

2016



PORTABLE PUMPS  
**PRODUCT GUIDE**

**WATERAX** 

**WE MOVE WATER®**



## COMPANY PROFILE

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 protect our lives and property.

Benchmarks in the wildland firefighting community, our trustworthy MARK-3® and BB-4® centrifugal fire pumps have been top sellers and established leaders for generations. Many pumps sold decades ago are still in operation today, and are maintained with genuine spare parts.

### We've got your back.

A product is only as good as the service behind it. At **WATERAX**, we back our quality products with steadfast service. Trust us to be there when you need us.

Quality. Reliability. Trust. Our pumps are as tested and proven as the men and women who use them every day.



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## COMPANY HISTORY

Lumbermen, foresters, loggers, government agencies, and all concerned parties consider fire the leading risk to the timber and pulp industries, and to forest preservation. They've recognized for many years that the successful suppression of fires combines SPEED and WATER, and that effective equipment must provide for quick transportation and the powerful application of water.

**WATERAX** has a long, proud, and exciting history:

**1898:** Montreal native John Colquhoun Watson Jack founds Watson Jack & Co

**1925:** John Colquhoun Watson Jack introduces a powerful 200 PSI portable fire pump called the WAJAX (an acronym of his name)

**1954:** Watson Jack & Co and its F H Hopkins subsidiary are acquired by B J Coghlin & Co Ltd

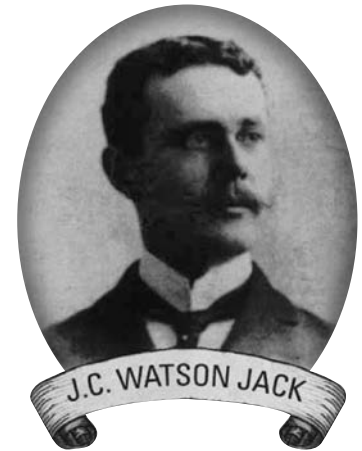
The operations of the newly acquired businesses are merged to form Watson Jack Hopkins Ltd

**1959:** The company is renamed Wajax Equipment Ltd

**1964:** Wajax Ltd acquires Pacific Marine's fire division and is renamed PacificPumpers Inc

This move solidifies Wajax Ltd's position as the leading North American manufacturer of forest fire protection products

The MARK-3® brand is introduced and rapidly becomes the standard portable fire pump for wildland, used by forestry agencies around the world



### Early 1980s:

Pacific Pumpers changes its name to Wajax-Pacific Fire Equipment Inc

In the ensuing years the company expands beyond wildland fire control to become an industry-leading manufacturer of firefighting equipment for the US industrial and marine markets

**1983:** Wajax Ltd sets up its Fire Control Division, combining Wajax-Pacific Fire Equipment Inc and Montreal-based Wajax Manufacturing

**1995:** Wildfire Fire Equipment Inc, a newly formed company, purchases Wajax Ltd's Fire Control Division

**2000:** Wildfire Fire Equipment Inc. is acquired by Tyco International

**2010:** Wildfire is acquired through a management buyout and renamed to Wildfire Environmental Inc.

**2014:** Wildfire Environmental Inc. changes its name to **WATERAX INC.**

Today, the **WATERAX** brand harnesses the powerful essence of the historical names Watson & Jack Co, Wajax, and Wildfire. By returning to its roots, **WATERAX** is aligning itself with the original purpose of the company, with a new identity that communicates the core nature of our manufacturing activities and our distinctive portable pump products brand.

**WATERAX** products are characterized by multi-stage centrifugal pump ends designed to move water while generating high pressure to meet the difficult requirements of wildland firefighting.



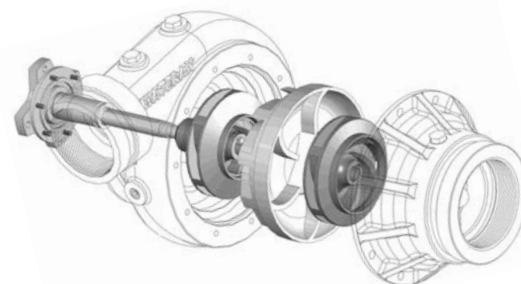
## THE WATERAX WAY

**WATERAX** is proud to continue its almost century-long tradition of designing, manufacturing and supporting high-performance and durable portable pumps. The key to its success lies in its ability to craft high quality components which form the cornerstone of superior and dependable pump performance.

### Detachable multi-stage pump ends

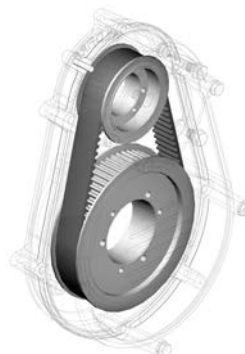
**WATERAX** performance and dependability come from our superior multi-stage pump end design, patented in 1958, that provides unrivaled pressure and volume.

- Unique blister resistant mechanical rotary seal to prolong pump end longevity.
- Maintenance free sealed bearing to avoid the need for greasing the pump end in the field.
- Anodized aluminium impellers and pump body which eliminate galvanic corrosion common with bronze impellers.



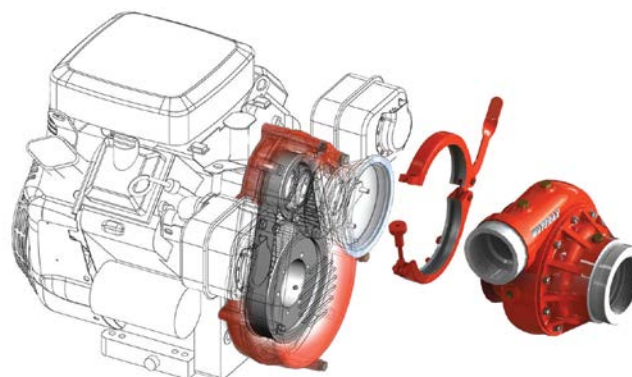
### Low maintenance drive assembly

Originally designed for the BB-4, the **WATERAX** low maintenance drive assembly has been time-tested under the most difficult conditions and proven to be dependable and reliable for more than 40 years.



### Innovative quick release clamp

Our innovative pump end quick release clamp provides ease of maintenance without having to disassemble the complete unit, thus significantly reducing equipment downtime, which can prove crucial in emergency situations.



### Convenient 2-in-1 system

The **WATERAX** 2-in-1 system enables the easy interchanging of pump ends in the field. The platform is also compatible with either a high-pressure or a mid-range pump end, providing users with maximal performance flexibility at the lowest possible cost.



## THE WATERAX PLATFORM

**WATERAX** offers of a complete line of high performance pump ends suited to meet the most difficult water handling requirements. The **WATERAX** platform is composed of a low maintenance drive assembly, a mid-range pump end and three high-pressure pump ends. The platform's most unique feature is its quick release clamp system which allows for the hook up of any **WATERAX** pump end to its drive assembly as well as almost instantaneous pump end detachment and interchange. This reduces equipment downtime, increases its flexibility and significantly cuts costs. These components are ideal for original equipment manufacturers looking to adapt high quality pump ends to their respective fire apparatus.

### High-pressure pump ends

The **WATERAX** high-pressure centrifugal pump ends are offered in 4-stage, 3-stage, and 2-stage configurations. They deliver pressure up to 440PSI (30.3 BAR) and flows reaching 106 GPM (401 L/min) and are ideal pump ends for moving water over long distance and high elevation.



**18-16S / 3-Stage**



**25-16S / 2-Stage**



**12-16S / 4-Stage**

### Mid-range pump end

The **WATERAX** B2X™ is a mid-range 2-stage centrifugal pump end that delivers pressure up to 200 PSI (13.8 BAR) and flows reaching 300 US GPM (1136 L/min). With strong pressure and volume, it's the ideal pump end for dual attack lines dedicated to wildland and urban interface operations.

It is also an excellent choice for high volume remote watering, booster line applications, brush trucks, slip-on units and for uphill tandem operations. The suction and discharge use a combination of Victaulic and national pipe threads.



**B2X / 2-Stage**

### Drive assembly

**WATERAX** offers an outstanding drive assembly that boosts the performance of pump ends. The drive assembly increases the speed of pump revolutions resulting in increased pressure and volume. The drive assembly is used with the **WATERAX** quick release clamp to enable the coupling of the drive assembly to the desired pump end.



**C-7220 / Drive Assembly**



## THE WATERAX SERIES

**WATERAX** carries on its mission to provide powerful, renowned engineered pumps trusted by the wildland firefighting community for generations. Our pumps are as tested and proven as the men and women who use them every day.

### MARK-3<sup>®</sup> SERIES

The 4-stage detachable pump end patentend in 1958 gave birth to the iconic **MARK-3<sup>®</sup>**. Since WAJAX first introduced the **MARK-3<sup>®</sup>** in 1964, it has been the standard wildland portable fire pump used by forestry agencies around the world. A truly outstanding and reliable performer, the **MARK-3<sup>®</sup>** fire pump is designed to withstand the rigors of firefighting and it is the core of most water delivery systems in wildland operations.



### BB-4<sup>®</sup> SERIES

The **BB-4<sup>®</sup>** Series is a full line of high-pressure centrifugal pumps that has been used by forest agencies for over 40 years in Type 6 brush trucks. It has become the weapon of choice in wildland operations. The **BB-4<sup>®</sup>** comes in portable and vehicle mounted configurations and all models feature a unique greaseless sealed bearing and a blister-resistant mechanical rotary seal. The 4-stage pump end on the **BB-4<sup>®</sup>** is identical to the pump end on the **MARK-3<sup>®</sup>** unit which greatly reduces your spare parts inventory and improves your ability to respond to unforeseen equipment damage.



### BB-4<sup>®</sup> DIESEL

The renowned **BB-4<sup>®</sup>** is now available in Diesel! Strong enough to operate as a source pump for tandem and parallel pumping, it is also optimal for direct attack firefighting, remote watering, sprinkler systems, and is a popular choice for slip-on units.



### B2X<sup>™</sup> SERIES

The **B2X<sup>™</sup>** Series is a full line of mid-range portable pumps that delivers the best performance of its class with minimal operating costs. The **B2X<sup>™</sup>** comes in portable and vehicle mounted configurations and is powered by Briggs & Stratton Vanguard or Honda 4-stroke engines.



### B2X<sup>™</sup> DIESEL

With both strong pressure and volume, it's the ideal pump for vehicle mounted applications dedicated to municipal and wildland urban interface operations. The **WATERAX** quick release clamp provided on the **B2X<sup>™</sup>** pump provides ease of maintenance without having to disassemble the complete pump unit thus significantly reducing equipment downtime.





## VERSAX® SERIES

The **VERSAX®** is a multipurpose self-priming pump. This unit is driven by a 6 HP or 9 HP Honda engine. This workhorse can be used as a portable pump or on a slip-on unit. Its compact design makes it ideal for a variety of applications such as firefighting, tank filling, water transfers and ATV slip-ons.



## RANCHER® SERIES

The **RANCHER™** is a compact and lightweight unit designed for use on ATVs and small utility vehicles. Commonly used in wildland urban interface areas to rapidly access remote areas beyond the reach of standard skid units.

A **RANCHER™** can be used for a variety of water-handling applications such as park and spot fire patrol, prescribed burns, mop-up operations, and general farm and rural community work. It is easy to operate and maintain and can effortlessly slide on and off a vehicle as needed.



## STRIKER™ SERIES

The **STRIKER™** Series is a full line of high-pressure fire pumps powered by Honda 4-stroke engines. Applications include cabin protection, skid units and snow making.



## MINI-STRIKER® SERIES

The **MINI-STRIKER®** pump pairs a reliable single stage pump end with the Honda 4-stroke 2.5 HP engine. Extremely portable and lightweight, this mini powerhouse performs well when used by itself or in tandem with other pumps, and is a very popular choice for entry level skid applications.



