

BucketManager

DH351775 High Flow

DH351776 High Pressure



Contents

1	REVISION	3
1.1	3
2	GENERAL INFORMATION	4
2.1	Copyright ©.....	4
2.2	Symbols.....	4
2.3	Organizational measures.....	5
2.4	Unit identification.....	5
2.5	Manufacturer.....	6
3	SAFETY	6
3.1	General	6
3.2	Required safety equipment.	6
3.3	Work procedures	6
3.4	Service.....	7
4	ITEM IDENTIFICATION	8
4.1	Data Specification and overview.....	8
4.2	Technical specification.....	9
5	OPERATING GUIDE	9
5.1	Unpacking of unit.....	9
5.2	Flushing of pump	11
5.3	Filling.....	11
5.4	Extracting pump from bucket.....	12
5.5	Remote	12
6	ACCESSORIES	13
7	TROUBLESHOOTING.....	14

1 Revision

1.1

Versions	Changes	Initials	Date
00	Initial document	JSN	16-01-2025

2 General information

This User manual is related to the tool BucketManager, sold and manufactured by Danhydra A/S. The manual provides important information and must be read thoroughly and understood before operating 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 tool.

2.1 Copyright ©

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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.



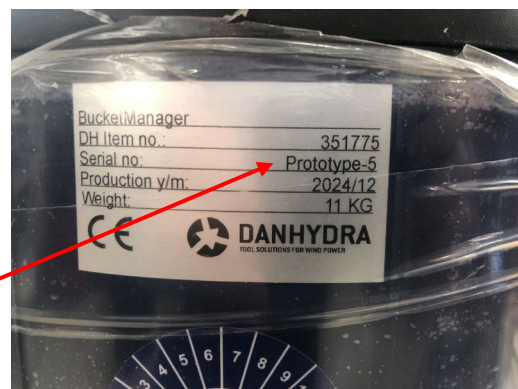
It is the owner's responsibility to ensure the availability and presence of all the statutory and official authorizations for operating the unit according to the national laws and regulations

2.4 Unit identification

The tool is defined as machines and is therefore provided with CE marking plate with CE symbol, type, and serial number of the tool. 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 hydraulic equipment it is required that the operator and people nearby are wearing safety glasses to protect their eyes from possible high-pressure oil leaks. Do not expose your skin to the oil, 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, electrical power cable, hydraulic outlet male coupling-part

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	Creator: JSN	Approver:	Status: Draft
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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.

