



DANHYDRA

TOOL SOLUTIONS FOR WIND POWER

OPERATING MANUAL

Portable filling Unit Model KIS - PFU-KIS



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PRODUCT DESCRIPTION

Designed with the mantra “Keep It Simple” The Portable Filling Unit KIS is a versatile lubrication tool developed and engineered to refill central lubrication systems and bearings.

The output flow is determined by model (1-4). The PFU-KIS can be used in many industries as a lubrication tool for mainly grease and oil applications, but other viscous fluids can also be pumped.

The weight of only 10 Kg makes it easy to carry the PFU-KIS around.



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ACCESSORIES

GREASE CARTRIDGE HOLDER

Even though our grease cartridges are made in a shape that enables them to stand by themselves, Danhydra recognize that not all cartridges in the market hold this feature.



For this reason, Danhydra has created a universal cartridge holder which can hold and support all cartridges currently available on the market.

FLOW DIVIDERS

Our Danhydra Flow Dividers is small and light weight compared to other systems on the market. It is used to service multiple lubrications points at the same time.

The Flow Divider is progressive which means that all outlets give the exact same amount and if an outlet is blocked, the whole system stops. This way you know that all lubrication points are being serviced.

The Flow Dividers come with or without hoses tailored to customer specifications.

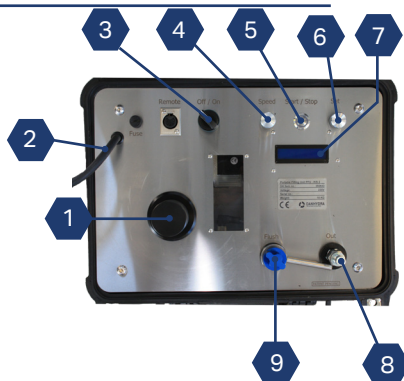


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DATA SPECIFICATION AND OVERVIEW

1. Inlet connection for cartridge
2. Power supply
3. On / Off
4. Adjustment of flow volume
5. Start/stop
6. SET
7. Display
8. Outlet valve
9. Flush Valve



TECHNICAL SPECIFICATIONS MODEL 1-4

Max pressure	Model 1: 50 bar	Max Flow	Model 1: 3000 ml/min
	Model 2: 100 bar		Model 2: 2000 ml/min
	Model 3: 150 bar		Model 3: 1200 ml/min
	Model 4: 250 bar		Model 4: 350 ml/min
Temperature Range: Min. -20°C Max. +70°C			
Dimensions: 410 mm x 320 mm x 170 mm		Weight: 10 kg	
Voltage: 110V or 230V			
Outlet connection:		Quick connection ISO 7241-1-B	

Note:

All data are averaged results of tests performed at Danhydra A/S in Denmark. Reasonable variations in data can occur.
Please consult your Danhydra consultant for other application purposes than grease/oil.

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OPERATING GUIDE

Remove the dust cap (1), then fit the adapter on cartridge and place it over the Inlet (1).

Connect power chord to power supply (2). Turn On / Off Switch to ON (3). Switch between Manual or Automatic mode by pressing the SET button (6).

Before connecting a hose to the outlet (8) remember to open Flush valve (9) while pumping in manual mode to flush machine for old grease if needed.

If automatic mode is enabled, turn SET Button (6) up or down to enter desired volume to be pumped.

Press START button (5) to begin pumping. START button (5) will turn red when PFU KIS is pumping.

Turn the Flow Adjustment button (4) under operation to increase or decrease flow.

The Display (7) will show the desired volume and progress if in automatic mode.

In Automatic mode the PFU KIS will stop by itself when entered volume has been pumped.

NB!

If in manual mode the PFU KIS must be stopped by pressing STOP / START button (5).

The STOP / START button (5) will turn green when the PFU KIS is stopped.

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ACCESSORIES

Danhydra always strives to create the best possible service experience when using our products. Because of that, different accessories to enhance the effectiveness of service when lubricating, have been developed.

CARTRIDGES

Danhydra knows the importance of having an air free grease cartridge, that is easy to handle, when lubricating.

That is why the Danhydra cartridges are 200 mm diameter wide or squared which makes them more manageable and able to stand by themselves while mounted on the PFU.

When the cartridges are filled they rotate it at a 1000 rounds per minute to drive the air out. The result is an airless easy to handle grease cartridge which get's the job done without problems.

At Danhydra we can fill the cartridges with any type of grease, please contact us for an offer on grease cartridges.



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GENERAL SAFETY PRECAUTIONS

WARNING!

It's important to flush the PFU with the new grease type before use. If the hose to grease point has been used by another type of grease, make sure that it is also flushed.

WARNING!

Use relevant safety precautions when working with lubrication.



WARNING!

Do not use the Portable Filling Unit for other than the above described purposes.

When the PFU is connected to a power source it is important to never point the hose at humans or animals.

TRANSPORT!

When lifting the PFU always use the case handle originally mounted to the PFU.

Make sure to always use approved lifting equipment and take the relevant safety precautions.

WARNING!

This machine must be connectet to earth!



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GET IN TOUCH

At Danhydra we combine experience and ingenuity.

We are customizing and designing high-end products used in various industries.

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