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WATERAX
MAGAZINE
01-2019

Wildland
firefighting
evolves fast



When extreme is
the new normal



The evolution of
the iconic MARK-3®



Wildland firefighting evolves fast

The new **MARK-3[®]**
Watson Edition pump
gives you the power
to stay in control.

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Meet the fire pump of the future

The all new **MARK-3[®] Watson Edition** will set a new benchmark of excellence for high-pressure fire pumps in the wildland firefighting community for generations to come.

MARK-3[®] **WATSON EDITION**

Portable high-pressure fire pump

LIGHT.
SMART.
POWERFUL.

Evolving the iconic **MARK-3[®]** pump even further

Since the 1960s, the **MARK-3[®]** pump has been the gold standard in performance, reliability and durability and is trusted by forestry agencies around the world.

Building on decades of experience in crafting the best portable fire pumps in wildland firefighting, the **MARK-3[®] Watson Edition** was conceived to be the next-generation firefighting tool to meet the challenges faced by wildland firefighters today.

CHANGING
ENVIRONMENTS

Global warming and extreme forest fires

Wildfires are the biggest emerging threat to our communities and ecosystems in North America and around the world. Wildfire seasons are burning longer and hotter, affecting more and more people while interface fires are becoming common and more homes are located in remote areas. It's a new reality and the situation is going to get a lot worse as large fires will continue to rip landscapes apart.

Are wildland
firefighters ready
and equipped
to handle new
monster fires?



MODERN-DAY WILDLAND FIREFIGHTING

When extreme is the new normal

Wildland firefighting is one of the most dangerous and demanding professions in the world. Firefighters battle grueling, life-threatening situations and go where most people would never dare to go. As fires become more extreme, it's essential that the equipment that firefighters rely on evolve to meet their new needs. This is a new era of wildland firefighting.

“During the 21st century wildfires globally are becoming increasingly deadly and destructive.”

- International Association of Wildland Fire

Source: <https://www.iawfonline.org/article/iawf-issue-paper-extreme-fires/> Accessed May 29, 2019.

WATERAX tree planting initiative

Considering all of the wildfires that have ravaged landscapes in the past few years, it is essential to think about land restoration. Planting trees after wildfires is critical to mitigate further damage and establish a new forest for future generations. In partnership with various organizations in Canada and the United States, **WATERAX** has already donated 10,000 trees since July 2017 to contribute to forest regeneration after severe wildfires.

