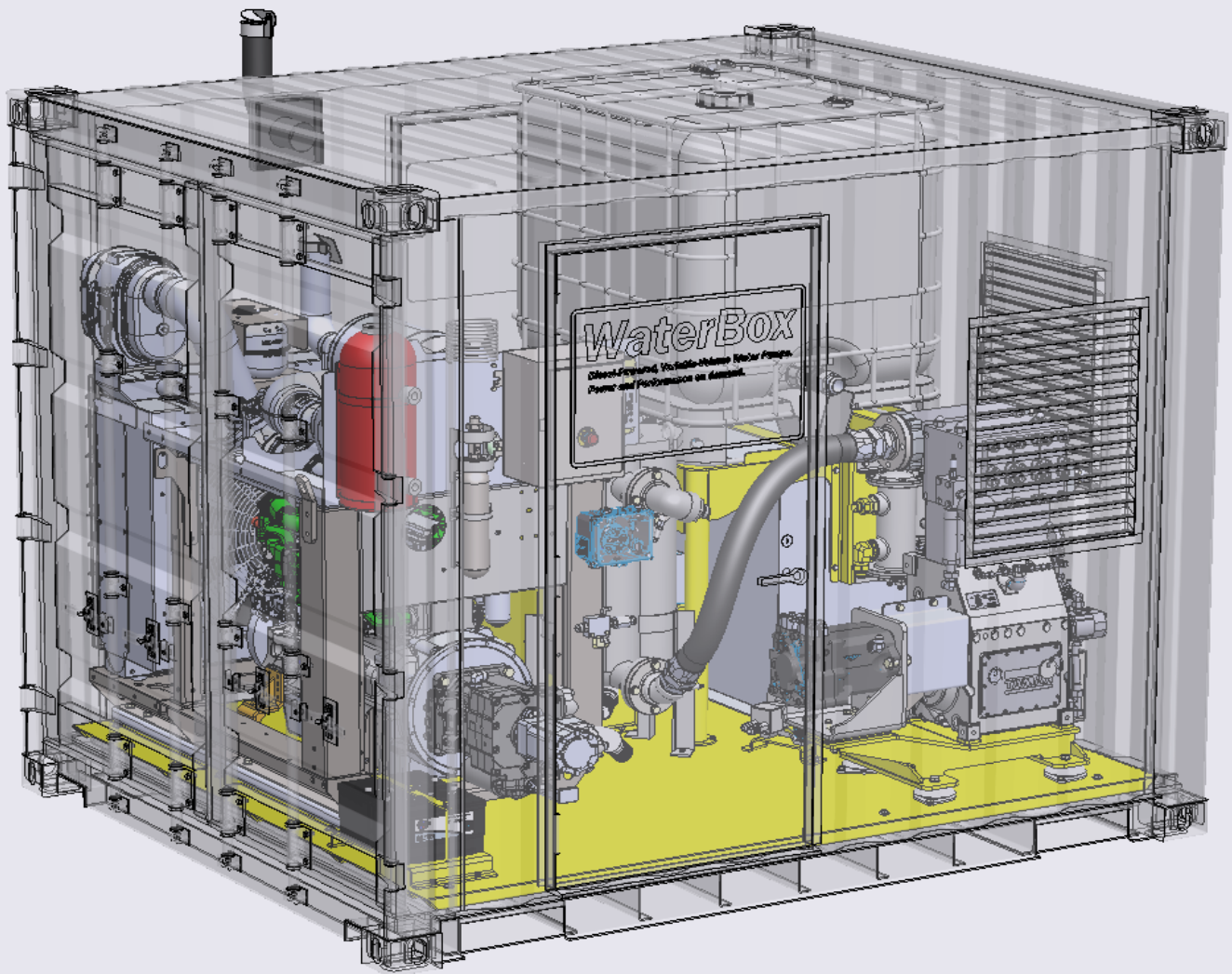


# WaterBox™

## WATER HAMMER DRILL PUMPS

 MEDATECH  
**BORTERRA**





# A pump built for DTH hammer drills

WaterBox™ is a self-contained, diesel- or electric-powered unit that pumps water at the exact flow rates that DTH water hammer drills require.

A digital control system manages pump speed and engine throttle to maximize efficiency and fuel economy, displaying precise pressure and flowrate for the operator.

