WATERAX
WE MOVE WATER

MINI-MARK®

2-Stroke Lightweight High-Pressure Pump

Innovative Solutions for Wildland Firefighters

The **MINI-MARK® lightweight high-pressure pump** is here, seamlessly blending the legacy of its predecessor with cutting-edge technology to meet the demands of today's wildland firefighters. This new lightweight high-pressure pump model pays tribute to the original **MINI-MARK®** from the 1990s, known for its lightweight design and reliable performance in initial attack fires. Equipped with a powerful 1.72 kW (2.3 hp) 2-stroke engine and a single-stage pump end, the **MINI-MARK®** delivers impressive pressures of up to 6 bar (85 PSI) and a maximum flow rate of 386 L/min (102 US GPM), ensuring an invaluable asset in firefighting operations.

Designed for versatility and portability, the **MINI-MARK® lightweight pump** excels in various applications, including initial attack firefighting, structure protection, sprinkler operations, and tandem pumping over long distances. Its compact size and backpackable design enable firefighters to easily transport it to remote locations, ensuring they have the necessary resources at their fingertips during critical moments. This innovative pump features an electronic overspeed cutout switch, safeguarding against engine and pump damage during loss of prime conditions, while its anodized aluminum components enhance durability. With the **MINI-MARK®**, **WATERAX** continues its commitment to providing wildland firefighters with high-performance tools that empower them to protect communities and ecosystems effectively, all while embracing modern firefighting demands.

Once again, this evolution marks a new chapter for **WATERAX**, focusing on reliable and efficient fire-fighting solutions.

Applications

- Initial attack firefighting
- Structure protection
- Sprinkler operations
- Tandem pumping over long distances

Features and benefits

- Portable, lightweight and compact
- Anodized aluminum alloy pump components
- Composite corrosion-resistant impeller
- Electronic overspeed cutout switch
- Multiposition - capable of running at any angle
- Optimal Operating Point: 189 L/min @ 3.4 bar (50 US GPM @ 50 PSI)
- Integrated, ergonomic carry handle
- Detachable pump end
- Throttle with detents to avoid throttle drift
- Centrifugal clutch feature

Optional external fuel tank connection kit available

- **Integral fuel tank autonomy of one hour**
- **External fuel tank autonomy of 20 hours**

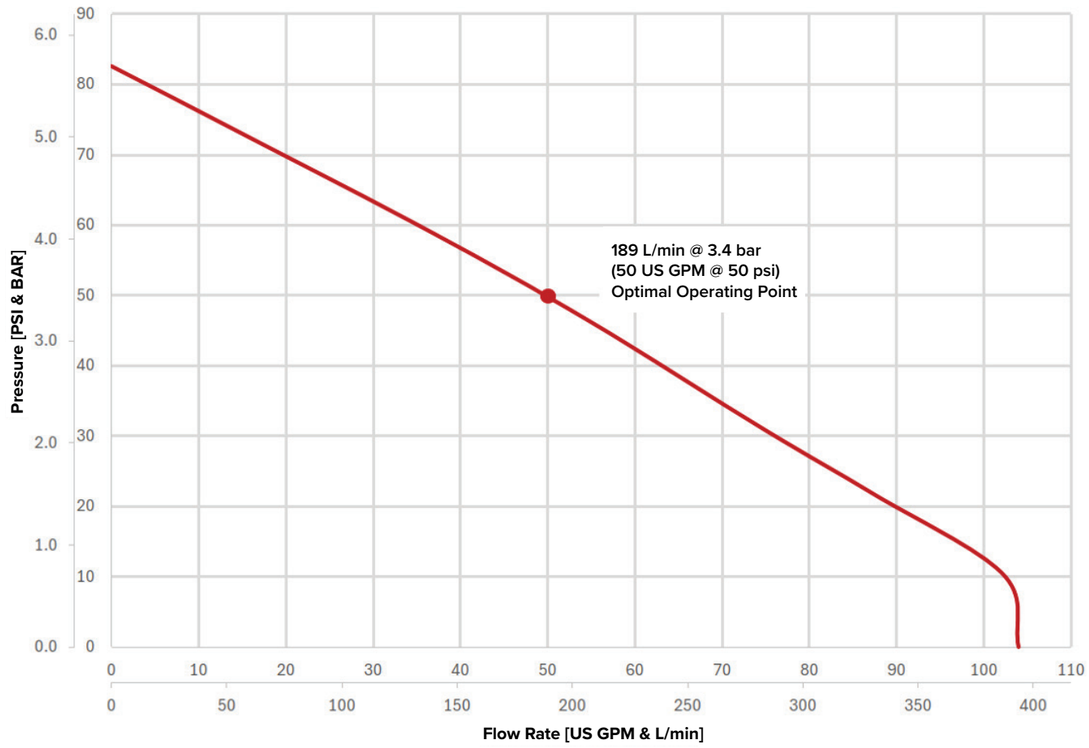
Specifications

Flow rate at specified pressure

- Maximum pressure: 6 bar (85 PSI)
- Free Flow: 386 L/min (102 US GPM)
- Maximum Head: 60 m (196’)

MINI-MARK®				
Flow			Pressure	
L/min	US GPM		bar	PSI
250	66	@	1,7	25
189	50	@	3,4	50
117	31	@	5,2	75

MINI-MARK® flow rate at specified pressure



Technical Specifications

	ENGINE SPECIFICATIONS
MAXIMUM POWER	1.72 kW (2.3 hp) @ 7,000 RPM
MAXIMUM TORQUE	2.84 Nm (2.1 lb-ft) @ 4,000 RPM
DISPLACEMENT	49.9 cc (3.05 cu in)
STARTING SYSTEM	Recoil starter
IGNITION	Capacitive discharge ignition (CDI)
AIR CLEANER	Semi dry type
CARBURETOR	Diaphragm type with integrated purge bulb
LUBRICATION	Fuel mix ratio: 50:1 (gasoline to oil)
FUEL TYPE	Gasoline: 87 octane automotive gasoline (maximum 10% ethanol). Oil: 2-cycle mixing oil with API-TC, JASO FD and ISO-L-EGD certification
FUEL TANK CAPACITY	1 L (0.26 US gal)
FUEL CONNECTOR	Optional kit: Three-way valve, SAE 45° connection for external fuel tank
FUEL CONSUMPTION	0.91 L/hr (0.24 US GPH)

	PUMP SPECIFICATIONS
TYPE	Single-stage, centrifugal pump
DRIVE	Centrifugal clutch
MAXIMUM ALLOWABLE PRESSURE	13.8 bar (200 PSI)
MAXIMUM PRESSURE	6 bar (85 PSI)
MAXIMUM FLOW	386 L/min (102 US GPM)
INTAKE	51 mm (2”) NPSH
DISCHARGE	38 mm (1-1/2”) NPSH
VOLUTE AND SUCTION COVER	Foam compatible, lightweight anodized aluminum alloy
IMPELLER	Composite corrosion resistant
SEAL	Mechanical rotary seal
PUMP SHAFT	Stainless steel
CONTROLS	Push OFF button with electronic overspeed cutoff
THROTTLE	With detents to avoid throttle drift

MINI-MARK®

305 mm
12”

333 mm
13 ⅛”

324 mm
12 ¾”

- **Weight:** 8.6 kg (19 lbs)

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