

*Exactly what is needed*



# HOMBURG DRAINCLEANERS

**holland**



# EASY CLEANING OF DRAINPIPES

## REGULAR MAINTENANCE KEEPS YOUR SOIL IN TOP CONDITION

**Regular maintenance is essential for drainage to keep working in efficiently. Your drainage system can become blocked with ingrown roots, clay, sand and iron oxide.**

This results in higher groundwater levels and an increased risk of structural damage. Unfortunately, it can also cause the condition of your soil to deteriorate. Regular drain cleaning will keep your soil in top condition. And this in turn is reflected in the quality of your crops and your yield. Homburg draincleaners can mean the difference between a poor harvest and a satisfactory yield for you, so read on quickly.

*“Prevention is better than cure”*

Provide your land with drainage to ensure long-term improved water management. Good water management will guarantee lasting good structure of your soil and good yields, year after year.

### ADVANTAGES OF THE HOMBURG DRAINCLEANER

Of course, you are already familiar with the benefits of drainage in fields or in greenhouses. Your crops grow better and working conditions during the growing season are optimal. Homburg Holland has been manufacturing Homburg Draincleaners in Stiens (Friesland) since 1970.

### USER-FRIENDLY AND DURABLE

Homburg Draincleaners are user-friendly, reliable and extremely robust. Purchasing a Homburg Draincleaner is great value for money. The simple operation ensures that the user can work quickly, easily and efficiently. Homburg draws on years of practical experience to design and build its Draincleaners. With its importing rights for Hardi, Väderstad, Garford and Ag Leader and

its vision, Homburg Holland is engaged in a continuous development process as far as the Draincleaners are concerned. Agronomic knowledge forms the basis for the innovations and designs resulting in a suitable Draincleaner for each specific situation. Good water management, better soil life and sustainable machines are the starting points for Homburg Draincleaners.

### ECONOMICAL TO USE

All the machines are equipped with two manometers as standard; one for the water pressure and one for the hydraulic pressure. An increase in hydraulic pressure makes it easy for you to tell when drainage pipes are dirty. The pump capacity at each Homburg Draincleaner is 135 l/min at 540 rpm. When in use, a draincleaner requires a maximum water volume of 80 l/min. Homburg Draincleaner's pump system is designed in such a way that the pump works more efficiently at a lower speed and is therefore

more economical.

Homburg Draincleaners use a low pump pressure of 35 bar, resulting in 10 to 12 bar on the rinsing head, which ensures safe operation. The special HPE hose is pushed into the drain making it possible for the special nozzle cleans the pipe and ensures that the dirt is removed quickly. Previously, drainage systems were cleaned around 100 bar; this can cause a lot of damage to the soil structure or the drainage pipe. Because Homburg Draincleaners use low pressure these problems are prevented, and your drainage system will not get damaged easily.

In addition to the serial production of three standard models, Homburg Holland offers many custom-made drainage cleaners. Maybe you would like the arm on the left side or right side, a structure on a water trolley, a specific colour or any other specific needs? Come and discuss your requirements with one of our product specialists.





#### IN-HOUSE PRODUCTION

Homburg Draincleaners have been produced by Homburg Holland in their own factory for more than 50 years. This guarantees the quality of the Homburg Draincleaners in every respect.

#### TRAINING & WARRANTY

You will receive a clear user instruction guide with the delivery of your Homburg Draincleaner. Training in the field is also possible. Homburg Draincleaners come with a 1-year warranty as standard.