## BACKPAX™ SERIES

The **BACKPAX™** Series is a line of backpack pumps that were conceived with the comfort and safety of the user in mind. They come with a rigid or flexible tank and are equipped with an ergonomic and sturdy brass hand pump.





# MARK-3<sup>®</sup>

## SERIES



Since 1964 when the MARK-3<sup>®</sup> was first introduced by WAJAX, after the 4-stage detachable pump end was patented in 1958, it has been the standard wildland portable fire pump used by forestry agencies around the world. A truly outstanding and reliable performer, the MARK-3<sup>®</sup> fire pump is designed to withstand the rigors of firefighting and it is the core of most water delivery system in wildland operations.

Always the benchmark in terms of performance, reliability and durability, the MARK-3<sup>®</sup> benefited from a series of improvements to its key components namely a Nikasil-coated cylinder, an impregnated crankcase and a maintenance-free pump end.

The improved MARK-3<sup>®</sup> successfully passed the USDA Forest Service 100 hours endurance test in San Dimas on 08/04/15 and has been requalified under QPL Number 274-001.

### Applications

- Attack line firefighting
- Long hose lay for remote watering during firefighting operations
- High elevation firefighting in mountainous areas
- High pressure provides accuracy in flow trajectory
- Tandem pumping over long distances
- Parallel pumping for higher volumes

### Features & Benefits

- Quick-release clamp and detachable pump end for minimal equipment downtime and inventory
- Unique blister-resistant mechanical rotary seal to prolong pump end longevity
- Sealed bearing to eliminate pump end greasing in the field
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion







## WHY ARE HIGH-PRESSURE CENTRIFUGAL PUMPS USED TO FIGHT WILDLAND FIRES?

Higher pressure pumps are required by wildland fire fighters for a number of reasons:

First, the greater pressure helps to overcome distance and elevation. It allows for longer hose lays to attack remote and hard to reach areas.

Second, they provide better safety and fire control for the firefighter by providing higher and longer reach of the nozzle stream. The greater pressure also provides for better penetration in thick brush and ground debris.

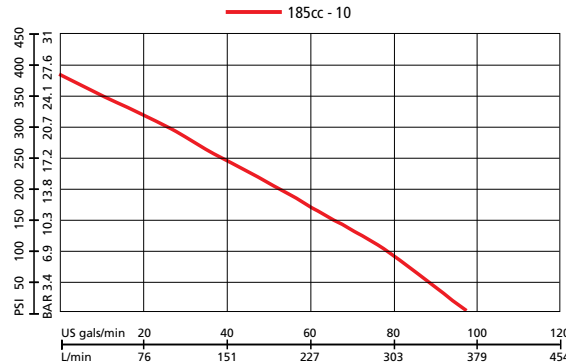
## MARK-3® PORTABLE HIGH-PRESSURE FIRE PUMP

**WATERAX** acquired the intellectual property and the rights to manufacture the durable 185cc engine from ROTAX. We invested heavily in new tooling and major improvements on key engine components in order to make the 185cc engine lighter and more durable.

The **WATERAX** 185cc engine features the following enhancements:

- Nikasil-coated cylinder
- Impregnated crankcase
- Composite cooling fan
- Longer recoil rope

The new Nikasil-coated cylinder is the most significant upgrade on the MARK-3® in years. In addition, **WATERAX** has adjusted its recommended fuel mix ratio to 50:1 synthetic. Please note that the change to the synthetic 50:1 fuel mix ratio is also valid for older MARK-3® equipped with cast iron sleeve cylinders.



Weight: 58 Lbs (27 Kg)  
Engine brand: WATERAX 185cc  
Engine type: Gas 2-Stroke

### Flow rate at specified pressure

Maximum pressure: 380 PSI (26.2 bar)

Free flow: 98 US gals/min (371 L/min)

Maximum head: 878' (268 m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
78	(295)	@	100	(6.9)
65	(246)	@	150	(10.3)
38	(144)	@	250	(17.2)

## WHY IS THE MARK-3® POWERED BY A 2-STROKE ENGINE?

When fires occur in remote areas such as in wildland forests and mountainous areas, the unmatched power-to-weight ratio of a two-stroke engine provides for a powerful yet lighter and more compact unit. This is critical for quick response, quick relocation, and quick movement of the unit without slowing down or tiring a firefighter.



## WHEN YOU'RE HERE, THERE'S NO ROOM FOR COMPROMISE. YOU CAN TRUST THE MARK-3® TO MOVE WATER

Trusted in the wildland firefighting community for generations.





# BB-4<sup>®</sup> SERIES



The BB-4<sup>®</sup> Series is a full line of high-pressure centrifugal pumps that has been used by forest agencies for over 40 years in Type 6 brush trucks. It has become the weapon of choice in wildland operations. The BB-4<sup>®</sup> comes in portable and vehicle-mounted configurations and all models feature a unique greaseless sealed bearing and a blister-resistant mechanical rotary seal. A unique feature of the BB-4<sup>®</sup> pump is the quick release pump end that is interchangeable with the MARK-3<sup>®</sup> pump, which greatly reduces your spare parts inventory and allows for quick infield swap outs.

## Applications

Slip-on units

- Attack line firefighting
- Long hose lays for remote watering during firefighting operations
- High elevation firefighting in mountainous areas
- High pressure provides accuracy in flow trajectory
- Tandem pumping over long distances
- Parallel pumping for higher volumes

## Features & Benefits

- Quick release clamp and detachable pump end for minimal equipment downtime and inventory
- Unique blister resistant mechanical rotary seal to prolong pump end longevity
- Sealed bearing to eliminate pump end greasing in the field
- Drive assembly for reliable, low maintenance performance
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Fastwire<sup>™</sup> included on all vehicle mounted units.
- EPA certified





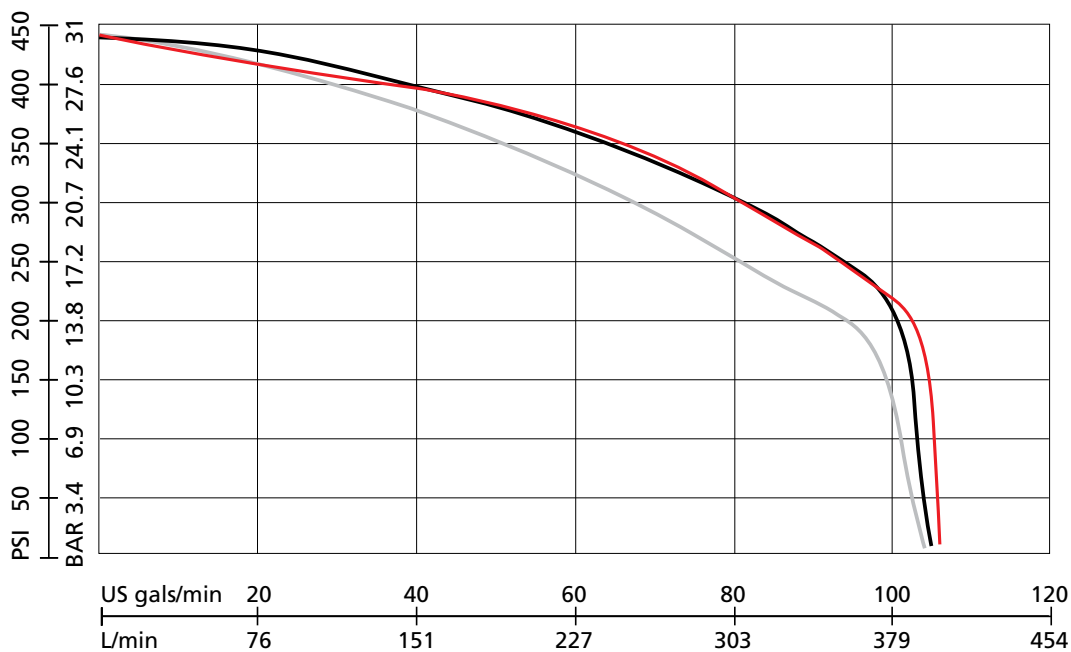
**THE MODEL BB-4® PORTABLE HIGH-PRESSURE FIRE PUMP IS AN IDEAL UNIT FOR ATTACKING FIRES OVER LARGE DISTANCES AND ELEVATIONS, BRUSH TRUCK AND SLIP-ON FIREFIGHTING SYSTEMS IN FORESTRY AND RURAL FIRE ENVIRONMENTS.**

**BB-4-18P**

Also available in Vehicle  
Mounted configuration

**BB-4-21H****BB-4-23VX**

Also available  
in Portable  
configuration



— B&S Vanguard™ - 18



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Briggs & Stratton Vanguard  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 440 PSI (30.3 bar)  
Free flow: 104 US gals/min (394 L/min)  
Maximum head: 1016' (310 m)

— Honda GX630 - 21



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Honda GX630  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 440 PSI (30.3 bar)  
Free flow: 106 US gals/min (401 L/min)  
Maximum head: 1016' (310 m)

— B&S Vanguard™ - 23



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Briggs & Stratton Vanguard  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 440 PSI (30.3 bar)  
Free flow: 106 US gals/min (401 L/min)  
Maximum head: 1016' (310 m)

Flow Rate		Pressure		Flow Rate		Pressure		Flow Rate		Pressure	
US GPM	(LPM)		PSI (BAR)	US GPM	(LPM)		PSI (BAR)	US GPM	(LPM)		PSI (BAR)
100	(379)	@	150 (10.3)	103	(390)	@	150 (10.3)	105	(397)	@	150 (10.3)
80	(303)	@	250 (17.2)	94	(356)	@	250 (17.2)	95	(360)	@	250 (17.2)
50	(189)	@	350 (24.1)	65	(246)	@	350 (24.1)	65	(246)	@	350 (24.1)







# B2X<sup>TM</sup> SERIES



The B2X<sup>TM</sup> Series is a full line of mid-range portable pumps that deliver the best performance of their class with minimal operating costs. The B2X<sup>TM</sup> comes in portable and vehicle mounted configurations and is powered by Briggs & Stratton Vanguard or Honda 4-stroke engines.

Combining both pressure and volume, it's the ideal pump for dual attack lines dedicated to municipal and wildland urban interface operations.

The **WATERAX** quick-release clamp provided on the B2X<sup>TM</sup> pump provides ease of maintenance without having to disassemble the complete pump unit thus significantly reducing equipment downtime.

