



KÄRCHER

SIMPLY PERFECT GARDEN WATERING.

With these step-by-step instructions, you can quickly and easily plan your customised Kärcher Rain System®.

GET YOUR PERFECT WATERING SYSTEM IN FIVE STEPS.

Every garden is different. And for this reason, every garden should be watered according to its needs. On the following pages, we will show you step-by-step how you can easily assemble your perfect Kärcher Rain System®. These instructions will help you to choose the perfect products for your garden and make any subsequent installation a breeze.

Simply use our example as a guide and lay out your plan on the graph paper provided on the last page. To get started, you just need a couple of pens – and of course your own garden!

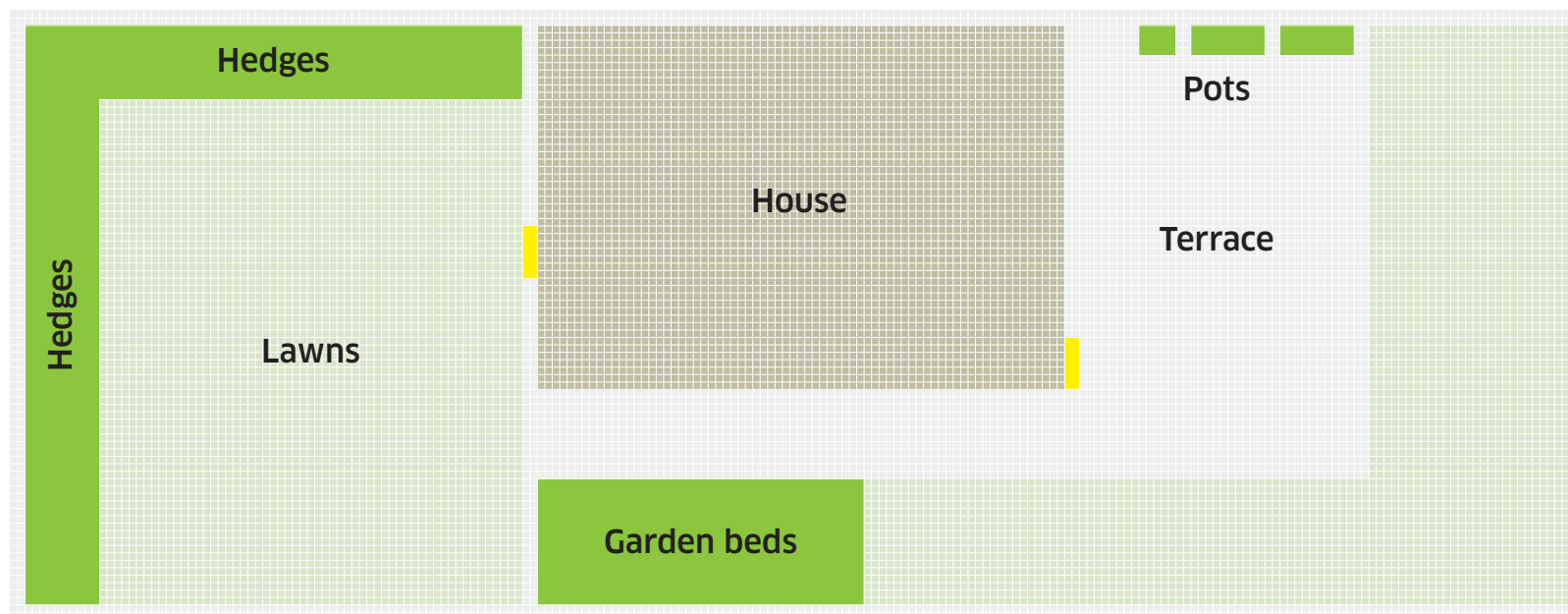
Your five steps to success:

1. Sketch your garden
2. Plan the water distribution
3. Determine the infrastructure
4. Include a watering control system
5. Draw in the watering elements

STEP 1: SKETCH YOUR GARDEN.

1

First draw the outline of your property on the graph paper and then add in your house, the areas to be watered and the position of the tap or an alternative water source. For a clear and detailed illustration, the standard 1: 100 (1 cm = 1 m) or 1 : 200 (1 cm = 2 m) are particularly suitable.