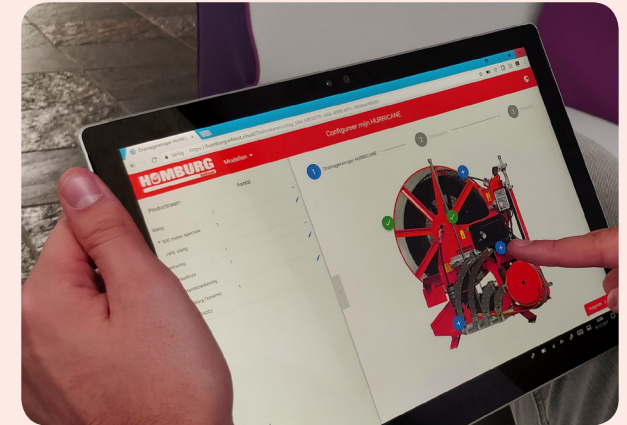
## FEATURES

The features of a Homburg Draincleaner

- ✓ Quality machine because it's made from top-quality materials
- ✓ Extremely strong HPE flushing hose for a longer life
- ✓ Homburg 2 or 4-wheel drive gives ultimate grip and greater resistance to wear
- ✓ Because of the low water pressure (only 10 to 12 bar) on the rinsing head a perfect cleaning result is achieved
- ✓ Use of a Homburg Draincleaner will not damage your drainage system
- ✓ Specific nozzles provide a technical solution for every type of soil and situation. The system cleans without adversely affecting the structure of the soil or the drain.
- ✓ The system cleans without adversely affecting the structure of the soil or the drain
- ✓ Compact construction and updated design
- ✓ With a choice of 3 models, there is a suitable draincleaner for everyone!

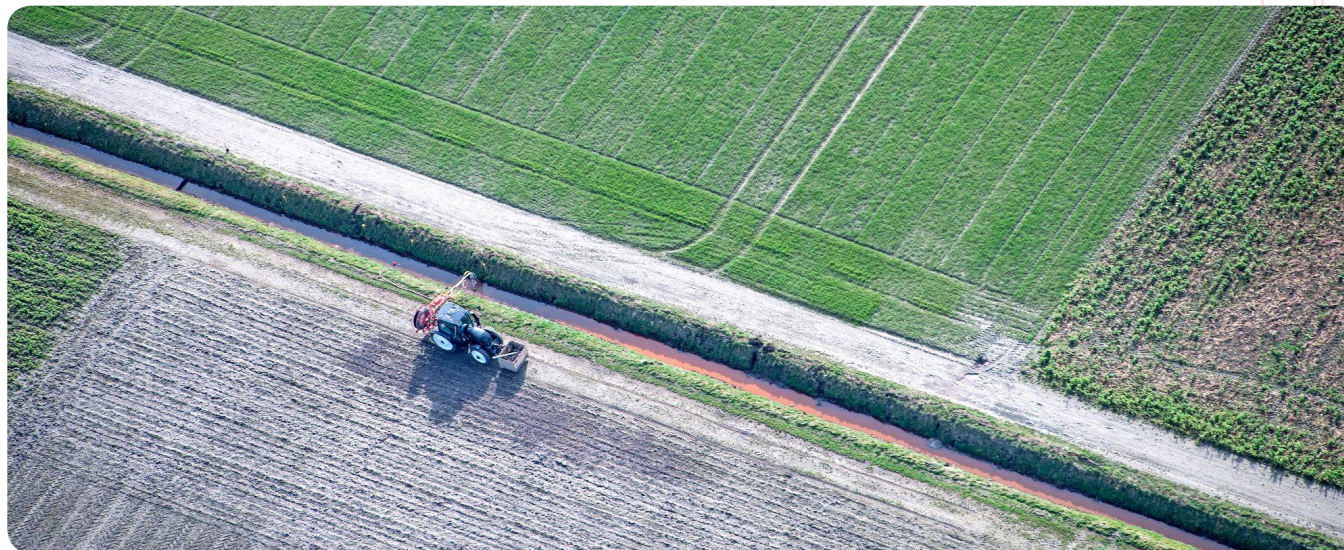
## PRODUCT CONFIGURATOR

*Do you want to put together your ideal Draincleaner yourself?*



The Homburg configurator enables you to make your basic choice from the JUNIOR, DELTA or HURRICANE. Then you can add various options and also indicate the number of metres of desired hose. Just a few clicks and you will receive a no-obligation quote. Take a look at our website, after which you can start your 'production'.