Borterra has been developing unique drilling solutions for over 10 years. You'll find our drill rigs and associated equipment in gas/oil, dam stabilization, hydro and other drilling applications across North America.

# Big Benefits

## **Plug-and-play**

WaterBox is a self-contained, self-sufficient pump for DTH water hammer drilling. Built into a container unit, it's compact and highly portable.

## **Precise flow rate**

Set the flow rate and pressure (up to 3000 PSI) you want to maintain and WaterBox delivers it, displaying the data in color. As you get further down the hole, fine tune as needed to maintain maximum penetration rates while ensuring precision and repeatability for each hole drilled.

## **Optimal power & efficiency**

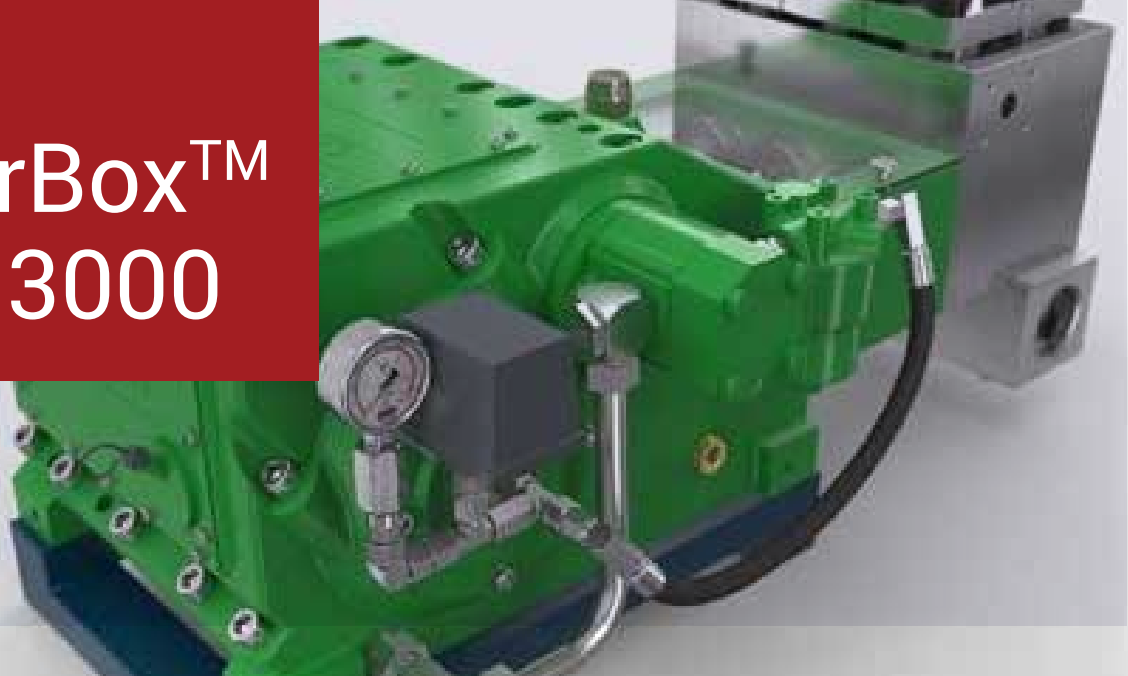
Choose electric power or a top-of-the-line EPA Tier 4F diesel engine. The Borterra digital control system manages pump speed and engine throttle to maximize efficiency and fuel economy.

## **A true partner**

Borterra develops, services and upgrades the drilling solutions our customers need. Want a partner for life? That's our goal.



# WaterBox™ DWP 3000



## **Water Circuit Specs**

- Water pressure: 0 to 3,000 psi (0-206 bar)
- Water flow: 12 to 120 gpm (45 to 454 l/min) infinitely variable at any engine speed
- Maximum flow @ pressure: 120 gpm @ 2,600 psi
- Maximum pressure @ flow: 102 gpm @ 3,000 psi
- 275 gallon (1040 l) surge tank
- High Volume, 10 Micron water filters
- 3" female NPT stainless steel water inlet connection
- 2" female NPT stainless steel water outlet connection

## **Diesel Power**

- 250 hp (168 kW) John Deere PowerTech™ PVS 6.8L Industrial Diesel Engine
- CARB, EPA Tier 4F, EU Stage 5
- 100 Gallon (280 l) diesel tank
- 12/24V Control System