## Applications

- Vehicle-mounted applications
  - Brush trucks
  - Initial attack units
  - Slip-on units
- Structure protection
- Water transfer
- Boat fire pump
- Dual 1-1/2" attack lines
- 2-1/2" supply line

## Features & Benefits

- Quick-release clamp and detachable pump end for ease of maintenance and minimal equipment downtime
- Heat-resistant and maintenance-free mechanical rotary seal
- Sealed bearing to eliminate pump end greasing in the field
- Drive assembly for reliable, low maintenance performance.
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Fastwire<sup>TM</sup> included on all vehicle mounted units.
- EPA certified





**THE B2X™ IS A VEHICLE-MOUNTED MID-RANGE FIRE PUMP DEDICATED TO WILDLAND AND URBAN INTERFACE OPERATIONS. THE B2X™ DELIVERS THE BEST PERFORMANCE OF ITS CLASS WITH MINIMAL OPERATING COSTS. UNLIKE OTHER PUMPS, THE B2X™ USES A LOW MAINTENANCE DRIVE BELT SYSTEM THAT PROVIDES EFFICIENT AND DEPENDABLE PERFORMANCE. COMBINING BOTH PRESSURE AND VOLUME IT IS IDEAL FOR DUAL ATTACK LINES OPERATIONS, REMOTE WATER TRANSFER AND STRUCTURAL FIREFIGHTING.**



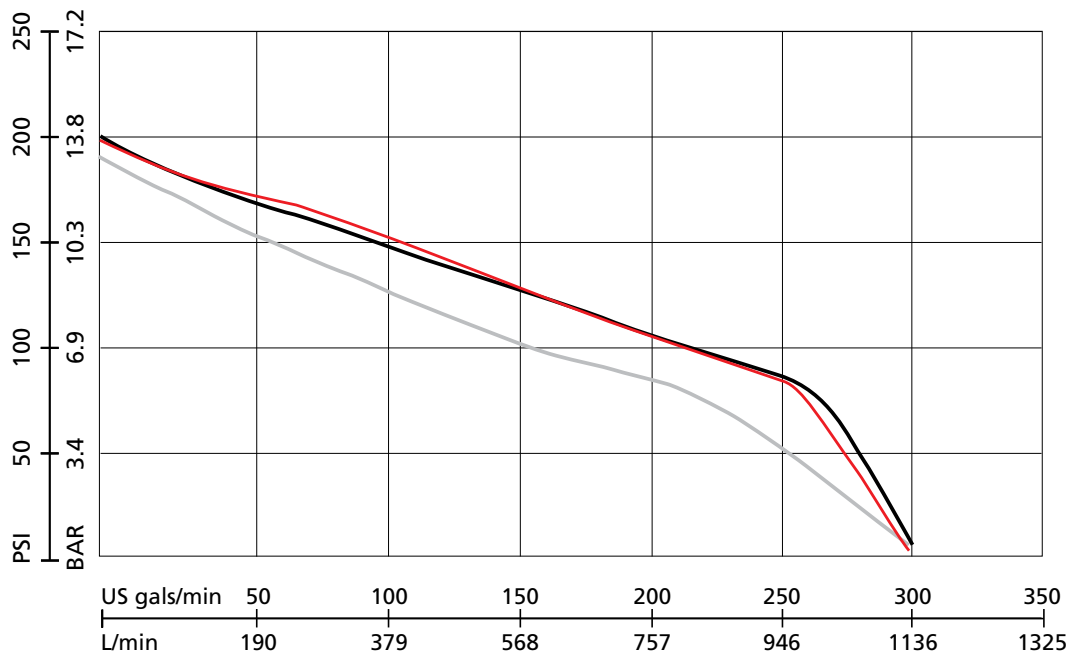
**B2X-18P**  
Also available in  
vehicle-mounted  
configuration



**B2X-21H**



**B2X-23V**  
Also available in  
portable configuration



— B&S Vanguard™ - 18



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Briggs & Stratton Vanguard  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 190 PSI (13.1 bar)  
Free flow: 300 US gals/min (1136 L/min)  
Maximum head: 439' (134 m)

— Honda GX630 - 21



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Honda GX630  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 200 PSI (13.8 bar)  
Free flow: 300 US gals/min (1136 L/min)  
Maximum head: 462' (141 m)

— B&S Vanguard™ - 23



Weight: 153 Lbs (69 Kg) - 169 Lbs (77 Kg)  
Engine brand: Briggs & Stratton Vanguard  
Engine type: Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 200 PSI (13.8 bar)  
Free flow: 300 US gals/min (1136 L/min)  
Maximum head: 462' (141 m)

Flow Rate		Pressure		Flow Rate		Pressure		Flow Rate		Pressure	
US GPM	(LPM)	@	PSI (BAR)	US GPM	(LPM)	@	PSI (BAR)	US GPM	(LPM)	@	PSI (BAR)
255	(965)	@	50 (3.4)	275	(1041)	@	50 (3.4)	285	(1079)	@	50 (3.4)
155	(587)	@	100 (6.9)	215	(814)	@	100 (6.9)	215	(814)	@	100 (6.9)
65	(246)	@	150 (10.3)	112	(424)	@	150 (10.3)	100	(379)	@	150 (10.3)



# BB-4<sup>®</sup>

## DIESEL



The renowned BB-4<sup>®</sup> is now available in Diesel!

The BB-4-D902 pump pairs a reliable high performance 4-stage centrifugal pump end with a powerful Kubota D902 25 HP Diesel Engine. Compatible with Type 4, Type 5 and Type 6 brush trucks, this pump is strong enough to operate as a source pump for tandem and parallel pumping, it is also optimal for direct attack firefighting, remote watering, sprinkler systems, and is a popular choice for slip-on units. The **WATERAX** quick release clamp provided on the BB-4<sup>®</sup> pump lets you replace a damaged pump end in the field with minimal equipment downtime.

The 4-stage pump end on the BB-4<sup>®</sup> is identical to the pump end on the MARK-3<sup>®</sup> unit, which greatly reduces your spare parts inventory and improves your ability to respond to unforeseen equipment damage.

### Applications

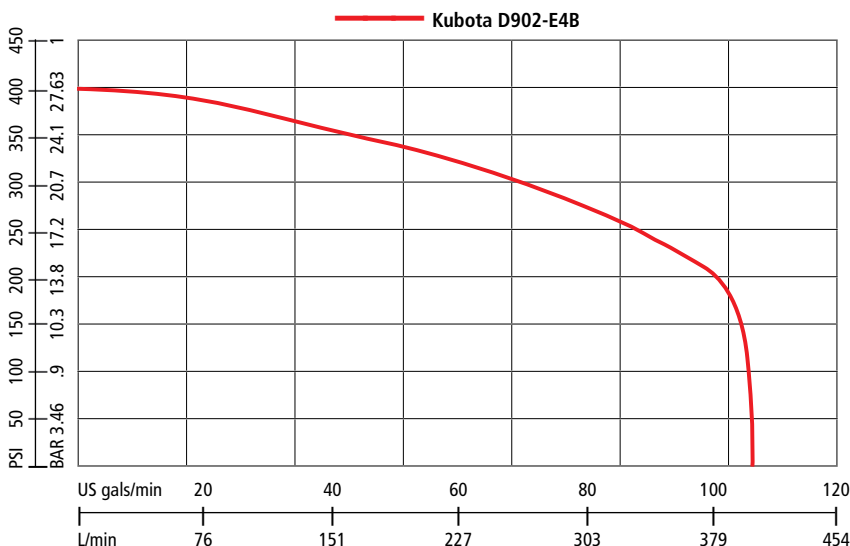
- Brush trucks
- Attack line firefighting
- Long hose lay for remote watering during firefighting operations
- High elevation firefighting in mountainous areas
- High pressure provides accuracy in flow trajectory
- Tandem pumping over long distances
- Parallel pumping for higher volumes

### Features and Benefits

- Quick-release clamp and detachable pump end for minimal equipment downtime and inventory
- Sealed bearing to eliminate pump end greasing in the field
- Belt-drive system for reliable, low maintenance performance
- Aluminium alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- EPA certified
- Unique blister-resistant mechanical rotary seal to prolong pump end longevity

## BB-4-D902

This high-pressure fire pump has been used by forest agencies in Type 6 brush trucks for over 40 years. The BB-4<sup>®</sup> Diesel comes in a horizontal pump drive mount as standard, with a vertical-drive mount optional. It is powered by the Kubota D902 Super Mini-Series 3-cylinder liquid-cooled diesel engine.



Weight: 280 Lbs (127 Kg)  
Engine brand: Kubota D902-E4B  
Engine type: Diesel

### Flow rate at specified pressure

Maximum pressure: 395 PSI (27.2 bar)  
Free flow: 106 GPM (401 lpm)  
Maximum head: 911' (278 m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
106	(401)	@	150	(10.3)
103	(390)	@	250	(17.2)
65	(246)	@	350	(24.1)





# B2X™ DIESEL



The B2X-D902 Diesel unit is a mid-range fire pump ideal for brush trucks used in wildland and urban interface operations.

A combination of pressure and volume makes it the ideal pump for vehicle mounted applications dedicated to municipal and in wildland urban interface areas. The **WATERAX** quick release clamp provided on the B2X™ pump provides ease of maintenance without having to disassemble the complete pump unit thus significantly reducing equipment downtime.

## Applications

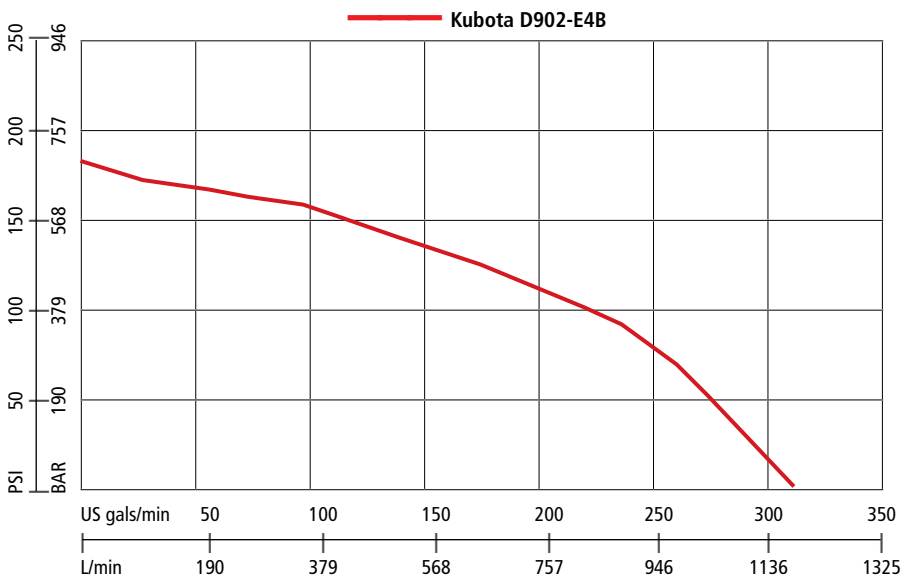
- Vehicle mounted applications
  - Brush trucks
  - Initial attack units
  - Slip-on units
- Structure protection
- Water transfer
- Boat fire pump
- 2x 1-1/2" simultaneous attack lines
- 2-1/2" supply line

## Features and Benefits

- Versatile fire pump offering the firefighting capability, high-pressure hose reel, multiple attack lines, and water transfer capabilities
- Quick-release clamp and detachable pump end for ease of maintenance and minimal equipment downtime
- Belt-drive system for reliable, low maintenance performance
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- EPA certified
- Heat-resistant and maintenance-free mechanical rotary seal

## B2X-D902

The B2X™ Diesel comes in a horizontal pump drive mount as standard with a vertical drive mount optional. It is powered by the Kubota D902 Super Mini-Series 3-cylinder liquid cooled diesel engine.



Weight: 280 Lbs (127 Kg)  
Engine brand: Kubota D902-E4B  
Engine type: Diesel

### Flow rate at specified pressure

Maximum pressure: 180 PSI (12.4 bar)

Free flow: 310 GPM (1173 lpm)

Maximum head: 415' (127 m)

Flow Rate		Pressure		
US GPM	(LPM)	@	PSI	(BAR)
274	(1037)	@	50	(3.4)
220	(833)	@	100	(6.9)
112	(424)	@	150	(10.3)



# VERSAX® SERIES

The VERSAX® is a versatile, rugged, and economical twin impeller self-priming pump powered by a Honda engine for superior water transfer performance as well as the ability to combat fire from a greater distance and at an elevation. The VERSAX® is a multipurpose fire pump that can also be used for other applications such as tank filling, water transfers and as ATV slip-on units.