[www.homburg-holland.com/en/draincleaners](http://www.homburg-holland.com/en/draincleaners)



# HOMBURG DRAINCLEANER JUNIOR

A BASIC MACHINE FOR EVERY FARMER AND MARKET GARDENER!

*“Cleaning drains is rewarding work: you see immediate results.”*



The Homburg Draincleaner JUNIOR model is a solid entry-level model, developed as a basic machine. For every farmer and grower who wants to bring his soil into top condition and keep it that way, this is a very suitable machine.

#### KEEP YOUR SOIL IN TOP CONDITION WITH THE JUNIOR

Whether you want to carry out annual maintenance or want to experience the power of drain cleaning first, the JUNIOR is the right machine for you. Spare parts and additional accessories can always be ordered from Homburg Holland and via our webshop.

#### LOTS OR LITTLE RAIN?

Whether you experience a lot of rain or little rain, drainage of the fields is important to preserve your harvest. In fact, drainage is being used as irrigation in more and more countries: the water

level in the ditch is raised and the pipes are submerged. Plants then draw the water back up through the soil. There are also areas where rain is collected in basins for later irrigation.

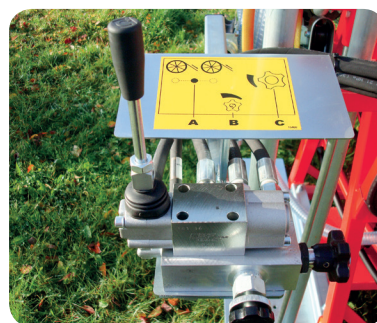
#### FEATURES OF THE JUNIOR

- ✓ Hydraulic roll-on/roll-off flushing hose using two hydraulic motors and a drive system
- ✓ Continuously adjustable speed control
- ✓ Height adjustment of the guide arm with curved roller conveyor using braked winch
- ✓ Manual length adjustment and horizontal adjustment function
- ✓ Can be supplied with a hose of up to 500 metres



#### WINCH OPERATION

Manual arm operation with a braked winch.



#### HYDRAULIC OPERATION

The machine comes standard with a hydraulic drive control system operated with a lever.



#### ELECTRIC REMOTE CONTROL

You have the option of equipping your machine with a wireless remote control or a remote control with a 10-metre cable.



#### CURVED ROLLERBEND

A galvanised curved conveyor guides the hose via synthetic rollers.

# HOMBURG DRAINCLEANER DELTA

MORE FUNCTIONS, MORE EASE OF USE OVER LONG DISTANCES!

*“From poor harvest to  
outstanding yields:  
You’ll be glad you made  
the investment!”*



The DELTA offers more ease of use as a draincleaner than the JUNIOR. This is the ideal machine for anyone who maintains drainage systems on a frequent basis and needs to cover a large area. This is because it offers hydraulically operated height adjustment, extension, retraction and folding of the drainage arm and length adjustment of the guide arm.

#### THE MOST WIDELY SOLD IN THE WORLD

The DELTA is Homburg Holland's best-selling draincleaner and fits perfectly between the JUNIOR basic model and the Professional HURRICANE. For those who would like to be able to maintain their drains efficiently and comfortably over a wide area, the DELTA is the perfect choice.

#### THE NEW DELTA!

The new DELTA has been completely revised and Homburg has been able to implement all the customer requirements of the past 50 years. The design has a basic modular set-up so that Homburg can respond even faster to various customer requirements. From now on our

draincleaners are therefore also painted Homburg red to indicate the new draincleaner line. If you want the arm left, right or straight to the back; with the modern, robust design all of this is possible. The drive system has also been improved so that the reel rolls up more tightly and the risk of slippage is eliminated. The operation of the DELTA has been simplified with all the hydraulics being able to be adjusted with just one knob. The operation of the DELTA has been simplified with all the hydraulics being able to be adjusted with just one knob. This has made the way it works much more accurate. Only the pump, hose and drive wheels of the machine are unchanged. This is because they are irreplaceable in terms of quality and durability. The Homburg DELTA; the most modern draincleaner in the world!

