



# WILDFIRES DON'T SEE PROPERTY LINES PROTECT WHAT MATTERS

Wildfires are unpredictable, but the risk is real. The last few years have seen larger and more frequent fires. The damage can be – and has been – devastating. Entire towns have been consumed, homes destroyed, and lives lost. We cannot afford to ignore the risk. *It is up to all of us to protect what matters.*

## TAKE CONTROL OF THE RISK

Wildfires spread furiously until one of two things happen—the weather changes drastically or they run out of fuel. The future requires us to focus on what we can control: the fuel. There are basic preventative measures to safeguard properties. However, even these have their limits during extremely dry or windy conditions.

For 45 years, Mercedes Textiles Ltd. has delivered water for wildland firefighting around the world with our WICK® portable pumps and forestry hose. Watching wildfires consume local communities, we were compelled to do more.

We know wet fuel won't burn. When water sources are available, our pumps can provide additional safeguards to mitigate damage to structures & property using water barriers.

With that goal in mind, we developed WICK® Value Protection pumps to power the last line of defense when the risk hits home.



### SMALL STEPS; BIG IMPACT

*Research has shown that homes and their surrounding areas are particularly vulnerable to wildfire. Retired USDA Forest Service fire scientist Jack Cohen developed the concept of the Home Ignition Zone (HIZ) in the late 1990s based on breakthrough research on wildfire spread.*

*The HIZ is composed of three concentric zones extending out from the main structure from Immediate to Intermediate to Extended. Preventative measures are recommended for each zone to mitigate the risk of fire from embers or radiant heat – clearing debris, safely storing combustibles, creating fuel breaks, spacing trees, etc.*

*As homeowner, community, business, or government, taking these simple steps will have a big impact. Go to [FireSmartCanada.ca](http://FireSmartCanada.ca) and [Firewise.org](http://Firewise.org) to learn the basics of wildfire property preparedness.*

*WICK® Value Protection pumps can offer an additional layer of security, particularly in locations where retrofitting HIZ safety recommendations may be challenging. We can never be over prepared for wildfire.*

# PROVEN PUMPS

WICK® is world-renown in wildland firefighting for water delivery. WICK® Value Protection offers a full line of portable pumps engineered for extended runtime with key features like remote fuel connection, automatic shutoff, unique clutch, and electric start options. From lightweight to high-power, our VP lineup includes pumps of variable pressure & volume performance to supply flexible solutions.

## WICK 100M



### ULTRA-LIGHTWEIGHT

MAX 105 PSI | MAX 72 GPM  
20 GPM @ 80 PSI | 60 GPM @ 30 PSI

Ideal for smaller systems like rooftop sprinklers and hose-lines

## WICK SI 300



### PORTABLE POWER

MAX 275 PSI | MAX 90 GPM  
30 GPM @ 200 PSI | 80 GPM @ 80 PSI

Ideal for mid-size and mid-range systems; flexible to meet a variety of needs

## WICK XP4-14



### HIGH POWER

MAX 380 PSI | MAX 105 GPM  
120 GPM @ 80 PSI | 97 GPM @ 30 PSI

Ideal for larger/expanded systems and locations with farther distance or elevation from the water

## WICK ULTRAFLO™

### HIGH PRESSURE + HIGH VOLUME

**18 HP:** 100 GPM @ 140 PSI | 290 GPM @ 30 PSI // **23 HP:** 140 GPM @ 140 PSI | 300 GPM @ 30 PSI

Our newest pump, the WICK UltraFlo™ offers a high power, heavy duty combination pump capable of flowing 2x more water than our standard 2-stage pump-end. As the top of our Value Protection lineup, this pump is ideal for industrial or municipal applications requiring high volume over long distances or elevations. This level of performance would power multiple tower sprinklers, extended ground sprinkler lines, and high-flow monitors.



# DELIVERY ACCESSORIES

Mercedes Textiles is a certified reseller for high-quality sprinklers and manufactures industry-leading forestry hose and accessories. For some setups, additional components may be required—many of which are found at basic hardware stores.



### VERSATILE SPRINKLERS

Heavy-duty industrial irrigation sprinklers with adjustable angle and high quality rooftop/ground sprinklers available with different nozzle and mount options.



### FORESTRY HOSE & ACCESSORIES

Mercedes Textiles forestry hose, weeping or non-weeping, available in various sizes, along with accessories to complete a solution, such as wyes, valves, wildland nozzles, fuel tanks, etc.

# FLEXIBLE SOLUTIONS

WICK® Value Protection pumps can be paired with various sprinkler setups to create a water barrier defense against wildfire. Here we've showcased four setup styles, listing the basic benefits and components. These would be customized to meet the unique needs of each property. Our WICK® Value Protection lineup offers pumps of varying performance levels to meet most system volume and pressure requirements (GPM/PSI).