## Applications

- Firefighting
- Tank filling
- High head general water transfer
- Boom spraying
- Irrigation
- ATV slip-ons

## Features & Benefits

- Twin impeller design provides additional pressure for longer and higher pumping applications
- Pump casing and diffusers manufactured from quality corrosion-resistant grade aluminum for long life
- Nylon glass fiber reinforced impellers are fully corrosion proof and lightweight
- Removable discharge and suction ports
- 3-way discharge port for easy installation
- Powder-coated casing for added corrosion resistance
- Self-priming for more versatile installation options
- Easy access to drain port
- Fastwire™ included on all vehicle mounted units.
- EPA certified



**TABLE OF CONTENT**



## VERSAX®



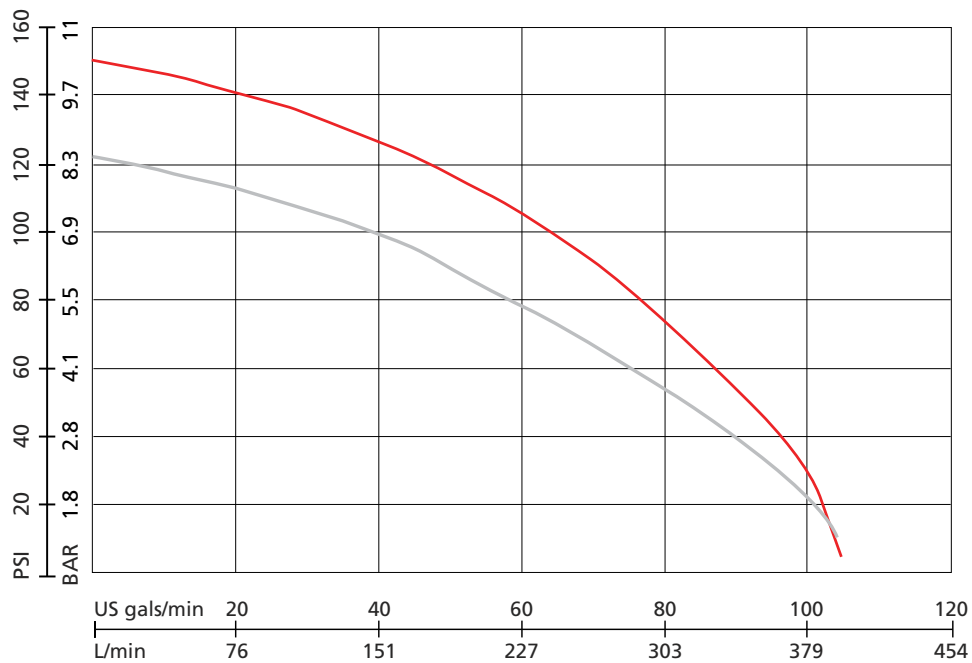
**VS2-6P**  
Also available in  
vehicle-mounted  
configuration



**VS2-9EV**  
Also available in  
portable configuration



**VS2-9EW**  
All VERSAX® models are available with a  
Wrap-Around Frame and as a Cart System



— Honda GX200 - 6

**HONDA**  
**ENGINES**

Weight: 56 Lbs (25 Kg)  
Engine brand: Honda GX200 Series  
Engine type : Gas 4-Stroke

**Flow rate at specified pressure**

Maximum pressure: 120 PSI (8.3 bar)  
Free flow: 105 US gals/min (397 L/min)  
Maximum head: 277' (84 m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
83	(314)	@	50	(3.4)
63	(238)	@	75	(5.2)
38	(144)	@	100	(6.9)

— Honda GX270 - 9

**HONDA**  
**ENGINES**

Weight: 79 Lbs (36 Kg)  
Engine brand: Honda GX270 Series  
Engine type : Gas 4-Stroke

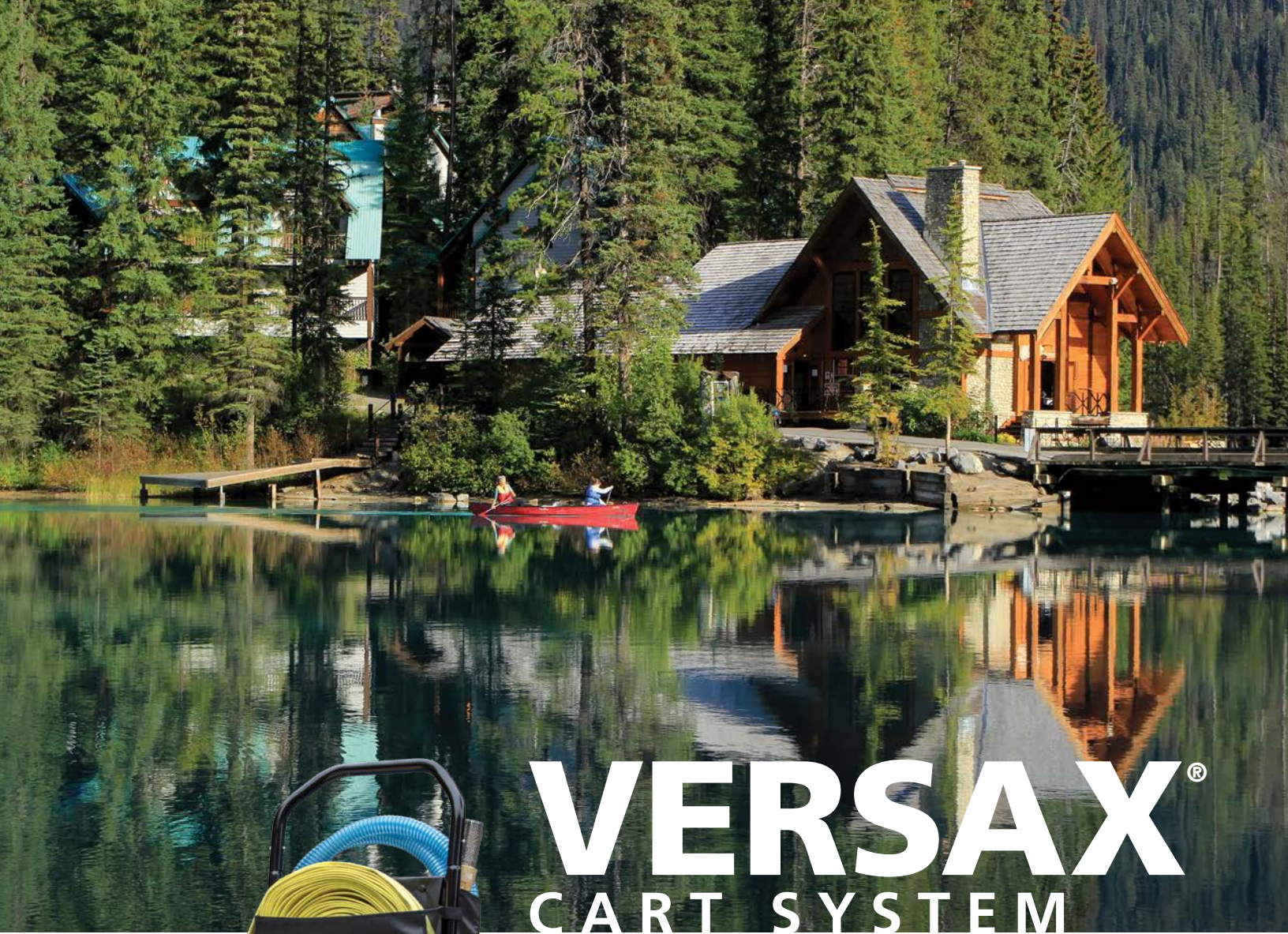
**Flow rate at specified pressure**

Maximum pressure: 150 PSI (10.3 bar)  
Free flow: 105 US gals/min (397 L/min)  
Maximum head: 347' (106 m)

Flow Rate			Pressure	
US GPM	(LPM)		PSI	(BAR)
92	(348)	@	50	(3.4)
80	(303)	@	75	(5.2)
64	(242)	@	100	(6.9)







# VERSAX<sup>®</sup>

## CART SYSTEM



VS2-9EC

Protect your home and property from wildfires with the VERSAX<sup>®</sup> Fire Pump Cart System, fully equipped with professional grade equipment such as HOTLINE<sup>®</sup> forestry hose, a suction hose, a Scotty pistol grip nozzle, a camloc fitting, a foot valve and strainer and a universal Hose Wrench, with a powerful self-priming 2-Stage engine. This home fire pump is simple to set up, operate, easy to maneuver and offers superior performance. You can use this fire pump near a lake or a private pool and when you're done, clean up and storage is effortless.

The VERSAX<sup>®</sup> is a versatile, rugged, and economical twin impeller self-priming pump powered by a Honda 6 HP or 9 HP engine for superior water transfer performance as well as the ability to combat fire from a greater distance and at an elevation.

Having a fire pump accessible at all time means you are ready and equipped.

Stop fire in its tracks and fight fires like the "pros" with the VERSAX<sup>®</sup> Cart System unit. Protect your defensible space and reduce the chances of the fire spreading to neighboring homes or the surrounding forest.

While we do not encourage you to fight a raging fire on your own, you can make a difference with the right plan and the appropriate equipment.

The VERSAX<sup>®</sup> is a multipurpose fire pump that can also be used for other applications such as tank filling, water transfers and on small utility vehicles.







# MINI-STRIKER® SERIES

The MINI-STRIKER® pump pairs a reliable single stage pump end with the Honda 4-stroke 2.5 HP engine. Extremely portable and lightweight, this mini powerhouse performs well when used by itself or in tandem with other pumps, and is a very popular choice for lightweight slip-on units.

## Applications

- Lightweight slip-on units
- Attack-line firefighting
- Sprinkler operations
- Cottage protection
- Foam applications

## Features and Benefits

- Lightweight and compact
- Reliable 4-stroke Honda engine
- Available in portable and vehicle mounts
- Integral fuel tank
- Forest Service approved spark arrestor
- EPA certified



## MINI-STRIKER® LIGHTWEIGHT HIGH-PRESSURE FIRE PUMP

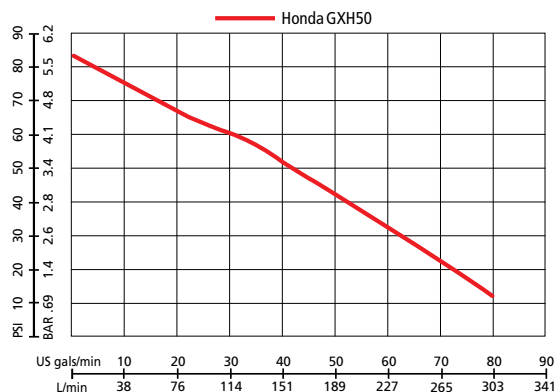
The MINI-STRIKER® pump is driven by a Honda 4-stroke 2.5 HP engine. It ensures quality, reliability, and durability while the non-corrosive piping makes for an enduring robust plumbing system.



**MSTR-P**  
Portable



Also available  
**MSTR-V** Vehicle Mount



## HONDA ENGINES

Weight: 20 lbs (9 kg)  
Engine brand: Honda GXH50 Series  
Engine type: Gas 4-stroke

### Flow rate at specified pressure

Maximum pressure: 85 PSI (5.9 bar)  
Free flow: 80 US gals/min (303 L/min)  
Maximum head: 196' (60 m)

Flow Rate		Pressure		
US GPM	(LPM)	@	PSI	(BAR)
68	(257)	@	25	(1.7)
42	(159)	@	50	(3.4)
12	(45)	@	75	(5.2)





# RANCHER® SERIES



The RANCHER®, now featuring a Hannay Hose Reel, is a compact and lightweight unit designed for use on ATVs and small utility vehicles. Commonly used in wildland urban interface areas to rapidly access remote areas beyond the reach of standard skid units.

A RANCHER® can be used for a variety of water-handling applications such as park and spot fire patrol, prescribed burns, mop-up operations, and general farm and rural community work. It is easy to operate and maintain and can effortlessly slide on and off a vehicle as needed.