Water source
(Tap, cistern, rain barrel, etc.)

Watering area
(All areas to be watered,
both individual plants and whole
areas such as hedges, etc.)

STEP 2: WATER DISTRIBUTION.

a) Drip irrigation

2

DRIP IRRIGATION FOR SINGLE PLANTS AND PLANT ROWS.

For drip irrigation, the water is distributed precisely and close to the roots. This promotes plant growth and also saves water. Thanks to the uniform pressure distribution, the water is evenly distributed at a length of up to 50 m.

Depending on requirements, drip irrigation can be installed in the Kärcher Rain System® in two different ways: either with the separate and extendable trickle hose or with individual drip nozzles, which can be individually connected to the Kärcher Rain System® hose.



Trickle hose

Two-layer hose with core and textile coating for reliable watering along rows of plants and hedges. The trickle hose is available in the lengths 10 m and 25 m, can be shortened as required or extended to 50 m and very easily combined with the Kärcher Rain System®. For optimal water distribution, use the hose with a pressure of 2 bar.



Drip nozzle

Sleeve with water flow regulation of 0 to 10 l/h for targeted watering directly at the plants. The drip nozzle is perfect for rows of plants, for example in vegetable patches, and can be individually connected to the Kärcher Rain System® hose.

STEP 2: WATER DISTRIBUTION.

b) Area watering

2

AREA WATERING FOR SMALL AND MEDIUM SURFACES.

With our versatile micro spray nozzles, you can water your garden beds, shrubs or border plants with perfect coverage. The reach of the micro spray nozzles extends in a radius of 1.3 m (at 2 bar) to 1.8 m (at 4 bar). Three different spraying patterns offer you extremely flexible watering options - and the optimal water volume for your requirements can be easily set on the nozzle head (0 - 55 l/h).



360° micro spray nozzle
Ideal for open areas.



180° micro spray nozzle
Ideal for border plants.



90° micro spray nozzle
Ideal for corner plants.



STEP 2: WATER DISTRIBUTION.

c) Pot watering

2

POT WATERING FOR TERRACE AND BALCONY PLANTS.

The pot watering set is the ideal basic equipment for your terrace or balcony. The 4-mm-thin connecting hoses feed the water from the Kärcher Rain System® hose directly into your flower pots and flower boxes. And with the practical droppers, T-connectors and hose spikes, you can further customise watering of your terrace and balcony plants.



Connection hose, 4 mm

Using sleeves, the water is fed from the supply hose into the thin connection hoses and into your pots and boxes.



Droppers and T-connectors

Depending on requirements, the water is applied via the total of 15 droppers contained in the set. These droppers can be regulated between 0 and 10 l/h and can be distributed as needed in your flower boxes using special connection pieces, the T-connectors.



Hose spikes and hose stops

With the hose spikes, the thin connection hoses can be mounted and fixed in place very close to the plants. Hose stops seal the ends of the hose.

STEP 3: DETERMINE THE INFRASTRUCTURE.

3

How long does a hose need to be for the water to reach your plants? Which connection pieces do you need to join several parts together? To make the laying of your chosen watering system as simple as possible, you should also start to consider the required infrastructure at an early stage.

SUPPLY HOSES AND FILTERS.



Garden hose

With a standard garden hose, you can connect the tap with the Kärcher Rain System® hose to the watering area. The Kärcher Performance Plus hoses are perfect for this.



Kärcher Rain System® hose

The Kärcher Rain System® hose also serves as a supply hose for the entire water distribution and is laid along the watering area. It is available in length units of 10 m and can be shortened as required and combined with the trickle hose. Drip and micro spray nozzles and sealing collars can be fitted to it easily.



Particle filter and pressure reducer with filter

To protect the Kärcher Rain System® against small dirt particles, we recommend slotting in a filter. The pressure reducer already has an integrated filter. In the case of high line pressure, the pressure reducer also allows you to reduce the input pressure to 4 bar output pressure.

STEP 3: DETERMINE THE INFRASTRUCTURE.

3

LAY THE INFRASTRUCTURE AS REQUIRED.



I-connector

You can use the I-connector to connect the Kärcher Rain System® hoses to each other or to the trickle hose.



Hose stop

You can seal your Kärcher Rain System® hose with the hose stop and keep the water in the system circuit.