#### FEATURES OF THE DELTA

- ✓ Possibility 2 or 4-wheel drive
- ✓ Hose up to 500 metres
- ✓ Solid frame, machine weighs a total of 650 kg
- ✓ Guide arm can be folded out, retracted and adjusted for extra length hydraulically
- ✓ Hydraulically foldable guide arm, adjustable in length



#### WIRELESS OPERATION

There's nothing like convenience; no more cables getting snagged or turning out to be too short. For perfect control of your Homburg Draincleaner!



#### EXTENSION TO REACH OTHER SIDE

Using an extension is a great solution for flushing the drains at the other side of the ditch. This saves time and will prevent any unnecessary impact on the soil.



#### TRAFFICLIGHTS

Safety comes first. Homburg Draincleaners can be fitted with a lighting set comprising rear lights and reflector panels.



#### SWIVEL ARM

The swivel arm allows you to manoeuvre the Homburg Draincleaner into any position as required.

# HOMBURG DRAINCLEANER HURRICANE

THE ULTIMATE DRAINCLEANER FOR THE PROFESSIONAL!

*“Cleaned 220 km  
in just 260 hours  
and enjoyed it!”*





The Homburg Draincleaner HURRICANE is the ultimate draincleaner, combining all the technical features of the JUNIOR and DELTA and the experience of Homburg Holland as a draincleaner manufacturer. The machine of choice for the professional, for whom only the latest and the best is good enough.

#### THE ULTIMATE DRAINCLEANER

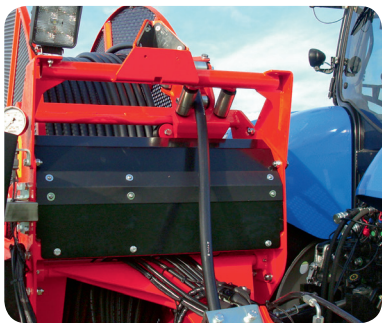
If draincleaning is your profession and efficiency is your profit, speed, convenience and a reliable machine are of great importance. The HURRICANE with its heavy-duty frame has a fully hydraulic, remote controlled arm that allows you to manoeuvre the curved roller conveyor effortlessly and smoothly in front of the drainage opening. Wherever you are, arm height adjustment, extension and retraction, arm swivelling, rolling out the hose; all this is done quickly, accurately and with ease via your remote control.

Depending on the chosen options, the machine will then manage itself. The wide reel will automatically feed out up to 750 metres of

hose, and when the machine encounters an obstacle in the drainpipe, it will stop automatically, retract the hose and try again a number of times. This eliminates hose slippage, and when the desired hose length is reached, the machine rewinds the hose itself. The automatic hose guide ensures that the hose is neatly rolled onto the reel and the machine stops when it is finished. In the meantime, you can tend to other things. For example, tracing and clearing the next drain. This way no time is wasted. Drainage cleaning cannot be more efficient.

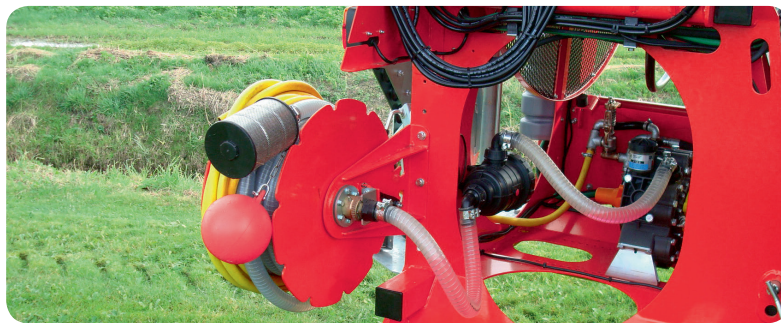
#### FEATURES OF THE HURRICANE

- ✔ Even stronger/heavier in terms of quality
- ✔ Functional technical design
- ✔ Very solid frame
- ✔ Detailed finishes
- ✔ Can be supplied with a hose of up to 750 metres



#### HOMBURG HOSE GUIDE

Homburg HURRICANE Draincleaners are fitted with a Homburg Hose Guide; an automatic hose guide system.