## Applications

- Attack line firefighting
- Park and spot fire patrol
- Prescribed burns
- Mop-up operations
- Rapid interventions in remote areas
- General farm and rural community work

## Features & Benefits

- Turnkey solution ready to deploy and operate
- Easy to operate and maintain
- Compact and lightweight ideal for rapid intervention
- Can slide on and off a vehicle as needed
- Robust base with rails and cut-outs for easy lifting
- Optional foam capability
- Optional canvas cover for unit protection during transport and storage







"Firefighters and rescue squads demand fire rescue equipment that can deliver top performance under extreme conditions day after day. Hannay Reels designs and constructs hose reels and cable reels that are durable, dependable, and outperform every other brand." - Hannay Reels



#### RANCHER 65 GALLONS

Dry Weight: 159 lbs (72 kg)  
Wet Weight: 702 lbs (318 kg)  
L x W x H: 51" x 42" x 37"  
Powered by a MINI-STRIKER®  
Engine Brand: Honda GXH50 Series  
Engine Type: Gas 4-Stroke

#### Flow rate at specified pressure

Maximum Pressure: 85 PSI (5.9 bar)  
Maximum Flow: 80 US gals/min (303 L/min)  
Maximum Head: 196' (60 m)

#### RANCHER 125 GALLONS

Dry Weight: 202 lbs (92 kg)  
Wet Weight: 1245 lbs (564 kg)  
L x W x H: 42.5" x 44" x 28"  
Powered by a MINI-STRIKER®  
Engine Brand: Honda GXH50 Series  
Engine Type: Gas 4-Stroke

#### Flow rate at specified pressure

Maximum Pressure: 85 PSI (5.9 bar)  
Maximum Flow: 80 US gals/min (303 L/min)  
Maximum Head: 196' (60 m)



Having a fire pump and a unit with water accessible at all time means you are ready and equipped. Protect your defensible space and reduce the chances of the fire spreading to/from neighboring homes or the surrounding forest. It is a pro-active measure and a value-added tool to complement FireSmart and Firewise® principles. This equipment is suitable for rapid interventions were you can control a small fire on a property before the firefighters get there.



Protect your home and property by using water or foam to fight a structural fire or a wildfire. While we do not encourage you to fight a raging wildfire on your own, you can make a difference with the right plan and the appropriate equipment.

Available in 65 gallons (246 L) or 125 gallons (473 L)







# STRIKER<sup>®</sup> SERIES

The STRIKER™ Series is a full line of high-pressure fire pumps powered by Honda 4-stroke engines. Applications include cabin protection, skid units and snow making.



## Applications

- Attack-line firefighting
- Long hose lay for remote watering during firefighting operations
- High-elevation firefighting in mountainous areas
- Tandem pumping over long distances
- Parallel pumping for higher volumes
- Slip-on units
- Snow making

## Features & Benefits

- Quick-release clamp and detachable pump end for minimal equipment downtime and inventory and easy infield pump end replacement
- Unique blister-resistant mechanical rotary seal to prolong pump end longevity
- Sealed bearing to eliminate pump end greasing in the field
- Belt-drive system for reliable, low maintenance performance
- Aluminum alloy pump components and anodized parts for lighter weight and greater resistance to corrosion
- Fastwire™ included on all vehicle mounted units\*.
- EPA certified





## STRIKER-2

### High-Pressure 2-Stage Fire Pump

The **WATERAX** STRIKER-2 also known as STRIKER-II Plus® pump, pairs a reliable 2-stage pump end with a Honda 4-stroke engine. It can be used by itself, in tandem or in parallel with other **WATERAX** pumps, and is also a very popular choice for slip-on applications.



**STR2-13P**  
Also available in  
vehicle-mounted  
configuration

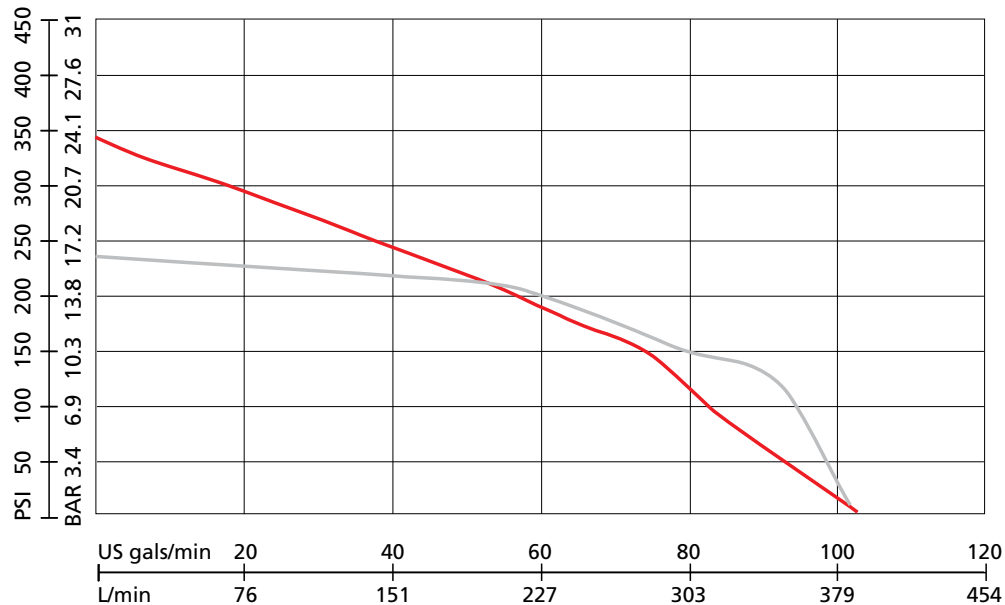
## STRIKER-3

### High-Pressure 3-Stage Fire Pump

The **WATERAX** STRIKER-3 also known as ULTRAstriker is a vehicle mounted fire pump that is built on the same platform as the BB-4®. It is composed of interchangeable parts with the MARK-3® and BB-4®. The STRIKER-3 provides additional pressure useful to overcome longer distance and elevation. It can be used by itself, in tandem or in parallel with other **WATERAX** pumps, and is also a very popular choice for slip-on applications.



**STR3-13V**  
Also available  
in portable configuration



— Honda GX390

**HONDA**  
ENGINES

Weight: 127 Lbs (58 Kg)  
Engine brand: Honda, GX390 Series  
Engine type: Gas 4-Stroke

#### Flow rate at specified pressure

Maximum pressure: 230 PSI (15.9 bar)  
Free flow: 105 US gals/min (397 L/min)  
Maximum head: 531' (162 m)

Flow Rate		Pressure	
US GPM	( LPM )	PSI	( BAR )
97	( 367 )	@	100 ( 6.9 )
80	( 299 )	@	150 ( 10.3 )
58	( 220 )	@	200 ( 13.8 )

— Honda GX390

**HONDA**  
ENGINES

Weight: 129 Lbs (59 Kg)  
Engine brand: Honda, GX390 Series  
Engine type: Gas 4-Stroke

#### Flow rate at specified pressure

Maximum pressure: 345 PSI (23.8 bar)  
Free flow: 102 US gals/min (386 L/min)  
Maximum head: 797' (243 m)

Flow Rate		Pressure	
US GPM	( LPM )	PSI	( BAR )
87	( 329 )	@	100 ( 6.9 )
75	( 284 )	@	150 ( 10.3 )
40	( 151 )	@	250 ( 17.2 )





# BACKPAX<sup>®</sup>

## SERIES



The BACKPAX™ Series is a line of backpack pumps that were conceived with the comfort and safety of the user in mind. They come with a rigid or flexible tank and are equipped with an ergonomic and sturdy brass hand pump.

The backpack hand pump is a valuable tool that is used in many fire situations such as initial attack, hot spotting and mop-up operations. They are easy to operate, repair and maintain without the use of any tools. A variety of backpacks are available to suit different circumstances and needs.

### Applications

- Hot spotting
- Mop-up
- Prescribed-burn operations
- Campsite protection
- Industrial operations

### Features & Benefits

- Durable brass elbow fitting for hose connection to tank
- Carry handle also functions as storage for the pump
- Comfortable shoulder straps
- Resistant to UV and ozone

**WATERAX** has been manufacturing firefighters with backpack hand pumps for over half a century. These units are critical to fighting brush, grass, and rubbish fires as well as hot spotting and mop-up operations for forest fires. They are also very useful for overhauling in structure fires. Firefighters choose **WATERAX** backpack hand pumps because they are designed with user safety in mind and with the quality and durability that it takes to get the job done effectively. Our backpack hand pumps have evolved over the years to include the latest and greatest features in order to carry on the legacy of equipping our firefighters with the nothing but the best.



## OT-4NX POLY BACKPACK WITH BRASS HAND PUMP



The OT-4NX is a modernized poly backpack pump that was conceived with the comfort and safety of the user in mind. The tank is made of lightweight yet rugged UV-resistant polyethylene making it easier to carry without compromising on durability. User-centric design can be seen in the sleek contours of the tank, the integrated lumbar support, and the comfortable shoulder straps. The robust carrying handle makes for easy lifting and also serves as a port where the hand pump can be neatly docked. The large diameter filler neck allows convenient filling, cleaning access, and features a filler strainer to capture and prevent unwanted particles from entering the hand pump's water supply.

The brass hand pump design features a forward grooved hand grip, a robust D-ring for clipping to the shoulder straps, and a rear pistol grip that makes operating the hand pump easier on the wrist and requires less effort than standard hand pumps.

Capacity : 5.3 US gal (20 L)  
Dry weight : 8.5 lbs (2.8 kg)  
Wet weight : 52.6 lbs (23.9 kg)

### Product Features

#### Tank:

- Made of UV and corrosion-resistant polyethylene
- Integrated lumbar support
- Carry handle also functions as storage for the pump
- Water level indicators (US Gallons & Liters)

## HPC-X BRASS HAND PUMP

The HPC-X brass hand pump design features a forward grooved hand grip and a rear pistol grip that makes operating the hand pump easier on the wrist and requires less effort than standard hand pumps. It is easy to maintain and can be repaired in-field. It includes a locking mechanism to prevent drag, extension by gravity, and water loss through dripping. The combination tip allows for quick change from spray to straight stream without any tools.



### Features and Benefits

- All brass and stainless steel construction
- Sturdy and ergonomic nylon rear pistol grip
- Grooved forward rubber grip
- Dual nozzle: stream/spray
- Field repairable
- Locking feature
- D-ring for clipping to shoulder straps
- Ambidextrous

## HPO-2X COLLABSIBLE BACKPACK WITH BRASS HAND PUMP



The HPO-2X is a rugged collapsible backpack made of durable nylon fibrecoated with neoprene. The neoprene bag is UV resistant and fireproof. It also offers exceptional abrasion resistance and can easily be repaired in the field with standard tire patches.

The brass hand pump design features a forward grooved hand grip and a rear pistol grip that makes operating the hand pump easier on the wrist and requires less effort than standard hand pumps.

