BucketManager

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1 Revision

1.1

Versions	Changes	Initials	Date
00	Initial document	BHE	19.11.2025
01	Few changes within operation	JSN	09.02.2026

2 General information

The BucketManager is intended for pumping grease from industrial buckets, sizes 18/25 kg 5/7 gallons, into grease-systems in e.g. wind turbine generator or other machinery requiring lubrication.

This unit is sold and manufactured by Danhydra A/S. The manual provides important information and must be read thoroughly and understood before operating the unit BucketManager to ensure safe and optimal use.

All instructions stated in this manual must be followed and the operator must be aware of the risks involved in operating this unit.

2.1 Copyright ©

2.2 Symbols

	Warning:	Electrical hazard to yourself or other people. Information to prevent danger.
	Warning:	Potential hazard to yourself or other people Information to prevent danger.
	Caution:	Potential hazard to the equipment. Information to prevent damage.
	Be aware:	Noteworthy information is to be observed.
	Info:	Information and/or tips.
	Foot protection required.	
	Hand protection required.	

	Eye protection required.
	Ear protection required.
	Head protection required.
	Respiratory protection required.
	Face mask required.
	Read and understand.

2.3 Organizational measures

The protective equipment necessary for personnel working with the unit, must be provided by the unit owner.

It is the owner's responsibility to ensure the availability and presence of all the statutory and official authorizations for operating the unit according to the national laws and regulations

2.4 Unit identification

The unit is defined as machines and is therefore provided with CE marking plate with CE symbol, type, and serial number of the unit. Refer to pictures below.
For location of the CE marking see pictures below.
The unit is furthermore delivered with a declaration of conformity signed by the manufacturer proofing that it is designed in accordance with the machine directive 2006/42/EF.

2.5 Manufacturer

Danhydra A/S
Lollandsvej 2
7400 Herning
Denmark
Phone: +45 70 22 42 32
Website: http://www.danhydra.com

3 Safety

3.1 General

The item may not under any circumstances be used for any other operating situations or connected to any other tools than what it is designed for and is specified in this manual.

3.2 Required safety equipment.

Always use the necessary personal safety equipment when working with chemicals, electrical tools, and pneumatic tools. Always check the safety data sheets prior to commencement of work. Always keep the work area clean from swarf and dirt etc. Please protect the environment and comply with all local laws and regulations.

When working with the lubrication equipment it is required that the operator and people nearby are wearing safety glasses to protect their eyes from possible high-pressure grease leaks. Do not expose your skin to the grease, as skin contact may cause eczema.

3.3 Work procedures

Before work begins it should be ensured that:

Inspection of parts is performed to ensure that there are no defective parts, that the power cable is not damaged or that the grease outlet coupling is not damaged.

3.4 Service

BucketManager should be serviced once every 12 months. Check the label for next service.
BucketManager should be DGUV tested every 12 months. Check the label for next service.

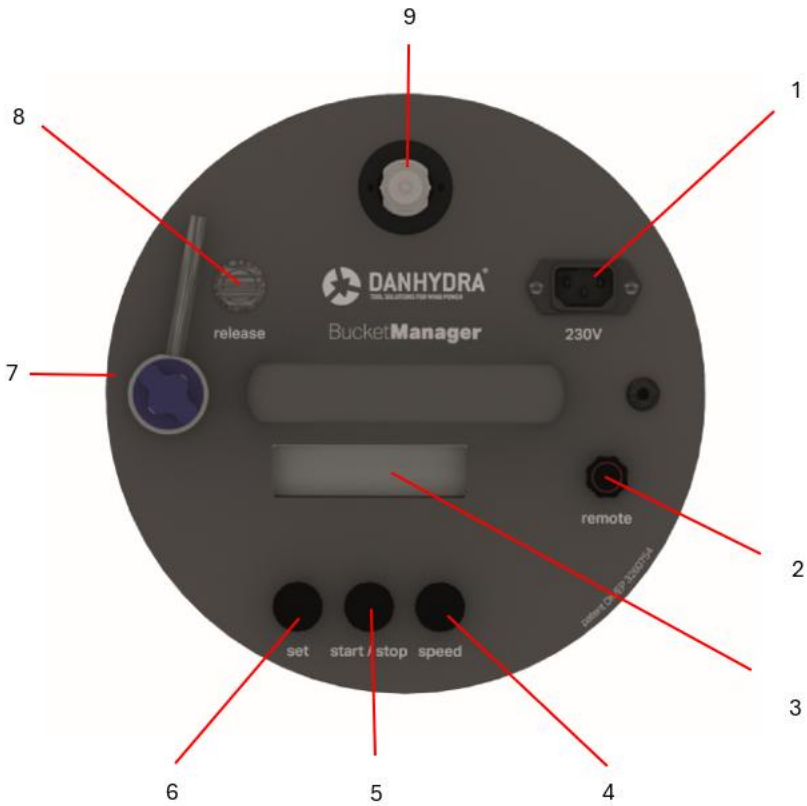
BucketManager can be send to service on the following locations:

Danhydra Lollandsvej 2 DK-7400 Herning Denmark T: +45 7022 4232 E: sales.apac@danhydra.com	Danhydra GmbH Zum Storchennest 3 DE-04668 Grimma OT Mutzschen Germany T: +49 34385 680040 E: info@danhydra.com	Danhydra Inc. 5100 Boyd Lake Ave. CO 80538 Loveland USA T: +1 (720) 663-0673 E: sales.us@danhydra.com

4 Item identification

4.1 Data Specification and overview

1	Power connection
2	Remote control connection
3	Controlling display
4	Set (preset of ml/g, setpoint 10 ml/g – 100.000 ml/g)
5	Start/stop
6	Speed (setpoint 10%-100%)
7	Air-escape / bleeder valve
8	Release (retrieve BucketManager from bucket)
9	Outlet male coupling



4.2 Technical specification

High Pressure model	Max 250 Bar, up to 1.000 ml/min
High Flow model	Max 150 Bar, up to 1.600 ml/min
Temperature range	-20°C to +50°C
Dimensions in lifting bag	Diameter: Ø360 / height: 860 mm
Operational ready Weight	14 kg
Unit weight only:	12 kg
Voltage:	230V 50Hz
	110V, 60Hz
Plug types available:	Schuko 230V, 10A
	U.S. NEMA 5-15P, 110V, 10A
Outlet connection:	Quick connector ISO7241-1-B
	- ISO B to ISO A converter included in set.

5 Operating guide

5.1 Controller functions

Auto mode
1. Press the "set" button (6) to switch between Auto (Preset) and Manual mode.
If automatic (preset) mode is enabled, turn "set"- button (6) to adjust volume to be pumped.
2. Press and hold "start/stop" button (5) for 10 sec. to switch between ml/gr.
3. Press "start/stop" (5) to begin pumping.
4. Turn "speed" button (4) during operation to increase or decrease flow
5. The display (3) will show the desired volume and progress if in automatic mode
6. In automatic mode, the BucketManager will stop by itself, when chosen volume has been pumped.

Manual mode
1. Press the "set" button (6) to switch between Auto (Preset) and Manual mode.
2. Press and hold "start/stop" button (5) for 10 sec. to switch between ml/gr.
3. Press "start/stop" (5) to begin pumping.
4. Turn "speed" button (6) during operation to increase or decrease flow.
5. The display (7) will show the progress of volume.
6. In manual mode the BucketManager will run until it is stopped by pressing "start/stop" (5).

Auto/Manual

Preset

Speed setting

5.2 Unpacking of unit

- Open grease bucket. Ensure that the grease has not been contaminated with debris etc. Ensure that bucket sides are clean. Avoid buckets with large dents and sharp edges, as this could compromise the tightness of the adaptive sealing plate, and/or cause air under the adaptive sealing plate and thereby the unit to be filled with air and stop pumping.

- Open lift-bag and take out the unit.