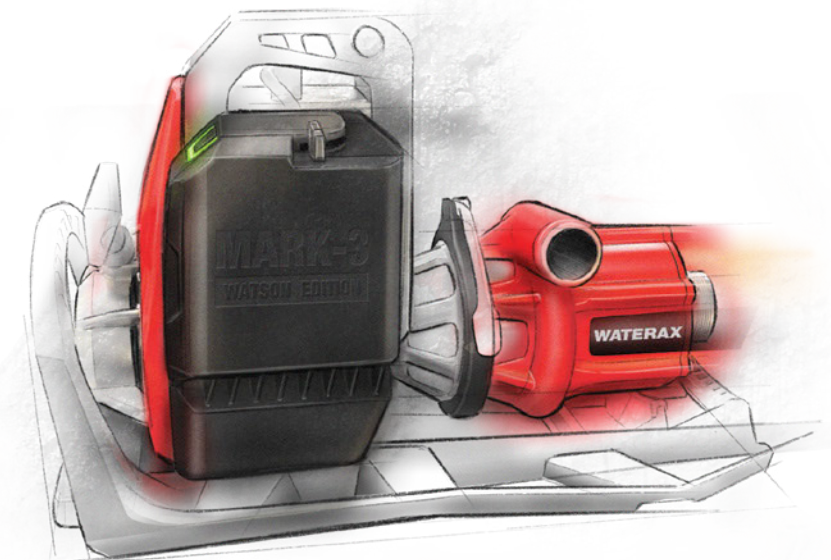
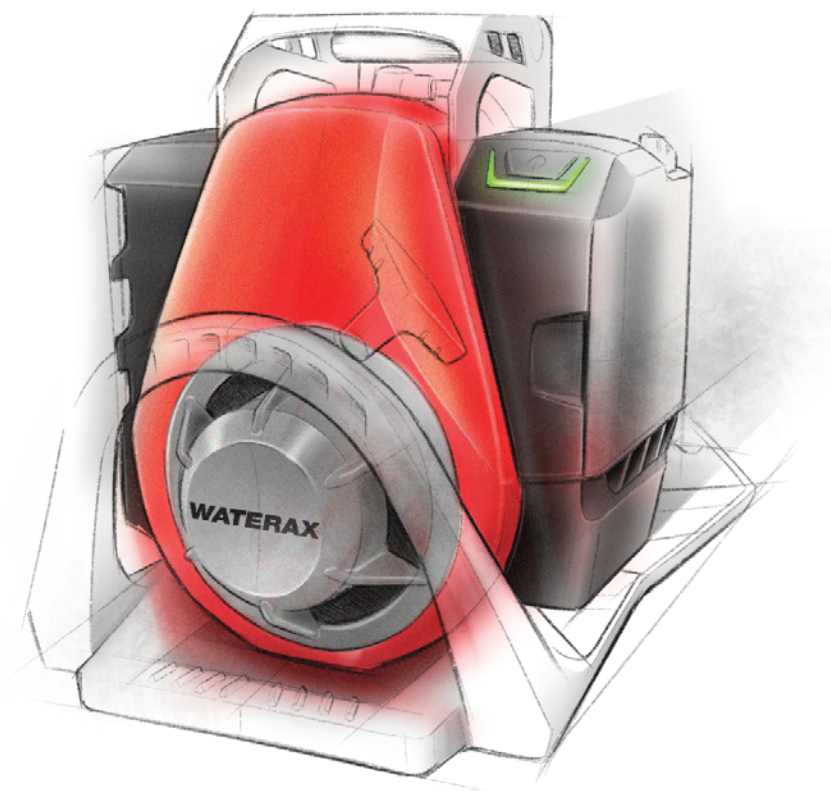




MARK-3®
WATSON EDITION

The evolution of the iconic MARK-3®

The **MARK-3®** is an iconic pump—a truly outstanding and reliable performer that’s designed to withstand the rigors of wildland firefighting. It’s the core of most water-delivery systems in wildland operations and has been the trusted solution for wildland firefighters for more than 50 years.



What was there to improve?

We listened to you. As wildfires evolve, we were conscious that there were ways to improve the **MARK-3®** pump. We sought the feedback of wildland firefighters around the world and developed the **MARK-3® Watson Edition** to respond to your needs while allowing you to work safer and react more quickly.

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OUR GOAL

Investing in the future

To create the next-generation pump for wildland firefighters who need to move water to protect communities, natural resources and ecosystems from the ravages of wildfires.

To build the **MARK-3**® fire pump of the future for wildland firefighters that will make their job safer and easier.

Because it's our duty to provide wildland firefighters with the best equipment possible.



Weight

The most requested improvement to the **MARK-3®** was, hands down, a reduction in weight. Wildland firefighters challenged **WATERAX** to cut down on weight without sacrificing reliability and power.

30%
LIGHTER

20%
SMALLER

100%
MARK-3®



That's what the **MARK-3® Watson Edition** delivers: it's light, smart and powerful and has the reliability that you expect from a **MARK-3®** pump.

WATERAX used computational fluid dynamics (CFD) and engineered composite materials to create the evolution of the iconic **MARK-3®** fire pump. It has a 4-stage high-pressure pump end that is lighter, more efficient and more durable. It also features the first ever purpose-built engine specifically designed for wildland firefighting.

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Mobility

The entire unit is 30% lighter and 20% smaller.

- Integrated carriage system
- Easy loading / unloading
- Option to backpack engine side up or down
- Padded clip-on shoulder straps with chest strap
- Integrated carry handle



Safety

Reduces the most common firefighter injuries (slips, trips, falls and transport-related injuries).

To increase safety, we made a lighter pump with an ergonomic carriage system, padded straps and included a heat shield on the muffler.