Capacity : 5 US gal (19 L) Dry  
Dry weight : 5 lbs (2.2 kg)  
Wet weight : (2.2 kg)

### Product Features

- Made of nylon fiber coated with Neoprene
- Excellent abrasion resistance and in-field repairable
- Fire resistant
- Resistant to oil and gasoline
- Collapsible for space saving



## TOOL KIT

### A-2388 PUMP TEST KIT

#### PART NO. 250137

For testing **WATERAX** centrifugal high-pressure fire pump units models: MARK-3®, MINI-STRIKER®, VERSAX®, STRIKER-2, STRIKER-3 and BB-4® or other pumps requiring evaluation. Can be purchased separately or as a kit consisting of:

ID	NO	DESCRIPTION	QTY
-	250137	A-2388 PUMP TEST KIT	-
1	700555	A-2389 TOOL AND ACCESSORY BOX	1
2	700548	A-2395B CALIBRATED NOZZLE TIP 1/4"	1
3	700546	A-2395D CALIBRATED NOZZLE TIP 3/8"	1
4	600427	C-1933 NOZZLE 1-1/2" NPSH, ALU.	1
5	700545	A-2391 RUBBER HOSE ASSEMBLY 27" LG	1
6	700552	A-2391B ADP, FEM NPT - SWIVEL FEM	1
7	700560	A-2392 PRESSURE GAUGE (DRY) 0-400 PSI	1
8	600061	A-2390 PRESSURE GAUGE ADAPTOR 1-1/2" NPSH	1
9	400022	HOSE SPEC 187 1.5 NPSH X 10" CPLG AL	1



### A-2356 TOOL KIT FOR WATERAX PUMP ENDS (12-16S, 18-16S, 25-16S)

#### PART NO. 250125

ID	NO	DESCRIPTION	QTY
-	250125	A-2356 TOOL KIT FOR PUMP END XX-16	-
1	700588	A-5297 SUPPORT TOOL	1
2	600078	A-1887 ALUMINUM GUIDE FOR SHAFT INSTALLATION	1
3	600157*	R-938 PULLER, CRANKSHAFT BEARING 1-PIECE	1
4	600175**	R-904L SPARK PLUG WRENCH C/W ROD	1
5	600079	A-1888 PULLER FOR SUCTION COVER, ALU. & PLATED	1
6	600052	B-4084 PUMP BEARING PRESSING SLEEVE	1
7	700531	A-4329 PRESSING SLEEVE ROTARY SEAL	1
8	700532	A-4097 PROTECTOR SHAFT	1
9	700642	A-7711 SEAL REMOVAL PRESS TOOL, 12-28N	1
10	700090	A-7644 SEAL PULLER FOR 12-28NS	1
11	700540	A-1884 PRESSING SLEEVE DISTRIBUTOR	1
12	701345	PRESS PIN REMOVAL TOOL PUMP PARTS DIA .686	1
13	600077	A-1886 PRESS PIN REMOVAL TOOL PUMP PARTS DIA .925"	1



\*600157 now replaces 600123 (B-4085)

\*\*600175 contains 800084 (R-904) and 800082 (R-905)



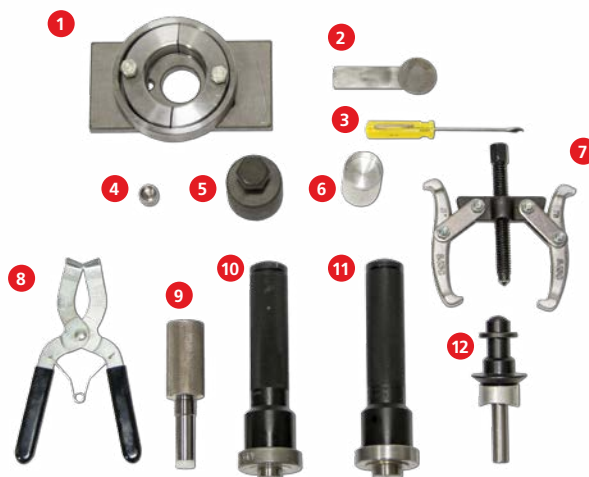




## R-952N TOOL KIT FOR MARK-3® ENGINE

PART NO. 250286

ID	NO	DESCRIPTION	QTY
-	250286	R-952N TOOL KIT FOR MARK-3® ENGINE	-
1	600157	R-938 PULLER, CRANKSHAFT BEARING 1-PIECE	1
2	600164	R-953 CRANKSHAFT JACK	1
3	701352	CIRCLIP REMOVAL TOOL FOR 185CC	1
4	800080	R-928 PROTECTOR CAP, SHAFT 12MM	1
5	700723	R-927 PULLER - MAGNETO (M38 X 1.5)	1
6	600161	R-933 OIL SEAL - PRESSING TOOL	1
7	700707	R-932 PULLER, COLLAR COUPLING	1
8	701343	PISTON RING INSTALLER	1
9	701159	PISTON LOCKING TOOL FOR 185CC	1
10	701349	SEAL INSTALLER 20MM FOR 185CC	1
11	701350	SEAL INSTALLER 25MM FOR 185CC	1
12	701351	CIRCLIP INSTALLER TOOL FOR 185CC	1



## R-900 TOOL KIT FOR MARK-3® PUMP

PART NO. 250158

The new MARK-3® comes with a Maintenance-Free sealed bearing

ID	NO	DESCRIPTION	QTY
-	250158	R-900 TOOL KIT FOR MARK-3® PUMP	-
1	800081	R-908 WRENCH - OPEN END 5 & 8 MM	2
2	700541	A-3023 CARBURETOR ADJUSTING TOOL	1
3	800492	R-902 SCREWDRIVER 1/8" BLADE	1
4	700539	271-928 6 MM T-HANDLE HEX 10.5" LG	1
5	800084	R-904 WRENCH - SPARK PLUG	1
6	800082	R-905 HANDLE - ROD	1
7	700732	R-903 FEELER GAUGE 32 BLADES	1
8	800700	271-346 SCREWDRIVER FLAT 1/4" X 4"	1
9	700538	271-923 WRENCH - ADJUSTABLE 8"	1
10	700726	R-910 WRENCH - OPEN END 1/2" & 9/16"	1
11	600153	R-911M WRENCH, BOX & OPEN END 13 MM	1
12	600160	R-906M WRENCH, BOX & OPEN END 10 MM	1
13	700537	271-488 TOOL ROLL BAG	1
-	700734*	PART-117 GREASE GUN U.S. STYLE	-



\*Grease gun no longer included in tool kit. Can be ordered separately.



## FUEL TANK ACCESSORIES FOR THE MARK-3®

### METAL JERRY CAN

#### MODEL NO. FA-352GSA-N

Heavy-duty construction throughout, this pick-up portable unit has no petcock or other cumbersome protrusions. Its self-sealing quick coupler enables gasoline line to be changed from one can to another in seconds. 5 US gals (18.9 L). US Forest Service approved. NSN 7240-01-044-5523

#### Options

**12-401B** 5' (1.5 m) fuel supply hose with priming bulb and SAE swivel female connectors

**R-1206A-GSA** 12-401B with B-7527 Male plug with o-rings NSN 4210-00-568-9904



FA-352GSA-N  
shown with optional  
fuel line R-1206A-GS

### AIR TRANSPORT FUEL TANK

#### MODEL NO. FA-552Q

Tough, lightweight, and rust proof with its unique and integrated fuel supply adaptor, this container meets the rigid US Military and UN standards (certification #MIL-C-53109). It is the only container to be registered by Transport Canada for UN performance packaging (certification #UN 3H1 / Y1.0/200 / yy / Can / Spr 2 456 / 2.3mm). Seamless all-plastic material, permanently "Olive Drab" colored finish. 5.3 US gals (20 L). Includes inner filter and ball type 1/4-turn fuel supply adaptor **B-7462**.

**Approved for air transport via rotary or fixed wing aircraft.**

#### Options

**12-401B-NS** 51" (1.3 m) fuel supply hose with priming bulb

**R-712** 1/4-turn handle

**R-732** Connector

**A-7487** Fuel dust cap



FA-552Q shown with optional (12-401B-NS)  
fuel supply hose with priming bulb and  
optional (R-712) 1/4-turn handle.

### MARINE FUEL TANK

#### MODEL NO. FA-452 / FA-452-3

The slim design of this marine fuel tank allows storing standing up or lying down. Comes with a standard fuel gauge. UL and CSA standards certification for portable marine fuel tanks. High-density polyethylene, permanently red colored. Capacity of 6.6 US gals (25 L) or 3.2 US gals (12 L).

#### Options

**12-401B-NS** 51" (1.3 m) fuel supply hose with priming bulb

**R-712** 1/4-turn handle

**R-732** Connector

**A-7487** Fuel dust cap



FA-452 shown with fuel supply hose with priming  
bulb and handle quick-connect 12-401B-NS and  
optional (R-712) 1/4-turn handle.



## WATERAX COMPONENTS FOR FIRE APPARATUS BUILDERS



**WATERAX** offers a series of components tailored to OEM's who manufacture brush trucks, slip-ons, sprinkler systems and fire apparatus. Designed and manufactured with the same high quality standards, these components are the perfect complement to your **WATERAX** pumps: Our control panels are all equipped with a plug and play FastWire™ system for installation and to ensure flawless performance of your pump unit.

We also offer a Low Pressure Protection (LPP) system that protects your pump end against costly damages caused by running dry.

Reliable and durable control panels especially designed to easily operate **WATERAX** vehicle mounted pumps.

### MCP

#### MINI CONTROL PANEL

Designed for Apparatus Builders who want a cost effective remote mounted solution, the Mini Control Panel offers all the basic functionality including a vernier throttle, low oil light, choke cable, pressure gauge, and Low Pressure Protection system.

**Enclosure:** Steel, powder coated black

**Throttle control:** Vernier throttle with red emergency throttle idle push button

**Choke control:** Push/Pull engine choke cable

**Master:** Toggle switch

**Engine start:** Push button

**Pressure gauge:** Dual unit 0-600 PSI/0-4000 kilopascals 2.5" dial

**Low oil alert:** LED, red

**FastWire CTRL cable:** Quick-Connect 8-pin female industrial sealed connector





## PMSCP

### PANEL MOUNT STANDARD CONTROL PANEL

Designed for Apparatus Builders who want to integrate their control panel into their fire apparatus panel enclosure, the Panel Mount Standard Control Panel is the ideal solution. It also comes with a provision for a primer, and an optional Low Pressure Protection, Glow Plug Timer and a High Water Temperature Warning light are available on the PMSCP-DIESEL.



**Enclosure:** Black anodized aluminum

**Throttle control:** Vernier throttle with red emergency throttle idle push button

**Choke control:** Push/Pull engine choke cable

**Master:** LED, Stainless steel toggle button

**Engine start:** Stainless steel push button

**Pressure gauge:** Compound -30 in Hg - 0 - 600 psi, 2.5" dial

**Low oil alert:** Daylight visible LED, red

**FastWire CTRL cable:** Quick-Connect 8-pin female industrial sealed connector

## WCP

### WATERAX CONTROL PANEL

Designed for Apparatus Builders who want a complete remote-mounted solution, the **WATERAX** Control Panel offers a maximum of features, namely an hour meter, a large pressure gauge, an energy efficient LED panel light, an Low Pressure Protection system and optional level monitors, LED work light and electric primer.



**Enclosure:** Stainless steel, closed, w/ protective handles

**Throttle control:** Vernier throttle with red emergency throttle idle push button

**Choke control:** Push/Pull engine choke cable

**Master:** Toggle switch with flip switch protector

**Engine start:** Push button






**Pressure gauge:** Compound -30 in Hg - 0 - 600 psi, 4" dial

**Low oil alert:** Daylight visible LED, red

**FastWire CTRL cable:** Quick-connect 8-pin female industrial sealed connector



## KITS & ACCESSORIES

PRIMER KIT	FOAM KIT
 <p><b>GZPRIMERKIT</b> Guzzler Hand Primer with hose &amp; valve</p>  <p><b>EPRIMERKIT</b> Electric Primer w/ plate, 5' harness &amp; switch</p>	 <p><b>FOAMKIT</b> Scotty eductor w/ bracket &amp; plumbing</p>
FASTWIRE CABLES	ELECTRIC KIT
 <p><b>FWX-3</b> 3' CTRL Cable extension w/ two 8 pin connectors</p>  <p><b>FWX-D902-3</b> 3' CTRL Cable extension w/ two 14 pin connectors</p>  <p><b>FWP-20</b> 20' PWR Cable w/ lugs &amp; Anderson connector for connecting the pump directly to a vehicle battery</p>  <p><b>FWP-9</b> 9' PWR Cable w/ lugs &amp; Anderson connector to connect the battery kit to the pump. Included in BATKIT-66</p>  <p><b>FWP-3</b> 3' PWR cable w/ lugs &amp; Anderson connector to connect the battery kit or battery cable on a unit that is not equipped with a WCP control panel</p>	 <p><b>BATKIT-66</b> 12 V, 66ah Deep Cycle Battery Kit w/ FWP-9 cable, Vehicle mount</p>  <p><b>BATKIT-20-P</b> 12V 20ah Battery Kit, Portable</p>  <p><b>WLIGHTKIT</b> LED Work Light w/ 5' harness &amp; toggle switch</p>

## TOWER MANIFOLD

The Tower Manifolds allow for compact efficient design of plumbing where water circuits are centralized and easily identifiable. Available in two formats, they are made of durable stainless steel material with an electro-polished finish. The discharge manifolds are ideal when assembling brush trucks and skid units which make use of victaulic couplings to dampen vibrations and to facilitate in the field maintenance.