- CHECK that the adaptive sealing plate is fit for the bucket in use. Measure inner-diameter of bucket at the rim. The BucketManager comes standard with Ø260-280 mm adaptive sealing plate. If it is not a match, please follow the overview below for accessories if needed.

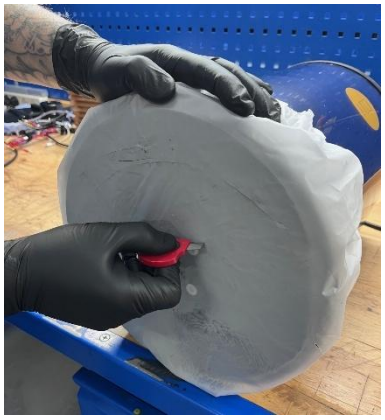
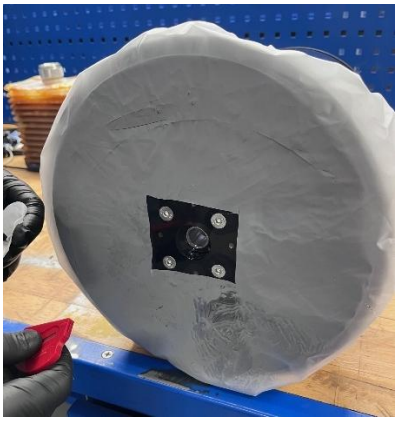
5.2.1 Adaptive Sealing Plate

Adaptive sealing plate compatible with the industry standard of buckets in plastic or stell.

351907	Adaptive Sealing Plate Ø255-265mm (fit for 5 gallons/18 kg buckets, smaller inner-diameter)
351722	Adaptive Sealing Plate Ø260-280mm (fit for 5 gallons/18 kg buckets, 95% of the market)
351957	Adaptive Sealing Plate Ø250-265mm (fit for 5 gallons/18 kg buckets, larger inner-diameter)
351958	Adaptive Sealing Plate Ø295-320mm (fit for 7 gallons/25 kg buckets)
351990	Adaptive Sealing Plate Ø309-340mm (fit for 7 gallons/25 kg buckets)

- Remove the cover-cap (white plastic) from the bottom plate of the unit. Mount a new and clean cover-cap (white plastic) over the follower plate and cut a 20x20mm cross-section with the mini knife or clip a Ø20mm hole just over the inlet-/suction hole of the adaptive sealing plate. Do not place unit on floor after installing the cover cap, as this could contaminate the unit and grease. The unit should be placed directly into the bucket.



- Place the unit in the bucket on top of the grease. Tilt the unit slightly to let air escape from under the follower plate (new or 75% full bucket), let the unit sink until sitting on top of the grease.

- When the unit then is sitting on top of the grease, swing the air-escape valve over the rim of the unit and open the valve (counterclockwise 6-7 turns). Hold paper or alike under the outlet and start the unit. Let it run until air is escaped and grease flows as expected. Stop unit, close valve, swing the air-escape valve back in over the rim of the unit.

If air-escape continues unsuccessfully, use the step below:

- If continuing with a bucket that is less than 75% full, tilt the bucket as much as possible to allow air to escape from beneath the follower plate, or use the air-vent hose (½ mtr air hose included in set) by putting the hose close to the inside of the bucket when lowering the unit into the bucket. Make sure the air-vent hose stays under the follower plate (close to the bucket inside) when staring the unit for air-escape.

5.3 Flushing of unit

Before unit can be connected to the lubrication points, it needs to be purged, to avoid air entering the system.

- Install the flushing nozzle, set the speed to 25%. Hold paper or alike under the flush nozzle and press start. The unit will escape the small portion of air left under the follower plate in some 10-20 seconds and start pumping grease. When grease appears without bubbles in a steady flow, stop the unit.

Note: If the unit is not flushing properly, it can be necessary to push it down, for it to get contact with the grease and make a tight seal.

- Turn off unit.
- Remove coupling for flushing.