## **Operator Controls**

- The pump is fully controlled from a Radio Remote Control
- Radio remote control has a colour screen indicating water pressure, water flow (instantaneous and cumulative for the day), fuel level, fuel efficiency and other engine data
- Radio Remote Control has a 100m range
- Spare battery and a charger (included) are located inside the pump enclosure

## **Pump Enclosure**

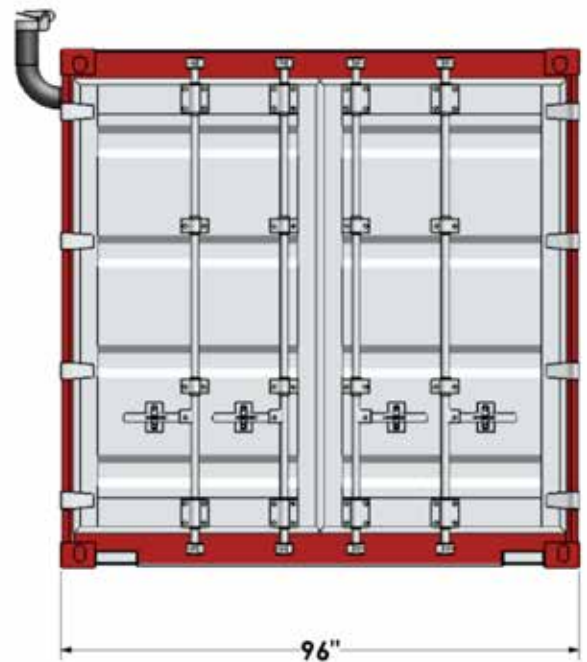
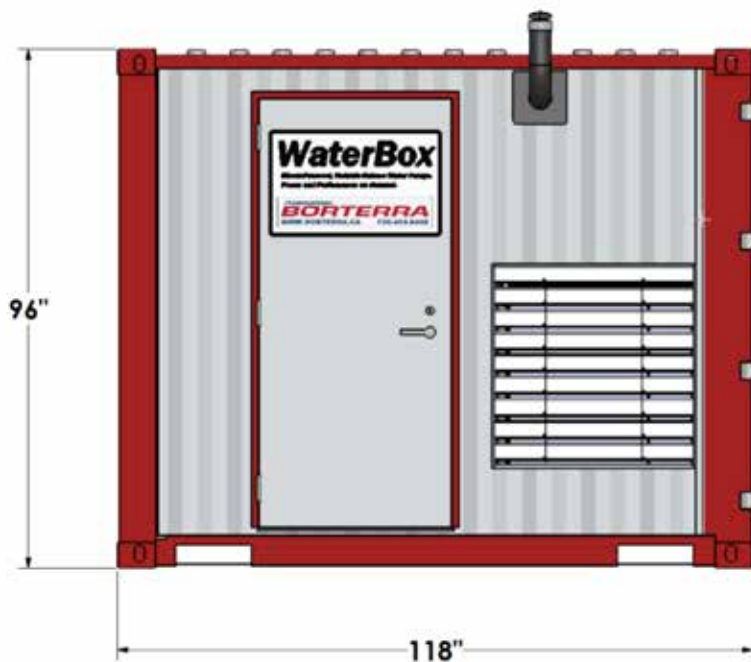
- Heavy duty enclosure 10' x 8' x 8' (L x W x H)
- Two keyed operator doors for main power access, daily maintenance checks, and refueling, maintenance access
- Padlocked full face access doors on one end
- ANSUL Fire Suppression system (automatic)
- Forklift Pockets on all 4 sides
- Crane lifting points on roof

## **Available Options**

- Cold Weather package (Antifreeze injection)
- Additional Radio Remote Controls
- Additional batteries/chargers
- Wired Control Pendant



# WaterBox™ DWP 3000



Hammer Size (in)	Hose Size		Flow (gpm)		Max Pressure (psi)	WaterBox Model DWP 3000
	Min	Max	Min	Max		
2.0	2.4	2.5	15	46	2610	✓
3.0	3.2	3.5	20	70	2610	✓
3.5	3.7	4.0	18	70	2610	✓
4.0	4.5	5.0	35	94	2610	✓
5.0	5.0	6.0	45	118	2610	✓

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