### TWR MNFLD-1515:

- Fully Stainless Steel – Electro Polished
- 1 X 2" Victaulic Inlet
- 3 X 1-1/2" Male NPT Discharges
- 3 X 1" Male NPT Discharges
- 1 X 3/4" Female NPT Port
- 3 X 3/8" Female NPT Ports



### TWR MNFLD-1520:

- Fully Stainless Steel – Electro Polished
- 1 X 2" Victaulic Inlet
- 1 X 2" Male NPT Discharge
- 2 X 1-1/2" Male NPT Discharges
- 3 X 1" Male NPT Discharges
- 1 X 3/4" Female NPT Port
- 3 X 3/8" Female NPT Ports





## PORTABLE FIRE PUMPS - PUMP OVERVIEW

PUMP	WEIGHT	FUEL	ENGINE	STROKE	PUMP END	STAGE	SUCTION DISCHARGE	MAXIMUM PRESSURE	FREE FLOW	MAXIMUM HEAD	SEGMENT
MARK-3	58 Lbs (27 Kg)	Gas/Oil 50:1	WATERAX 10HP	2	12-16S	4-Stage	2" NPSH 1.5" NPSH	380 PSI 26.2 BAR	98 US GPM 371 L/M	878' 268 M	Backpackable High Pressure
BB-4-18	153 Lbs (69 Kg)	Gas	B&S 18 HP	4	12-16S	4-Stage	2" NPSH 1.5" NPSH	440 PSI 30.3 BAR	104 US GPM 394 L/M	1016' 310 M	High Pressure
BB-4-21	169 Lbs (77 Kg)	Gas	HONDA 21 HP	4	12-16S	4-Stage	2" NPSH 1.5" NPSH	440 PSI 30.3 BAR	106 US GPM 401 L/M	1016' 310 M	High Pressure
BB-4-23	156 Lbs (71 Kg)	Gas	B&S 23 HP	4	12-16S	4-Stage	2" NPSH 1.5" NPSH	440 PSI 30.3 BAR	106 US GPM 401 L/M	1016' 310 M	High Pressure
BB-4-D902	280 Lbs (127 Kg)	Diesel	Kubota 25 HP	4	12-16S	4-Stage	2" NPSH 1.5" NPSH	395 PSI 27.2 BAR	106 US GPM 401 L/M	911' 278 M	High Pressure
STRIKER-3	129 Lbs (59 Kg)	Gas	HONDA 13 HP	4	18-16S	3-Stage	2" NPSH 1.5" NPSH	345 PSI 23.8 BAR	102 US GPM 386 L/M	797' 243 M	High Pressure
STRIKER-2	127 Lbs (58 Kg)	Gas	HONDA 13 HP	4	25-16S	2-Stage	2" NPSH 1.5" NPSH	230 PSI 15.9 BAR	105 US GPM 397 L/M	531' 162 M	High Pressure
B2X-18	153 Lbs (69 Kg)	Gas	B&S 18 HP	4	B2X	2-Stage	3" NPT / 4" VIC 2.5" NPT / 3" VIC	190 PSI 13.1 BAR	300 US GPM 1136 L/M	439' 134 M	Mid-Range
B2X-21	169 Lbs (77 Kg)	Gas	HONDA 21 HP	4	B2X	2-Stage	3" NPT / 4" VIC 2.5" NPT / 3" VIC	200 PSI 13.8 BAR	300 US GPM 1136 L/M	462' 141 M	Mid-Range
B2X-23	156 Lbs (71 Kg)	Gas	B&S 23 HP	4	B2X	2-Stage	3" NPT / 4" VIC 2.5" NPT / 3" VIC	200 PSI 13.8 BAR	300 US GPM 1136 L/M	462' 141 M	Mid-Range
B2X-D902	280 Lbs (127 Kg)	Diesel	Kubota 25 HP	4	B2X	2-Stage	3" NPT / 4" VIC 2.5" NPT / 3" VIC	180 PSI 12.4 BAR	320 US GPM 1211 L/M	415' 127 M	Mid-Range
VERSAX-6	56 Lbs (25 Kg)	Gas	HONDA 6.5 HP	4	—	2-Stage	2" NPT 2x 1", 1.5" NPT	120 PSI 8.3 BAR	105 US GPM 397 L/M	277' 84 M	Self-Priming Multipurpose
VERSAX-9	79 Lbs (36 Kg)	Gas	HONDA 9 HP	4	—	2-Stage	2" NPT 2x 1", 1.5" NPT	150 PSI 10.3 BAR	105 US GPM 397 L/M	347' 106 M	Self-Priming Multipurpose
MINI STRIKER	19 Lbs (9 Kg)	Gas	HONDA 2.5 HP	4	—	1-Stage	1.5" NPSH 1.5" NPSH	85 PSI 5.9 BAR	80 US GPM 303 L/M	196' 60 M	Lightweight High Pressure







# PUMP MODEL SELECTOR

## B2X - 18

## P

## XTC

SERIES

ENGINE

CONFIGURATION

OPTIONS

SELECTOR	SERIES		
ID	SEGMENT	MODEL	# STAGE
B2X	Mid-Range	B2X	2-Stage
BB-4	High Pressure	BB-4	4-Stage
STR3	High Pressure	STRIKER-3	3-Stage
STR2	High Pressure	STRIKER-2	2-Stage
MSTR	Lightweight High Pressure	MINI-STRIKER	1-Stage
VS2	Self-Priming Multipurpose	VERSAX	2-Stage

SELECTOR	ENGINE		
ID	BRAND	MODEL	POWER
—	Honda	GHX50	2.5 HP
6	Honda	GX200	6 HP
9	Honda	GX270	9 HP
9E	Honda	GX270E	9 HP
13	Honda	GX390	13 HP
18	B&S	VANGUARD 18	18 HP
21	Honda	GX630	21 HP
23	B&S	VANGUARD 23	23 HP
D902	Kubota	D902	25 HP

SELECTOR	CONFIGURATION		
ID	TYPE	FRAME	DRIVE ORIENTATION
P	Portable	Carry Frame / Handle	Vertical
V	Vehicle Mount	Base Mount	Vertical
H	Vehicle Mount	Base Mount	Horizontal
W	Portable	Wrap-Around Frame	-
C	Portable	Cart System	-

SELECTOR	OPTIONS
ID	DESCRIPTION
C	Engine Mount Control Panel
T	Fuel Tank
X	Exhaust Primer
E	Electric Package
S	Special

Valid for all pump units, excluding the 2-stroke MARK-3 Series.

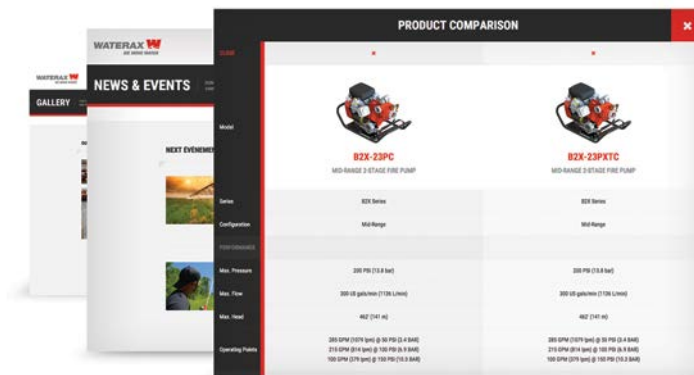


# VISIT OUR WEBSITE AT WATERAX.COM

Our revamped website [www.waterax.com](http://www.waterax.com), features a number of improvements designed to better serve your needs, including:

## A COMPARATIVE PRODUCT SELECTOR

This new tool allows you to compare multiple products with ease and efficiency, and to choose the pump that's a perfect fit for your needs.



## EDUCATIONAL VIDEOS

Stay informed of all the current training techniques, new tools and product improvements.

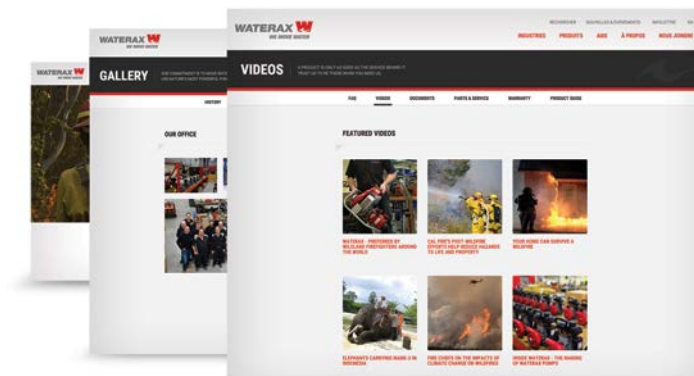
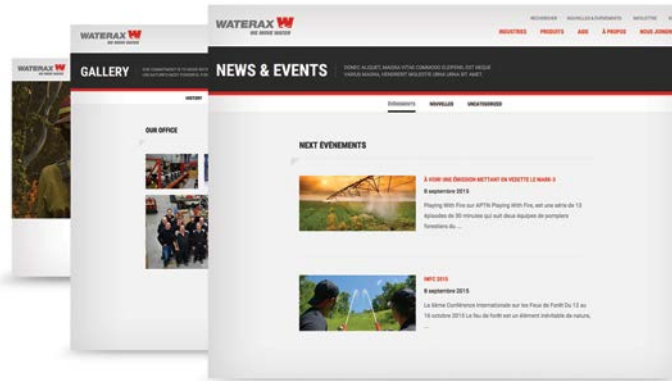


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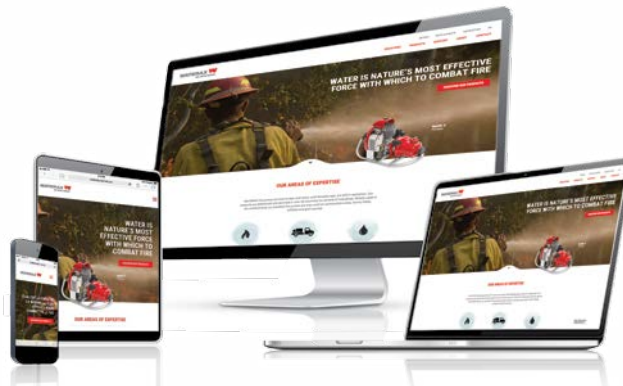
## NEWS & EVENTS

This section keeps you up-to-date with all of the latest product announcements, videos, conference-related information, industry news, and more! You can also schedule a meeting at an upcoming show with someone from our team!



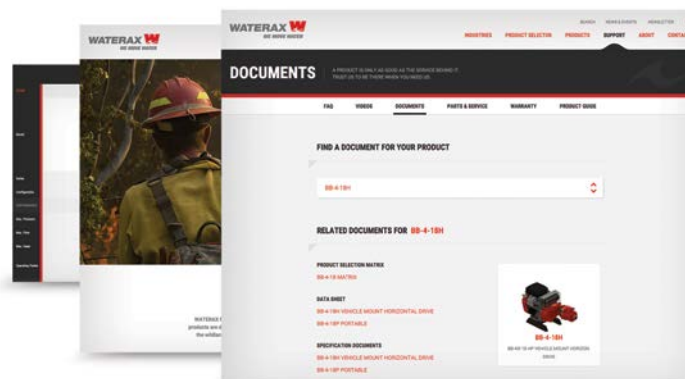
## RESPONSIVE DESIGN

Our new site is designed to adapt to any screen size. Whether you're browsing on your phone, tablet, laptop or desktop—the content will always be clear and easy to read.



## RELATED DOCUMENTS

All the ressources you need such as support documents, tech-notes, data sheets, owner's manuals and "how-to" videos.