When switching to a different type of grease, the system needs to be flushed as well. Clean the old grease from the unit and follow the above steps. Unit is ready when the old grease has been fully purged from the unit.

5.4 Filling

- Connect hose to outlet of unit and to grease filling adaptor. **CHECK** adaptability of fittings from hose to filling point. Unit is now ready.

- Start unit and adjust speed as needed.

- Pause filling. If filling needs to be paused before reaching set-point, press start/stop.
  - To continue, press Resume and the filling resumes from currently reached volume/weight and continues to set-point.
  - To terminate filling, press Stop again.

- If empty bucket before set-point achieved, display will show “No flow detected” / “Stop” / “Resume”.
  - Change bucket and press “Resume”. The filling will continue from current volume/weight already applied and run to set-point is achieved.

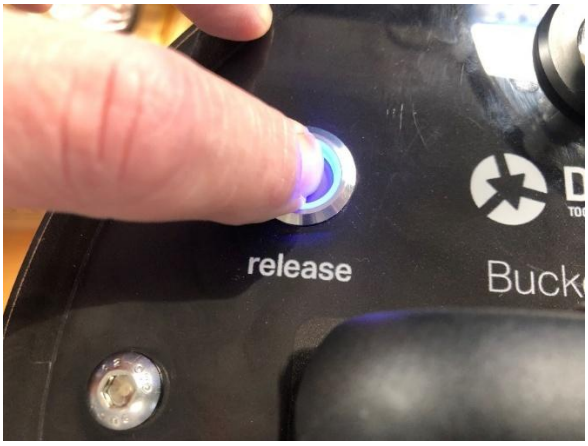
- After filling, turn off unit on “Start/Stop”

- Remove hose. Make sure to install dust-plugs in each hose end female quick coupling.

5.5 Extracting unit from bucket

After use, the unit is usually seated firmly in the bucket. Extract it as described below.

- Press the "Release" button and let run for app. 30 sec. or as long as needed to extract the unit. Make sure to support the unit when raising higher and prevent it from tipping over the rim of the bucket. NOTE: when pushing "Release" will deactivate the unit.
- Pull unit from bucket and turn off "Release"
- Remove excess grease from the bottom plate of the unit. Remove and scrap the cover cap and put on a new and clean cover cap before putting the unit back into transport solution.
- If bucket holds surplus grease, make sure to close with lid as soon as possible, preventing dust and dirt and debris from entering the grease and risking contamination of the grease.



5.6 Remote

The unit can be controlled using the remote control.

- Unpack remote cable.
- Plug the cable into the "remote" plug of the unit.
- Preset of grease filling can only be set on the BucketManager. The remote can only start and stop the unit.

6 Accessories & Consumables

Hydraulic hoses

351563	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-A, 3M
351543	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-A, 4M
351571	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-A, 5M
350816	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-A, 10M
351565	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-B, 3M
350698	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-B, 4M
350983	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-B, 5M
350947	Hose 3/8" 330Bar w. 1/4" couplings female/female ISO 7241-1-B, 10M
351590	Hose 3/8" 330Bar w. 1/4" couplings ISO 7241 female 1B/female 1A, 3M
351308	Hose 3/8" 225Bar w. 1/4" couplings female/female ISO 7241-1-B, 5M

Adaptive Seling Plates

351907	Adaptive sealing plate Ø255mm-Ø265mm (18 kg / 5 gallons)
351722	Adaptive sealing plate Ø260mm-Ø280mm (18 kg / 5 gallons)
351957	Adaptive sealing plate Ø275mm-Ø300mm (18 kg / 5 gallons)
351958	Adaptive sealing plate Ø295mm-Ø320mm (25 kg / 7 gallons)
351990	Adaptive sealing plate Ø309mm-Ø340mm (25 kg / 7 gallons)

