



PLUGZ-IT™/MAX

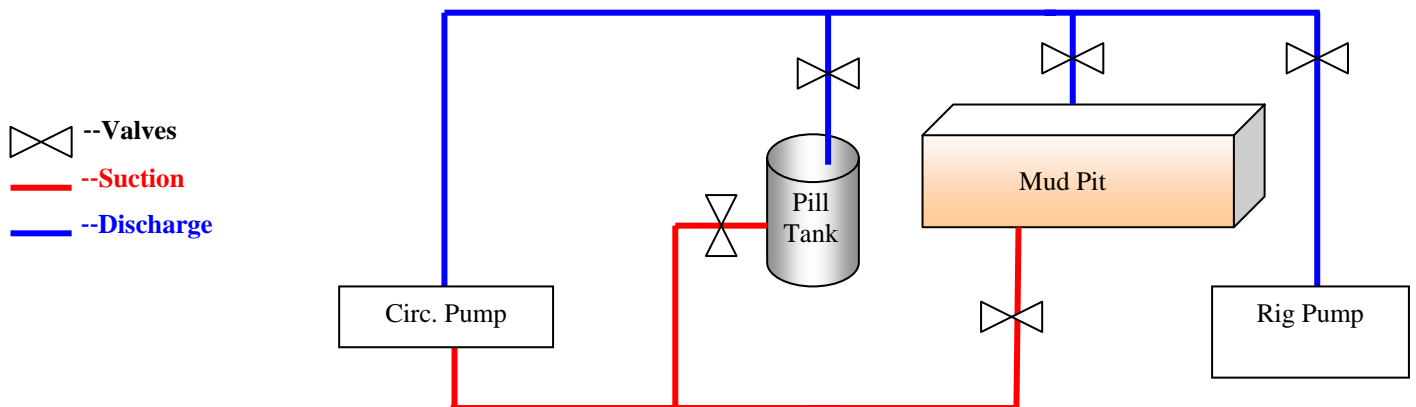


PLUGZ-IT™/MAX is a lost circulation material designed to mix and pump with a drilling fluid into cobble, gravel, or fractured zones to restore mud circulation. Based on the original PLUGZ-IT™ material, PLUGZ-IT™/MAX is a coarser product engineered specifically for use in vertical drilling operations. It readily seals off coarse gravels, fractured formations, and other profiles where mud-loss is a problem. PLUGZ-IT™/MAX can be placed directly through the jets in the bit provided they are a minimum of 3 mm or 1/8" in size. PLUGZ-IT™/MAX is environmentally safe and non-toxic.

APPLICATION:

- A. As a Pill:** In a separate ("pill") tank, mix EXTRA HIGH YIELD™ to a Marsh Funnel Viscosity of 45 to 65 seconds. Add PLUGZ-IT™/MAX at a rate of 20 to 40 pounds per 100 gallons. Mix in small batches, 50 to 100 gallons at a time.
1. Add PLUGZ-IT™/MAX slowly into "Pill" tank and circulate for 1 to 2 minutes.
 2. Once the appropriate quantity is added, quickly pump from the "Pill" tank into place, pulling the drill steel back slowly as the mixture is pumped into the loss zone.
 3. Pump pressure should remain elevated while pumping to insure PLUGZ-IT™/MAX is being squeezed into fractured or unconsolidated zones.
 4. Once all the material is in place, pullback 5 to 10 feet and continue to pump in order to purge the drill string. Once in place the PLUGZ-IT™/MAX pill should set for 20 to 30 minutes, allowing for complete hydration and swelling to take place. Circulation should be restored at this point.
 5. Advance back into the hole slowly, using low pump pressure, circulating as you progress and continue the drilling operation. If mud loss is still a problem, repeat the process.
- B.** At this first sign of mud loss, PLUGZ-IT™/MAX can be added slowly at the suction to be carried by the fluid into the loss zone.

MIXING SCHEMATIC



PLUGZ-IT™/MAX is conveniently packaged in 30-pound multi-walled paper bags.

WYO-BEN, INC.

P.O. Box 1979

Billings, Montana 59103

Internet: www.wyoben.com

email: email@wyoben.com

800-548-7055 or (406) 652-6351