## WATERAX LIMITED WARRANTY

WHEREAS subject to the following general and specific terms and conditions, *WATERAX* Inc. (the "Seller") hereby warrants (the "Purchaser") that its products, including any pump parts products manufactured by *WATERAX* (the "Products") sold under *WATERAX* Inc. brands will be free of defects in material and workmanship for the applicable Warranty Period (as set out at section 2); The general terms and conditions applicable for all Products are set forth under section 1. the specific terms and conditions applicable for all Products, including Warranty Periods and Warranty Coverage, are set forth in the table under section 2;

### General terms and conditions

The following limitations, exclusions, procedures and other terms and conditions shall apply for all Products:

#### 1. The Warranty shall be voided upon the occurrence of any of the following events:

- a. The Product is used for an application, with products or in a manner other than the application, products and manner for which such Product is designed and intended;
- b. The Product is subjected to a use, service, condition or environment other than a use, service, condition or environment for which such Product is designed and intended;
- c. The Product is not properly installed by the Purchaser or its agent or representative;
- d. The Product is not properly tested and maintained in accordance with Seller's product manuals and supplemental instructions and guidelines as set out in full at [www.waterax.com/eng/warranty](http://www.waterax.com/eng/warranty), applicable industry standards and guidelines, and applicable legal and regulatory requirements;
- e. The Product is altered, modified, serviced (with the exception of routine maintenance performed in accordance with the Seller's product manuals and supplemental instructions, and industry accepted standards and guidelines), or repaired by a person other than the Seller or a person authorized by the Seller to make such alteration or modification or perform such service or repair;
- f. The Seller is not paid the full amount of the purchase price for the Product when due;
- g. Any bad faith invocation of a warranty claim or breach of a purchase agreement by the Purchaser.

#### 2. The following are excluded from Warranty coverage:

- a. Non-defective parts worn, exhausted or consumed through normal usage of the Product;
- b. Any consumable parts normally subject to routine replacement, including but not limited to pump packing, O-rings, gaskets, intake screens, anodes or filters;
- c. Routine maintenance as specified and in accordance with the Seller's product manuals and supplemental instructions and guidelines as set out in full at [www.waterax.com/eng/warranty](http://www.waterax.com/eng/warranty);
- d. Failure due to compliance with a specification or design provided or required by Purchaser;
- e. Failure due to improper operation, excess pressure, excess voltage, abuse, misuse, negligence or accidents or other similar causes;
- f. Failure due to operator error;
- g. Damage during or after shipment and failure attributable thereto or resulting there from;
- h. Failure attributable to or resulting from the failure or substandard, inadequate or improper performance of any part, component or equipment not supplied by the Seller;
- i. Failure attributable to or resulting from the failure or substandard, inadequate or improper performance of any third party part, component, product or equipment, whether or not combined, packaged, incorporated, installed or used with a Seller brand part, component, product or equipment.

#### 3. Claim Notice and Claim Documentation:

- a. The Seller shall have no obligation under this Warranty unless the Purchaser promptly notifies the Seller in writing (a "Claim Notice") within the Warranty Period of any claim under this Warranty;
- b. Claim Notices must identify the Product claimed to be defective (including the serial number if applicable) and describe in reasonable detail the circumstances surrounding the failure;
- c. The Purchaser shall also complete and comply with the Seller's Returned Material's Authorization ("RMA") form and procedures. The Purchaser shall request such form in the Claim Notice;
- d. The Purchaser shall provide documentation in support of its claim as the Seller may reasonably request. Such documentation may include, but is not limited to, in service dates, run hours and service and repair records;





#### 4. Claim Procedure:

- a. Upon the reception of a Claim Notice, the Seller shall have the right to physically inspect the Product claimed to be defective;
- b. If requested by the Seller, the Purchaser shall deliver the Product claimed to be defective to the Seller at its manufacturing facility or to any other party or location designated by the Seller;
- c. The Product must be delivered to the Seller within 30 days of issuance of the RMA;
- d. The RMA number must be included with the Product when delivered to the Seller;
- e. Failure to make timely delivery to the Seller of the Product claimed to be defective shall void this Warranty;
- f. The Purchaser or its customer shall be responsible for all freight and shipping charges in connection with the delivery of the Product claimed to be defective to the Seller and the delivery of repaired or replacement Product or parts to the Purchaser;
- g. The Product claimed to be defective must be shipped by the Purchaser freight prepaid;
- h. Repaired and replacement Product and parts thereof will be shipped to the Purchaser freight collect;
- i. The Purchaser shall bear all risk of loss or damage during shipment.

#### 5. Repaired and Replacement Product:

- a. If requested to do so by the Purchaser, the Seller may, at its sole option and in its sole discretion, supply a replacement Product or part to the Purchaser prior to making a final determination as to whether Warranty Coverage is available;
- b. If the Seller ultimately determines that no Warranty Coverage is available for a Product claimed to be defective, the Purchaser shall have the option of either:
  - i. Having the Product returned to it freight collect, without repair or replacement, or;
  - ii. If Seller determines that the Product is repairable, have the Product repaired by Seller or another party designated by it on a time and materials basis at Seller's then current standard charges for non-warranty repairs and then returned to Purchaser freight collect.
- c. The Seller reserves the right to use reconditioned parts for Warranty repairs and to use reconditioned Products for Warranty replacements;
- d. Repaired Product and replacement Product shall be warranted only for the remainder of the original Warranty Period.

#### 6. Limits of Liability:

Seller's warranty as set forth herein is seller's sole and exclusive warranty and is in lieu of all other warranties, express or implied, including, but not limited to, all warranties of merchantability, quality, course of dealing, usage of trade, fitness for a particular purpose and non-infringement. The rights and remedies set forth herein are the sole and exclusive rights and remedies against seller, except for the specific liabilities and obligations provided herein, seller shall have no liability or obligation with respect to any product claimed to be defective in any manner.

## Product specific warranty terms and conditions

Product <sup>1</sup>	Warranty Period	Coverage <sup>2</sup>
4-Stroke Powered Portable Pumps	Two (2) years from date of shipment of Product to original Purchaser	Repair or replacement of Product that Seller determines failed during Warranty period due to a defect in material or workmanship. Seller offers no warranty with respect to engines. Any warranty with respect to engines is limited to whatever warranty may be provided by the engine manufacturer.
2-Stroke Powered Portable Pumps	Earlier of one (1) year from date of shipment of Product to original Purchaser or One hundred (100) run hours	Repair or replacement of Product that Seller determines failed during the Warranty period due to a defect in material or workmanship.
Backpack Pumps	One (1) Year from date of shipment of Product to original Purchaser	Repair or replacement of Product that Seller determines failed during the Warranty period due to a defect in material or workmanship.
Skid Units	One (1) Year from date of shipment of Product to original Purchaser	Repair or replacement of Product that Seller determines failed during the Warranty period due to a defect in material or workmanship. Seller makes no warranty with respect tank and plumbing accessories. Any such warranty with respect to tanks and plumbing accessories is limited to the warranty coverage, if any, provided by the respective manufacturer.
Control Panels, Electronics, Manifolds	Two (2) years from date of shipment of Product to original Purchaser	Repair or replacement of Product that Seller determines failed during the Warranty period due to a defect in material or workmanship.
Genuine Parts	Ninety (90) days commencing on the date when Product is first placed in service.	Repair or replacement of Product that Seller determines failed during the Warranty period due to a defect in material or workmanship.

<sup>1</sup> When Products are combined to form a module or package, each Product will have its own separate Warranty Period and Warranty Coverage.

<sup>2</sup> For each Product, Seller will have the option to refund to Purchaser (in cash or by credit) the purchase price that Seller was paid for such Product, less depreciation determined on a straight line basis over the Warranty Period, in lieu of repair or replacement (including, when applicable, labor). The decision whether to repair, replace or refund (and, if there is a refund, whether to refund in cash or by credit) shall be made by Seller in its sole discretion.





## TERMS AND CONDITIONS OF SALE

### ORDER BY PHONE, FAX, MAIL OR EMAIL

**WATERAX** strives to make ordering as simple as possible. A toll free phone call to your local sales representative is all it requires. When you call, you'll speak to a highly trained and experienced sales representative who will quickly and accurately process your order right over the phone. We will gladly process all orders faxed, mailed or e-mailed.

### Prices

All prices are subject to change without notice. Feel free to call, fax, e-mail or write to our sales personnel for current pricing information. All prices are FOB **WATERAX's** warehouse/shipping point (Incoterms 2000 revision) unless specifically quoted otherwise.

### International Sale of Goods Convention

Please note that we expressly exclude the application of the United Nations Convention on Contracts for the International Sale of Goods, whose terms therefore do not apply to any sales made to you by us.

### Payment Terms

Net 30 days, subject to credit approval. Past due amounts are subject to late payment charge of 1.5% per 30 days (being 18% on an annual basis), or service charge at the maximum rate allowed by applicable state or provincial law. Charges (including reasonable solicitor and other out of pocket costs) incurred in the collection of invoices owed will be the sole responsibility of the buyer.

### Minimum Charge

We will be pleased to accept all orders. Due to the cost of handling an order, a \$45.00 service charge, plus any applicable taxes and/or transportation charges, will apply to all orders of less than \$250.00. The minimum order will be waived if merchandise is purchased on credit card.

### Credit Card Payment

**WATERAX** accepts payment by credit card (Visa or MasterCard) up to a maximum of \$25,000 per order. A surcharge of 3.5% will apply to any credit card charge over \$25,000. Maximum amount per credit card transaction is \$50,000.

### Delivery

We strive to maintain an extensive inventory to service your needs. Every effort will be made to ship in a timely manner. Notwithstanding anything to the contrary set forth in any purchase order or distributor agreement, passage of title and risk of loss will transfer to the buyer from **WATERAX** upon shipment from any designated **WATERAX** warehouse or supplier location, unless otherwise explicitly agreed upon by **WATERAX** and the buyer in writing for a specific shipment (in which case such exception only applies to the particular shipment in question and not any subsequent shipments).

Shipments will be made freight prepaid with shipping and freight charges added to the invoice unless buyer freight account number is provided. We may make partial shipments and each shipment may be treated separately for purposes of invoicing. Our count and weight taken at the shipping point shall govern. Please note that delivery schedules are approximate and not guaranteed. We assume no responsibility for any delays in delivery.

### Shortages or Damaged Merchandise

Any shortage, damage or error in shipment should be reported to us immediately upon receipt of good and at the latest within 10 days after delivery. All packages should be carefully inspected for visible damage prior to acceptance from the carrier and delivery refused or damage noted when signing for receipt of packages.

### Returned Goods

Please contact our customer service department with full details concerning the return of any goods and the issuance of a Return Goods Authorization number (RGA). Returned Goods will not be accepted without a valid RGA number. Material returned for reasons other than defective replacement will carry a handling and restocking charge equal to 20% of the invoice price of such merchandise. Material must be in new and original condition subject to inspection, and returned freight prepaid.

Note: all special orders, being non-stocked items purchased on special order are to be considered non-cancellable and non-returnable. Such sales are therefore final.







# WATERAX<sup>®</sup>



**MARK-3<sup>®</sup>**  
Portable

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 protect our lives and property.

Benchmarks in the wildland firefighting community, our trustworthy MARK-3<sup>®</sup> and BB-4<sup>®</sup> centrifugal fire pumps have been top sellers and established leaders for generations. Many pumps sold decades ago are still in operation today, and are maintained with genuine spare parts.

We've got your back.

A product is only as good as the service behind it. At **WATERAX**, we back our quality products with steadfast service. Trust us to be there when you need us.

Quality. Reliability. Trust. Our pumps are as tested and proven as the men and women who use them every day.

Find the right pump for your needs!  
[www.waterax.com](http://www.waterax.com)

**WATERAX**   
**WE MOVE WATER<sup>®</sup>**



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