Fittings & Adaptors

300003	ISO-converter coupling female 1/4" ISO 7241-1-B / 1/4" male ISO 7241-1-A
300004	Greasehead DIN 3404 pull-connector w. 1/4" male coupling ISO 7241-1-A
300005	HZ mouthpiece 4 claw w. 1/4" male coupling ISO 7241-1-A
351561	4 claw grease coupler to Zerk fittings 1/4" male coupling ISO7241-1A
351167	5/8" Button Head Model Flat Nipple Adapter
351168	Alemite Button Head Model Flat Nipple Adapter
351066	Coupling for flushing HNV ISO-B
351032	M26 Grease Filling Adapter, 1/4" male coupling ISO 7241-1-A
351787	M26 Grease Filling Adapter - 1/4" male coupling ISO7241-1B
351389	Adapter female ISO 7241-1-A to male ISO 7241-1-B
351666	Grease Adapter 4 claw nipple, 1/4 ISO-B Male
351667	Grease Adapter Din 3404 pull connector, 1/4 ISO-B Male
351668	Grease adapter 6mm tube 1/4 ISO-B Male
352002	Main Bearing Adapter ISO A
352003	Main Bearing Adapter ISO B
352010	Blade bearing Adapter ISO A
352011	Blade bearing Adapter ISO B

Cover Caps - consumable

351986	Cover cap for BucketManager, plastic, 20 pcs

Make sure to always have cover-caps to lower risk of contamination of grease, preventing dust, dirt, debris or unintended fluids like water to enter filling points.

7 Troubleshooting

Issue	Fix
Unit does not start	Ensure power cord is correctly in place and check if the display is lit. When powering up, the display will boot for a few seconds:  
Unit is not pumping grease	Resume sections 5.2 and 5.3. ○ Check that adaptive sealing plate fits bucket. ○ Check bucket for dents or damages that can prevent the adaptive sealing plate from sealing adequate. ○ Make sure to escape any air entrapped under the adaptive sealing plate.
Unit stops pumping grease	Air-entrapment can occur in buckets from suppliers. Please resume sections 5.2 and 5.3 ○ Check that adaptive sealing plate fits bucket. ○ Check bucket for dents or damages that can prevent the adaptive sealing plate from sealing adequate. Make sure to escape any air entrapped under the adaptive sealing plate.
Unit is not pumping grease	Check adaptor fit. To determine what causes the issue, check down-stream. ○ Disconnect hose and connect flush-nozzle. If this is ok, check hose. ○ Reconnect hose and unscrew the female quick coupling at the hose end or plug a male coupling into the female coupling (open flow over male). If this is ok, check filling point. ○ There is a wide variation of filling adaptors, so make sure that female and male parts are of same brand and/or standard/norm. Danhydra holds fittings and adaptors that can replace the existing ones. Visit Danhydra.com

8 Declaration of Conformity

DANHYDRA
TOOL SOLUTIONS FOR WIND POWER

EC-DECLARATION OF CONFORMITY

Manufacturer:	Danhydra A/S	
Address:	Lollandsvej 2 DK-7400 Denmark	
Contact information:	Phone: Email: WWW:	+45 70 22 42 32 info@danhydra.com www.danhydra.com

The manufacturer hereby declares that the product:

Brand:	Danhydra
Type:	BucketManager
Serial number:	DHDK00001 – DHDK010000

is in conformity with the provisions of the following EC directive(s):

- Machinery Directive 2006/42/EC, In accordance with Annex I, section 1.5.1 of 2006/42/EC, the equipment also meets the relevant safety objectives of Directive 2014/35/EU (LVD) Annex I.
- EMC Directive 2014/30/EU
- PE Directive 2014/68/EU

The following standards or parts thereof are used:

• EN ISO 12100:2011	Safety of machinery - General principles for design - Risk assessment and risk reduction
• EN 61000-6-4: 2007+A1:2011	Product family standard industry
• EN 61000-3-2:2014	Limits for harmonic current emissions
• EN 61000-3-3:2013	Limitation of voltage changes, voltage fluctuations and flicker

Date: 14.11.25 Place: Herning

Signature:

Bo Rohde Jensen, Director Engineering