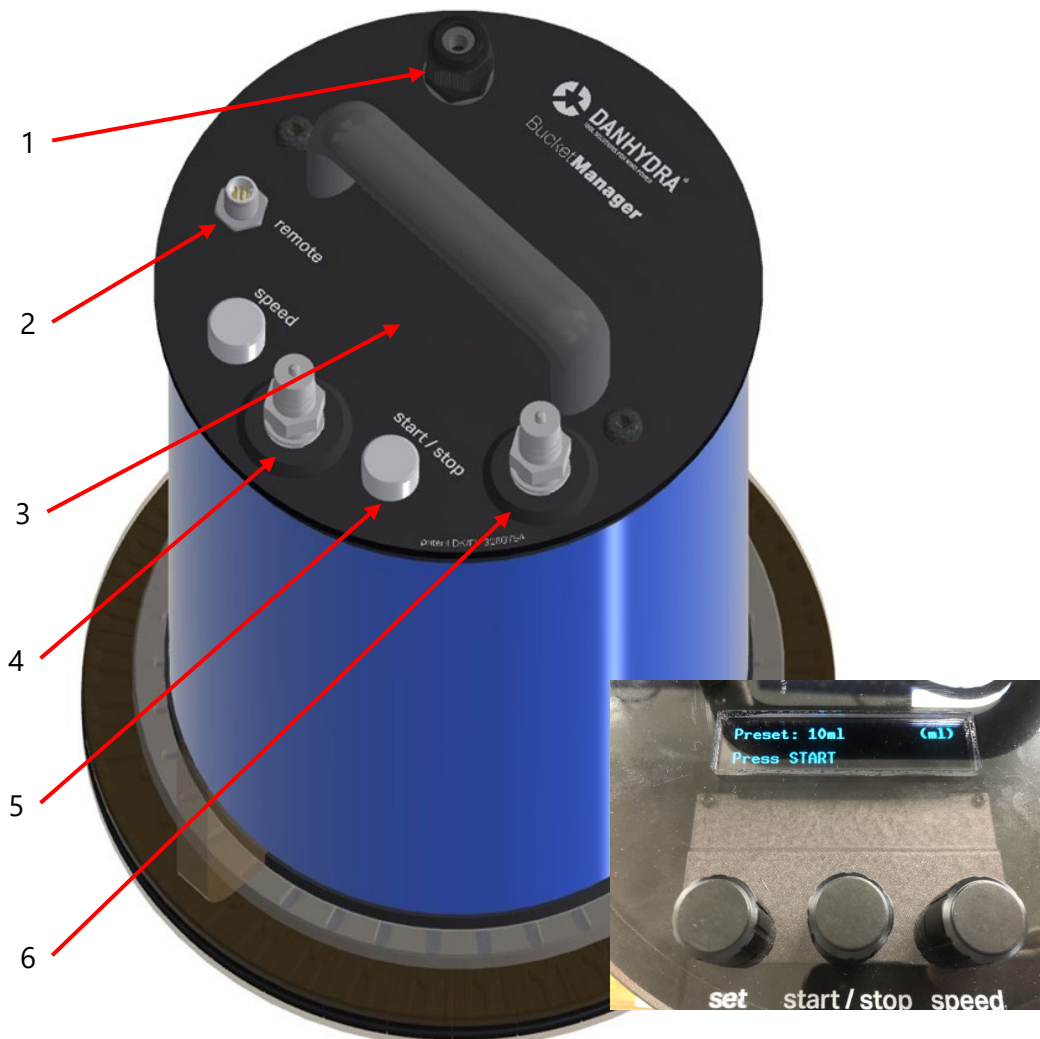
BucketManager can be send to service on the following locations:

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
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4 Item identification

4.1 Data Specification and overview

1	Power connection
2	Remote connection
3	Controlling display
4	Set (preset of ml/g, setpoint 10 ml/g – 10.000 ml/g)
5	Start/stop
6	Speed (setpoint 10%-100%)
7	Release (retrieve BucketManager from bucket)
8	Outlet male coupling



4.2 Technical specification

Max pressure	Max 250 Bar, up to 600 ml/min
Max flow	Max 150 Bar, up to 1.000 ml/min
Temperature range	-20°C to +50°C
Dimensions in transport case	Tjek lige m Jims
Weight	Tjek lige m Jims
In transport case:	Tjek lige m Jims
Pump only:	8 kg
Voltage:	230V 50Hz
	110V, 60Hz
Plug types available:	Schuko 250V, 16A
	US type F110V, 15A
	CEE230, 16A
	CEE110V, 16A
Outlet connection (Order specific):	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 (4) to switch between Auto (Preset) and Manual mode.
If automatic (preset) mode is enabled, turn "set"- button (4) 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 (6) during operation to increase or decrease flow
5. The display (7) 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 (4) 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

5.2 Unpacking of unit

- Open grease bucket. Ensure that 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 seal and/or cause air under the follower plate and thereby the pump to be filled with air and stop pumping.
- Open transport case and take out pump.
- Remove the transport cover (black silicone) from the bottom plate of the pump. Mount a protection cover (white plastic) over the follower plate and **cut a 20x20 mm cross-section** with the mini knife or clip a $\varnothing 20$ mm hole just over the inlet-/suction hole of the follower plate. Do not place pump on floor after installing the cover cap, as this could contaminate the pump and grease. The pump should be placed directly into the bucket.