## TOWER SPRINKLERS

SEE VIDEO

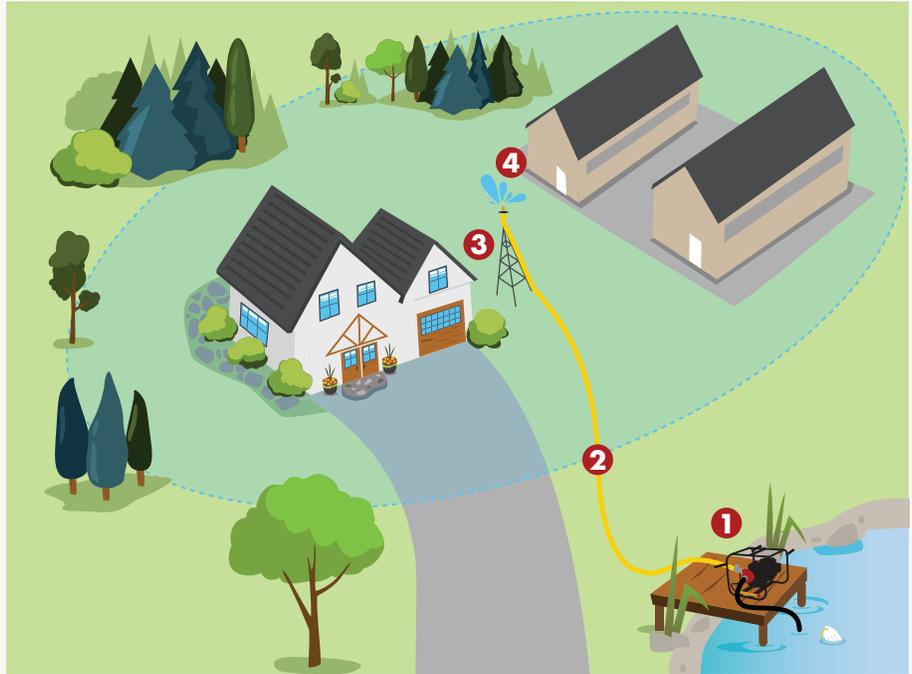


Ideal for multiple structures or larger properties, tower setups use mounted industrial irrigation sprinklers to offer a wide range of protection [ up to 160' radius per sprinkler ].

Within minutes, a water barrier of mist is created, soak all surfaces and preventing combustion. Works best as a permanent or semi-permanent installation.

### COMPONENTS:

1. Pump Setup
2. Discharge Hose
3. Tower structure
4. Irrigation Sprinkler



## ROOFTOP SPRINKLERS

SEE VIDEO



For individual structures or smaller properties, rooftop sprinklers offer a simple setup with an expandable range for quick and effective protection [ up to 50' radius per sprinkler ]. These setups ideal for homeowners and cottages as permanent, seasonal or temporary installations on rooftops or flagpoles.

### COMPONENTS:

1. Pump Setup
2. Discharge Hose
3. Wye / Water Thief
4. Sprinkler Hose(s)
5. Roof/Pole Mounted Sprinkler(s)



**For any setup, components and requirements will depend on the structure(s), protection area, elevation from and distance to water source, and sprinkler(s) volume/pressure. Once the requirements are calculated, select a pump that offers the necessary performance.**



## GROUND SPRINKLERS

SEE VIDEO



For larger properties or open spaces, ground sprinklers create a non-combustible perimeter with a line of multiple sprinklers connected with forestry hose. These setups are easy to deploy and flexible to be a seasonal or temporary system that can be expanded or relocated as needed [ up to 50' radius per sprinkler ].

### COMPONENTS:

1. Pump Setup
2. Discharge Hose
3. Wye
4. In-Ground Sprinkler(s)
5. Sprinkler Hose(s)

## HOSELINES / HYDRANTS

SEE VIDEO



Directly connecting hoseline(s) with nozzles allows for active fire extinguishment or manned defense\*. Quick deploy when needed, hoselines are also useful for recreational fire containment. Installing permanent "hydrant" boxes allows for even faster access.

### COMPONENTS:

1. Pump Setup
2. Discharge Hose
3. Forestry Nozzle



\*Be safe. Always follow evacuation orders.



## FREQUENTLY ASKED QUESTIONS

### HOW DO WE DETERMINE WHICH SETUP TYPE FITS BEST?

The ideal setup will be based on the property or structure size and type, the location requirements and budget. You should also take into consideration whether the system will be permanent, seasonal, or temporary.

### HOW DO WE DETERMINE WHICH PUMP IS REQUIRED?

You will need to calculate the required volume and pressure (GPM @ PSI) to supply adequate water to the sprinkler(s). This requires data from the location, particularly distance and elevation from water source, the required range of the system, and friction loss of the hose(s). Online calculator will be available soon.

### DOES MERCEDES SELL THE TOWER STRUCTURES?

We do not currently offer the tower structures direct. We recommend looking for antenna towers like American Tower Company. We have seen customers build their own towers with great success. The tower should be tall enough to ensure water will cover all structures and secure enough to handle the backpressure of the sprinkler. It can be freestanding or mounted to a building. Be sure to consider prevailing winds when selecting a location.

DISCLAIMER: Wildfires are very dangerous and unpredictable. Please always refer to your local governments for status updates and follow their recommendations. These systems are only intended to enhance protection. We cannot guarantee your property will be untouched by wildfire.

### DO YOU OFFER SITE VISITS, INSTALLATIONS, OR MAINTENANCE SERVICE?

We do not visit locations for quoting, installation or maintenance. Your local fire department or forestry services may be able to assist you in developing the best plan. For component quotes, contact one of our local distributors with your setup requirements and needs.

### DO YOU OFFER PRODUCT TRAINING?

We do through local distributors where possible. We also have setup and instructional videos for most of our pumps. We are available for online / phone support for additional troubleshooting.

### DO YOU SELL ONLINE OR DIRECT?

Mercedes Textiles does not sell online; we sell through our distributor network. If there are no local distributors, we will work directly with the purchaser to fulfill their needs. Contact [sales@mercedestextiles.com](mailto:sales@mercedestextiles.com).



**WICK**  
PROVEN TO DELIVER



**TAKE CONTROL OF THE RISK  
CONTACT US TODAY**

[sales@mercedestextiles.com](mailto:sales@mercedestextiles.com) | 1 (877)-937-9660  
[WWW.MERCEDESTEXTILES.COM/PROTECTION](http://WWW.MERCEDESTEXTILES.COM/PROTECTION)