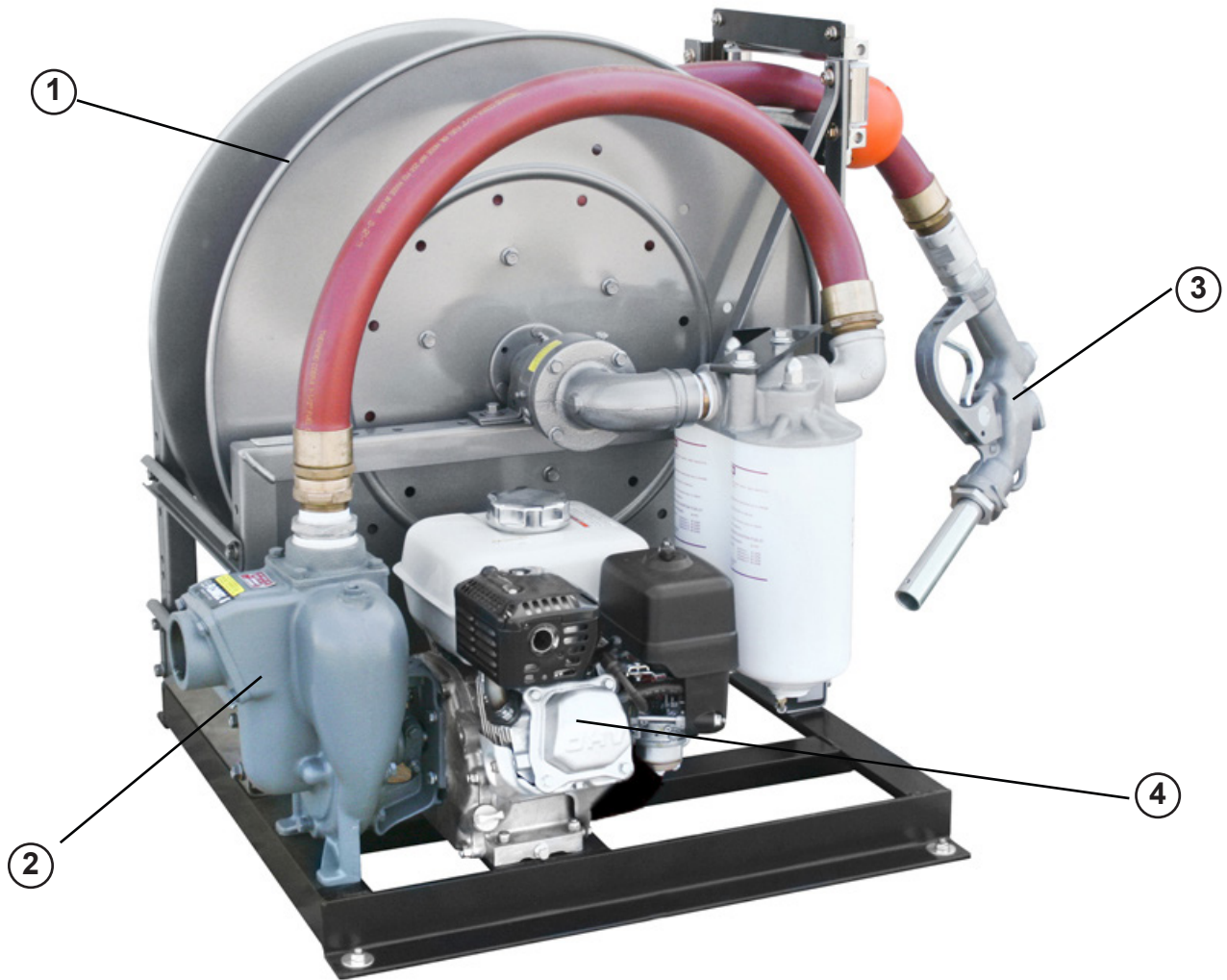
Please see included manufacturers manual for more details.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Pump seal leaks	Cavitation/loss of flow	Replace seal and address areas directly below
Loss of flow	Obstruction on the inlet of the pump	Clear the obstruction and/or check fuel strainer as it may be dirty or plugged. Fuel filters are designed to pull water from fuel. If the filter continues to produce low flow, the fuel may have too much water mixed in as a solution.
Cavitation (pump is drawing air instead of fluid)	Bad hose/hose is too small on suction side	Replace with new 2" ID hose
	Obstruction	Clear the obstruction and/or check fuel strainer as it may be dirty or plugged. Fuel filters are designed to pull water from fuel. If the filter continues to produce low flow, the fuel may have too much water mixed in as a solution.
Fuel nozzle doesn't auto-shutoff	Poppet or internal failure	Replace complete fuel nozzle or poppet
Fuel meter doesn't register correctly	Variety of cause/solutions, please refer to manufacturers manual supplied with literature packet	Variety of cause/solutions, please refer to manufacturers manual supplied with literature packet

Parts Breakdown:

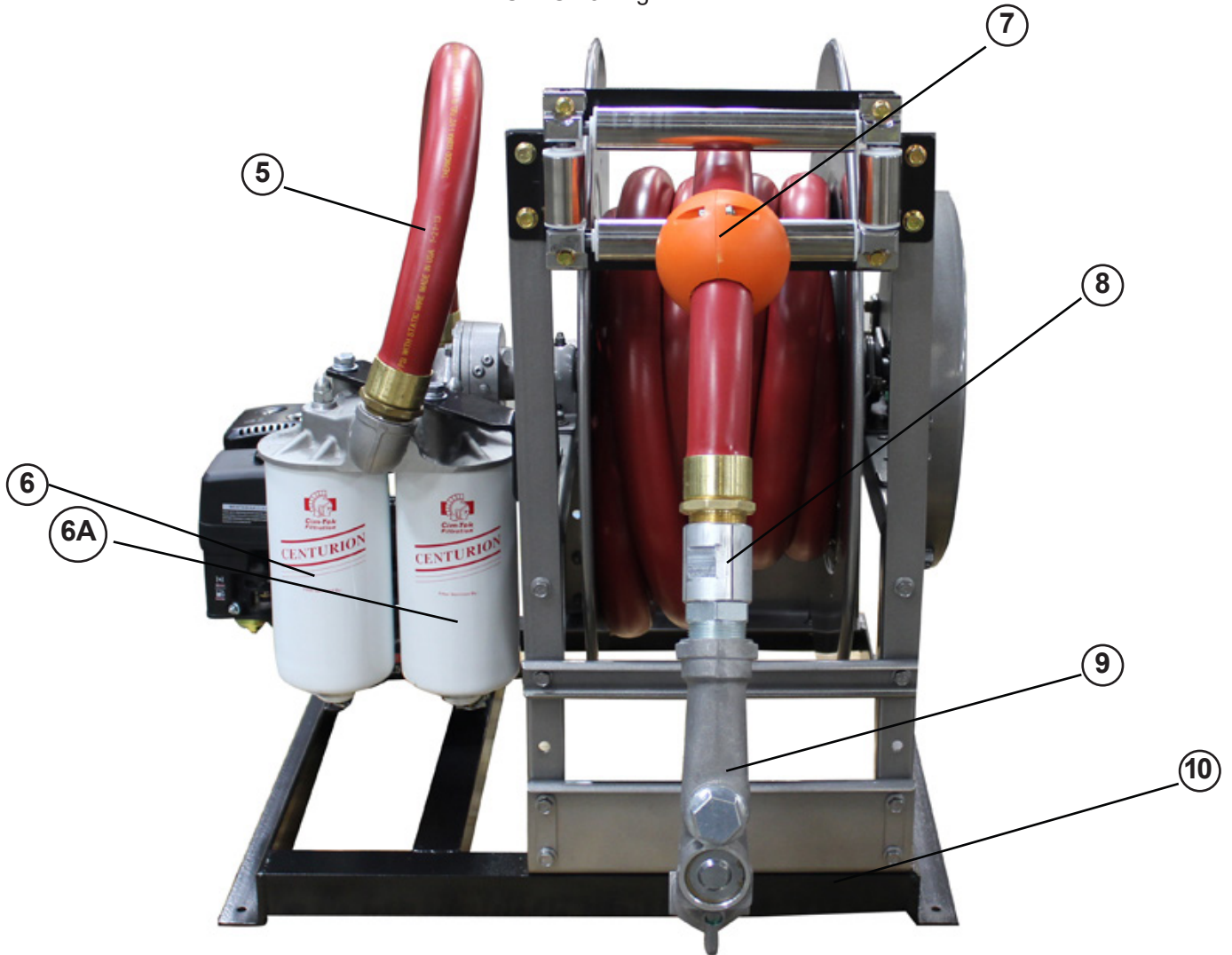
DUFPU1.5P Engine Drive



Item #	Dultmeier Part Number
1)	HN922-30-3115.5
2)	MX37053
3)	HK1690
4)	FNCRX208CC

Parts Breakdown:

DUFPU1.5 Engine Drive



Item #	Dultmeier Part Number
6)	CI3000
6A)	CIEHS30II *Inside Housing
7)	HNHS45
8)	HK5266
9)	HK1690
10)	DUFPU1.5BASE-EM



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**

Production Checklist

- | | | |
|-----------------------------|-----------------------------|--------------------------------------|
| ☐ OK | ☐ NA | Bolts Tight & Anti-Seized |
| ☐ OK | ☐ NA | Acorn Nut On Filter, Torque at 35lbs |
| ☐ OK | ☐ NA | Fittings Straight |
| ☐ OK | ☐ NA | Flow Direction on Filter Housing |
| ☐ OK | ☐ NA | Flow Direction on Meter |
| ☐ OK | ☐ NA | Hose Reel Spring is set |
| ☐ OK | ☐ NA | Filters Are Straight |
| ☐ OK | ☐ NA | Hoses are Clean |
| ☐ OK | ☐ NA | Unit Is Clean |
| ☐ OK | ☐ NA | Built By Sticker |

☐ OK	☐ NA	Tested
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☐ OK	☐ NA	Manufacturer Documents
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- | | | |
|-----------------------------|-----------------------------|-----------------------|
| ☐ OK | ☐ NA | Engine Manual |
| ☐ OK | ☐ NA | Electric Motor Manual |
| ☐ OK | ☐ NA | Filter Manual |
| ☐ OK | ☐ NA | Hose Reel Manual |
| ☐ OK | ☐ NA | Nozzle Manual |
| ☐ OK | ☐ NA | Swivel Manual |
| ☐ OK | ☐ NA | Meter Manual |

Additional Parts Shipped in Container

☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____
☐ OK	☐ NA	_____

Built By _____ Checked By _____

Customer Checklist

- | | | |
|-----------------------------|-----------------------------|--------------------------------------|
| ☐ OK | ☐ NA | Documents Included |
| ☐ 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 before operating.
1-888-677-5054