T-connector

The T-connector with side outlet and water flow regulation connects Kärcher Rain System® hoses to the trickle hose. This means you can lay two independent hose lines.



Hose spike

Hose spikes are used to fix Kärcher Rain System® hoses in place and are also ideal as marker aids to ensure optimal depth.

STEP 4: INCLUDE A WATERING CONTROL SYSTEM.

4

To make your garden watering more convenient, our versatile water timers can be very easily integrated into your individual watering system. The water timers from Kärcher regulate your garden watering precisely according to plan – for targeted and need-based watering.

WATERING WITH TIME CONTROL.



Water timer WT 2

The WT 2 combines the advantages of a three-way tap adaptor and a water timer in a single product. The two outer water outlets can be infinitely adjusted. On the third water outlet with clock, you can adjust the watering duration.



Water timer WT 4

The WT 4 enables regular and time-controlled watering. Thanks to the removable display, the water timer is easy to operate and can be programmed conveniently.



Water timer WT 5

The WT 5 can be programmed precisely for each day of the week and the start of watering can be programmed to the minute. This means it is also suitable for use in regions with watering restrictions. The removable display and the intuitive menu make it easy to operate.

STEP 5: DRAW IN THE WATERING ELEMENTS.

5

When you have decided on the right infrastructure, the optimal water distribution and the perfect watering control system, you only need to draw the individual elements into your plan. For guidance, you can refer to our helpful sample sketch on the next page.

Start with the watering control system on the tap and then draw in the garden hose which leads to the watering area. Arriving at the watering area, now draw in all infrastructural elements that you want – from the Kärcher Rain System® hose or trickle hose to the filters, connection pieces and hose stops. Then decide how many drip nozzles and micro spray nozzles are needed for the area and also add these to the plan. Now you can measure out the required hose lengths and simply calculate how many parts you will need.

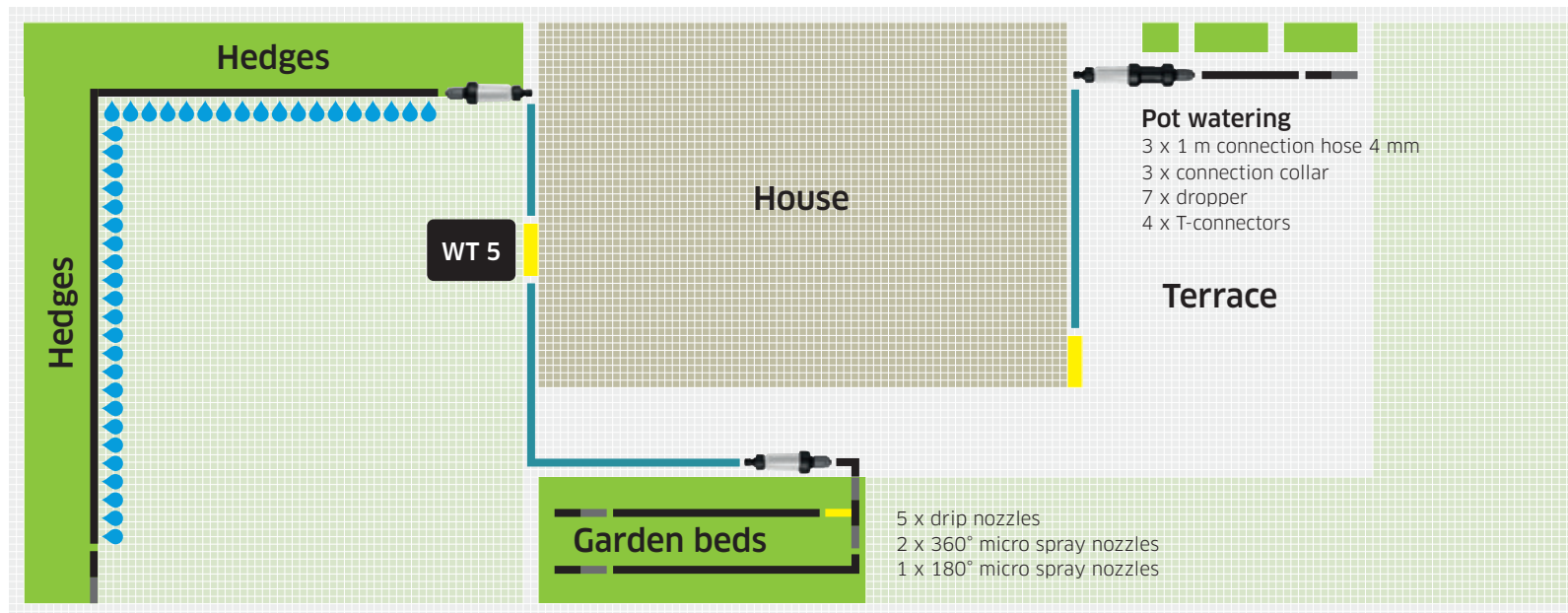
Once you have fully sketched your individual watering system, you are ready for purchase and installation. If you still require assistance, you can find clear and helpful assembly instructions on www.kaercher.com.