- Place the pump on in the bucket on top of the grease. Tilt the pump slightly the let air escape from under the follower plate (new or 75% full bucket)
- If continuing on a <75% full bucket, make sure to tilt as much as possible to let air escaped from under follower plate or use the air-vent hose (1/2 mtr air hose) by putting the hose close to the inside of the bucket when lowering the pump into the bucket. Make sure the air-vent hose stays under the follower plate (close to the bucket inside) when staring the pump for air-escape.

	Doc. No.: UM351775-351776		User Manual
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	Date: 16-01-2025		Rev.: 00

5.3 Flushing of pump

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

- Install the flushing nozzle, set the speed to 25%. Hold a rag or collector bag under the flush nozzle and press start. The pump 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 pump.
- If the pump trips on "no flow" try again or set the "no-flow" timer to eg 30 secs (preset to 20 secs). This is done by holding "set" button for 20 second and the sub-function (timer) shows. Enter step-wise onto "timer" setting and adjust to 30 secs or the wished setpoint for flushing no-flow timer.



Note: If the pump 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 pump.
- 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

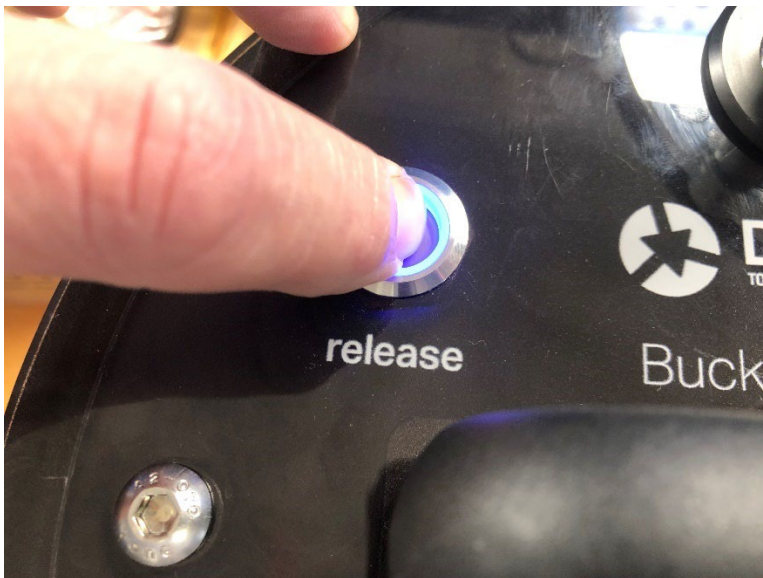
- Connect hose to outlet of pump and to grease nipple. Unit is now ready.
- Start pump and adjust speed as needed.
- After filling, turn off pump.
- Remove hose.

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5.5 Extracting pump from bucket

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

- Turn on air pump (power knob to the left).
Let run for app. 30 sec. or as long as needed to loosen the unit.
- Pull pump from bucket and turn off air pump (power knob in centre position).
- Remove excess grease from the bottom plate of the pump. Remove the cover cap and place in the transport cover or put on a new cover cap before putting the pump back into transport solution.



5.6 Remote

The unit can be controlled using a tethered remote (see accessories in chapter 6).

- Unpack remote cable.
- Plug one end of the cable into the "remote" plug of the pump.
- Plug the other end into the remote unit.

Use "Set" to shift between the 2 programs.	
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6 Accessories

351066:
Coupling for flushing HNV ISO-B



412727:
Quick coupling 1/4" male, ISO 7241-1-B
≈Ø14,3, Height: ≈35,7mm




351067:
Coupling for flushing ANV ISO-A



110202:
Quick coupling 1/4" male, ISO 7241-1-A
≈Ø11,8, Height: ≈39mm



Hose variants (finder jeg)
Remote for BucketManager
Cover Caps
Transport Caps

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7 Troubleshooting