#### HOMBURG REEL

The Homburg Reel makes it easy to roll the suction hose back onto the reel.



#### HOMBURG TOOLBOX

The Homburg Toolbox gives you ample storage for tools etc. on your HURRICANE Draincleaner.



#### HOMBURG DYNAMIC DRIVE

Thanks to Homburg Dynamic Drive, users are assured of optimal ease of operation. Operation is also possible from the cabin.

# HOMBURG DYNAMIC DRIVE

Homburg Holland has developed a fully automated drive system that enables users to achieve optimal drain cleaning results. This is the Homburg Dynamic Drive.

## FEATURES OF THE HOMBURG DYNAMIC DRIVE:

- Obstacle safeguard: If the system detects an obstacle, the machine will stop feeding in the hose. After this the system will go through a programmed procedure for removing the obstacle
- Traction Control: As soon as the system detects hose slippage it will respond by stopping, thus eliminating unnecessary wear and tear.
- Distance Control: You can select the distance you want the hose to enter the pipe and once this has been reached, the Homburg HPE hose is wound back onto the machine
- Auto Stop: Once the desired procedure is finished, the machine will automatically stop and the water pressure on the Homburg HPE hose will be switched off



# TECHNICAL SPECIFICATIONS

SPECIFICATIONS SHOWN IN THE TABLE BELOW

	JUNIOR (basic machine)	DELTA (for large areas)	HURRICANE (for the professional)
<b>Attachment</b>	All models: three-point - Cat. 2 hitch		
<b>Hydraulic system</b>	2 hydraulic motors, 1 steering valve, 1 control valve, 1 pressure-compensated control valve	2 hydraulic motors, 2 cylinders, 3-way manifold valve with integrated pressure compensator	3 hydraulic motors, 4 cylinders, 5-way manifold valve with integrated pressure compensator
<b>Tractor hydraulics</b>	All models: single-acting steering valve with pressureless return or double-acting steering valve		
<b>Oil required</b>	10 litres/min	12 litres/min	15 litres/min
<b>Cleaning hose</b>	All models: 300 m HPE hose / diameter 27 mm x 3.5 mm		
<b>Suction hose</b>	All models: 10 m 1 1/4 " hose with steel inlay with filter and floater		
<b>Return hose</b>	All models: 10 m 1 1/4 " hose		
<b>Nozzle</b>	All models: 12 + 1 openings of 2 mm		
<b>Meter counter</b>	mechanical meter counter	mechanical meter counter	electronic meter counter
<b>Drive</b>	hydraulic motor with 2 driving wheels and 2 pressure wheels	hydraulic motor with 2 driving wheels and 2 pressure wheels	hydraulic motor with 2 driving wheels and 2 driven pressure wheels
<b>Pump</b>	All models: 135 l/min at 50 bar		
<b>Speed regulator</b>	All models: continuously variable		
<b>Working speed</b>	All models: max 30 m/min		
<b>Hose guide</b>	manual height adjustment with safety winch	hydraulic height and length adjustment,	automatic hose guide, hydr. height and length adjustment, hydr. horizontal adjustment
<b>Weight empty</b>	circa 415 kg	circa 650 kg	circa 995 kg
<b>Filled with water</b>	circa 515 kg	circa 750 kg	circa 1095 kg
<b>Dimensions</b>	l: 1,10 x w: 1,80 x h: 2,25 m	l: 1,35 x w: 2,20 x h: 2,25 m	l: 1,40 x w: 2,25 x h: 2,25 m

# ACCESSOIRES

Homburg Draincleaners can be used for multiple purposes. For example, Public Works contractors, use Homburg Draincleaners to detect and remove blockages in sewer systems. For that reason, Homburg carries all the accessories, such as a pit set, in stock for speedy delivery. Homburg Draincleaners can also be used for flushing sewer pipes.