We hope you enjoy your Kärcher Rain System®!

STEP 5: DRAW IN WATERING ELEMENTS.

5

SAMPLE SKETCH FOR BETTER GUIDANCE.



Water source
 (Tap, cistern, rain barrel, etc.)

Watering area
 Watering area (individual plants or whole areas such as hedges, etc.)




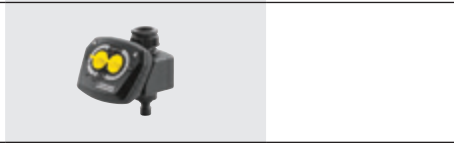




* This is a recommendation; you can also use standard garden hoses.

CREATE A SHOPPING LIST.

All steps completed and all details planned? Now you can create your practical shopping list for your customised Kärcher Rain System®. Simply enter the number of required parts in the product list shown below – and then enjoy shopping!

Description (order number)	Your purchase	Description (order number)	Your purchase
Kärcher Rain System® hose, 10 m (2.645-227.0)		T-connector with water flow regulation (2.645-231.0) (Pack of 2)	
Trickle hose 10 m (2.645-229.0)		I-connector (2.645-232.0) (Pack of 2)	
Trickle hose 25 m (2.645-228.0)		Hose stop (2.645-233.0) (Pack of 2)	
Hose Performance Plus 1/2"- 20 m (2.645-318.0) (up to - 323.0 depending on length/diameter)		Hose connection set (2.645-240.0) (Includes 4 T-connectors with water flow regulation, 4 I-connectors, 5 hose stops)	
Particle filter (2.645-225.0)		Drip nozzle (2.645-234.0) (Pack of 5)	
Pressure reducer with filter (2.645-226.0)		Micro spray nozzles (2.645-236.0) (Includes 1 × 360°, 2 × 180°, 2 × 90°)	

CREATE A SHOPPING LIST.

Description (order number)	Your purchase	Description (order number)	Your purchase
<p>Micro sprayer set (2.645-239.0) (Includes 5 drip nozzles, 10 sealing collars, 10 micro spray nozzles (4 × 90°, 4 × 180°, 2 × 360°), 5 hose spikes)</p>		<p>Water timer WT 5 (2.645-219.0)</p>	
<p>Sealing collar (2.645-235.0) (Pack of 5)</p>		<p>Water timer WT 4 (2.645-174.0)</p>	
<p>Hose spike (2.645-237.0) (Pack of 5)</p>		<p>Water timer WT 2 (2.645-209.0)</p>	
<p>Kärcher Rain Box (2.645-238.0) (Includes plastic carrying case, 10 m trickle hose, 15 m Kärcher Rain System® hose, 4 T-connectors with water flow regulation, 4 I-connectors, 10 drip nozzles, 5 hose spikes, 5 hose stops, 1 particle filter, 2 connectors and 1 tap adaptor G1 with reducer G3/4)</p>			
<p>Kärcher Rain System® pot watering set (2.645-276.0) (Includes 10 m 1/2 hose, G3/4 brass tap adaptor with G1/2 reducer, hose connector, 10 m of 4 mm connection hose, 15 droppers, 15 hose spikes, 10 T-connectors, 10 x collars for connecting 4 mm connection hose and 1/2 hose, 4 hose stops (3 × small, 1 × large). Note: Parts for the pot watering set are not available individually.</p>			





Questions? We're always happy to help:

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