User-friendliness

Smart, intuitive and easy to use.

- Engine operating status
- Troubleshooting function
- LCD visual interface
- Integrated hour-meter
- Tachometer
- High temperature protection



Ease of start

Significantly easier pull-start.

- Less compression
- Foothold for steady pull start
- Engine warm-up indicator
- Throttle pre-sets
- Anti-flooding feature to eliminate risk of flooding engine



Your trusted partner

Trusted by wildland firefighters around the world, **WATERAX** sets the industry standard by developing innovative, portable fire pumps and water-handling equipment designed to withstand demanding applications and rugged environments. With a time-tested legacy of reliability, **WATERAX** carries on its mission to place powerful, precision-engineered pumps into the hands of the men and women who need to move water to protect our lives and property from the ravages of wildfires.

Trusted by wildland firefighters since the 1920s

Why **WATERAX**?

WATERAX has been manufacturing portable fire pumps for more than 100 years.

WATERAX is uniquely qualified to create, develop and manufacture tools to fight wildland fires.

Our engineering team is 100% dedicated to researching, developing and testing each component of the **MARK-3®**.

Every tool and every part has been precision-engineered to make sure it stands the test of time in the rugged environments in which they will be used.

We've been part of the wildland firefighting community for decades and we're investing in the future.

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The Watson Elite Squad



Meet our **Watson** product specialists, Zach & Alex, who will be travelling across North America to showcase and demo the new edition of the **MARK-3®** fire pump.

Zacharie

A dedicated team player, Zach joined **WATERAX** in 2019 following 5 years fighting wildfires in British Columbia on the Sentinel Unit Crew. He brings hands-on experience operating the **MARK-3®** pump in the challenging, stressful and ultimately incredibly memorable situations that characterized his career combating wildland fires. Zach speaks to the durability and reliability of the **MARK-3®** and other **WATERAX** products from his professional experience in BC and Alberta.

Alexandra

Alex grew up in Montreal and has been living in British Columbia since 2015. She joined the team in 2019 after 3 seasons as a wildland firefighter. She enjoyed the dynamic work environment of wildland firefighting and the range of responsibilities she had on the fireline as an Initial Attack crew member. She has real-life experience with the iconic **MARK-3®** and is the epitome of the modern-day firefighter for whom the **Watson** was designed.

Cooper

Zach and Alex's faithful 4-legged companion, Cooper, is a young Australian Shepherd/Border Collie cross who doesn't miss an opportunity to make new friends. Cooper's always up for adventure!



The Watson Tour

Test out the fire pump of the future. The **Watson** Tour will help you discover everything you need to know about the new **MARK-3® Watson Edition** pump. We want you to test it, use it and give us your feedback. Participate in the creation of the best possible pump for wildland firefighters—for today and tomorrow.

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QC

Maniwaki
**JULY 3,
2019**

ON

Thunder Bay
**JULY 8,
2019**

BC

Chilliwack
**JULY 11,
2019**

BC

Kamloops
**JULY 12,
2019**

BC

Prince George
**JULY 15,
2019**

YT

Whitehorse
**JULY 17,
2019**

NWT

Fort Smith
**JULY 19,
2019**

AB

Edmonton
**JULY 22,
2019**

AB

Banff
**JULY 23,
2019**

SK

Prince Albert
**JULY 24,
2019**

MB

The Pas
**JULY 25,
2019**

MARK-3[®]

WATSON EDITION

Towards tomorrow

WATERAX used state-of-the art technology to design a high-pressure portable pump that weighs only 42 lbs while matching **MARK-3[®]** performance and reliability. The **MARK-3[®] Watson Edition** provides wildland firefighters with a pump that is easier to start, more intuitive to operate, and safer to carry resulting in lower cost of ownership for wildland agencies. Lighter, smarter and with an unmatched power-to-weight ratio, the **MARK-3[®]** will once again redefine the industry standards for decades.

To find out more about **WATERAX** and the **MARK-3[®] Watson Edition** wildland fire portable pump, contact us.

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WE MOVE WATER