**O = OPTIONAL**  
**S = STANDARD**  
**X = NOT AVAILABLE**

Check the table for all the options.

	JUNIOR	DELTA	HURRICANE
Remote control	O	O	S
Swivel arm	X	O	S
4-wheel drive	X	O	S
HDD	X	O	O
Electric water valve	O	O	O
Traffic lights	O	O	O
Toolbox	O	O	O
Suction filter	O	O	O
On board oil supply	O	O	O
Hydr. pump drive	O	O	O
Pit set	O	O	O
Dirty water pump	O	O	O



## SHAFTLEADING SET

Homburg Draincleaners can be fitted with a pit set. Different sets are available for small to large pits. Our smallest pit set is suitable for pits with a diameter of 30-60 cm. The next option is 40-60 cm and the largest set can be used in pits with a diameter of 70 cm and larger.



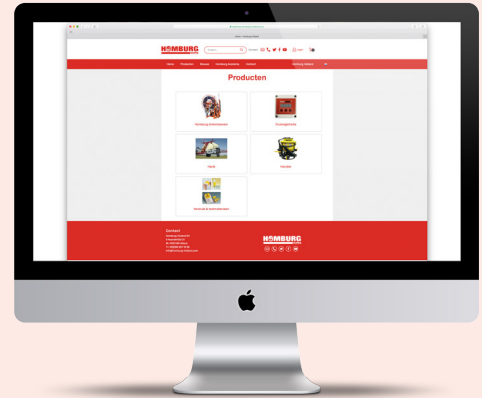
## NOZZLES

Homburg Holland has three basic nozzles in its range. We have the right nozzle available for every situation. All nozzles supply the same amount of water, but the pressure can vary due to the number of spray holes.



## DETECTION

Homburg Holland has two types of detection sets. One set works with a probe that sends a signal from the nozzle; the other set works with a fully traceable wire over the entire detection hose. The Homburg detection sets can be equipped with Bluetooth which makes it possible to connect to a mobile phone. With this option you can view the drainage system on a GPS map.



# HOMBURG WEBSHOP

If your machine is suffering wear and tear, there are various replacement parts available.

There is a specific repair kit for pumps, for example, but individual parts can also be ordered quickly and easily from our webshop.



## PRODUCTION

Your Homburg Draincleaner is assembled exactly in accordance with your specifications in our high-tech assembly shop. Because of our in-house manufacturing you can count on the correct and speedy delivery of your machine.

# HOMBURG HOLLAND

Our world population is increasing at a great rate and it is a huge challenge for agriculture to continue to provide it with healthy food! Homburg Holland is eager to do its bit and wants to continue to grow as a leading player in the field of sustainable precision agriculture.

The employees of Homburg are characterized by their specialist knowledge. The principles that drive our service to the crop farming and horticulture sectors are expressed through our premium quality high-tech machines for seedbed preparation, drilling, planting and the healthy growth of crops.

We interpret our slogan 'See you in the field' quite literally. Always at the forefront, and with its feet firmly on the ground, Homburg keeps abreast of the developments in crop farming and horticulture. Its aim is to enable its customers to achieve the highest possible yield per hectare, efficiently and sustainably, through precision agriculture. Precision agriculture are in our blood; measuring, recording, analysing and knowledge ensure that crop farmers can achieve optimal profits. That is what we stand for. 'Profit through knowledge'; the sharing of knowledge leads to top results. This is at the heart of what Homburg does. This is the blood that pumps through our veins, and that's what we are proud of!

Efficient and sustainable agriculture starts with optimal soil conditions. We therefore designed the Homburg Draincleaner and produce and export this useful machine worldwide.

Our support for non-return tillage and high-speed drilling and planting techniques comes in the form of the top quality Swedish Väderstad's tillage and seed drills, for which we are the importers and agents.

We also demonstrate our commitment to sustainable, resource-saving and no-drift crop protection by importing Garford hoeing technology and Hardi Twin Force sprayers (since 1961).

Get in contact  
with a dealer or one  
of our specialists



# HOMBURG

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