

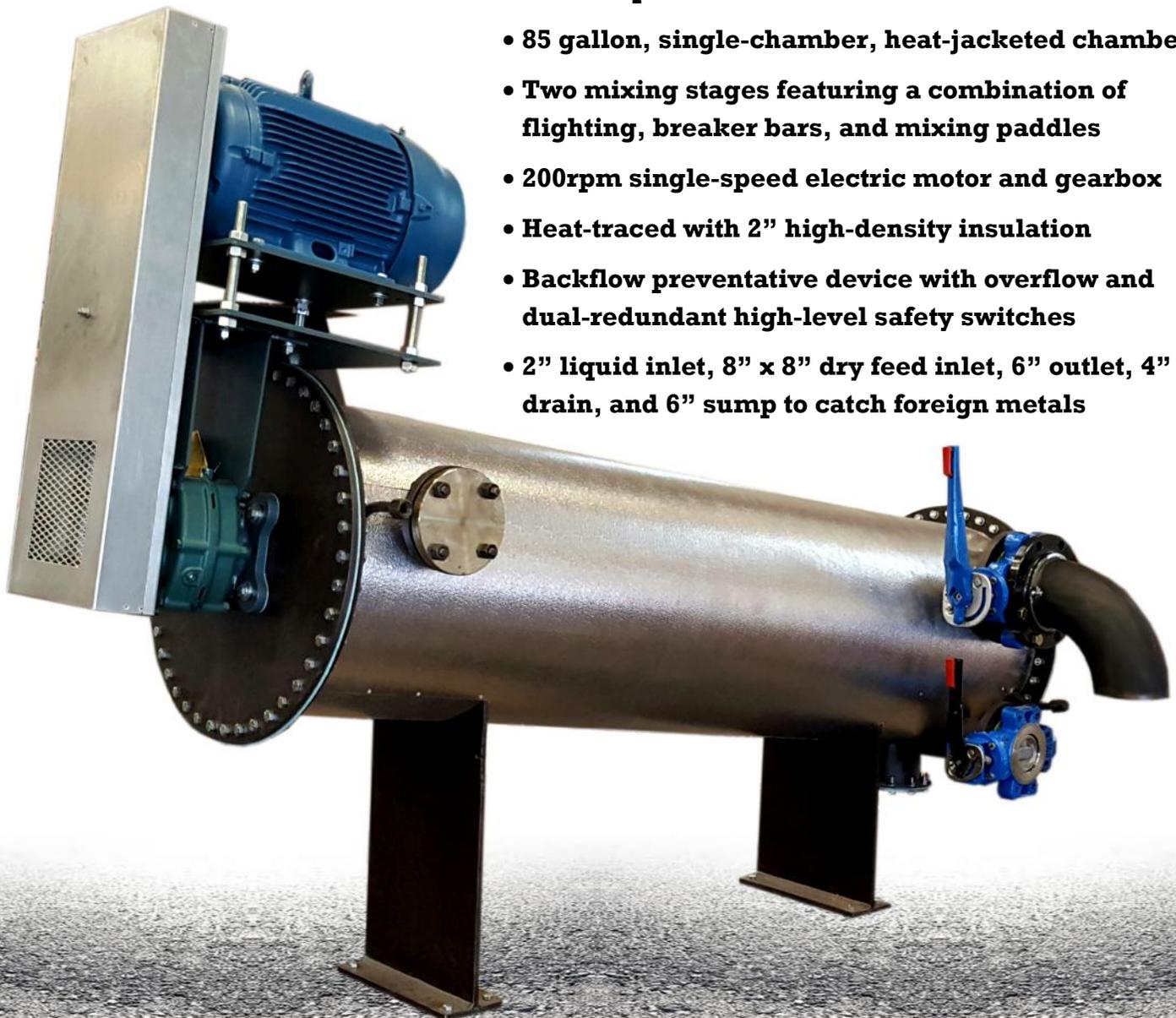


HORIZONTAL MIXING CHAMBER

The D&H Horizontal Mixing Chamber is an innovative solution to mixing asphalt, rubber, polymer, or any dry powder. It effectively inline blends both small batches to continuous large-scale production. The D&H design advantage includes greater consistency than high speed impellor mixing tanks and less air injection than vortex mixing systems, while providing enhanced assurance of complete coating.

General Specifications

- **Field-proven for nearly a decade to handle heavily -modified asphalt blending production rates from 10TPH up to 50TPH+ of continuous use**
- **85 gallon, single-chamber, heat-jacketed chamber**
- **Two mixing stages featuring a combination of flighting, breaker bars, and mixing paddles**
- **200rpm single-speed electric motor and gearbox**
- **Heat-traced with 2" high-density insulation**
- **Backflow preventative device with overflow and dual-redundant high-level safety switches**
- **2" liquid inlet, 8" x 8" dry feed inlet, 6" outlet, 4" drain, and 6" sump to catch foreign metals**

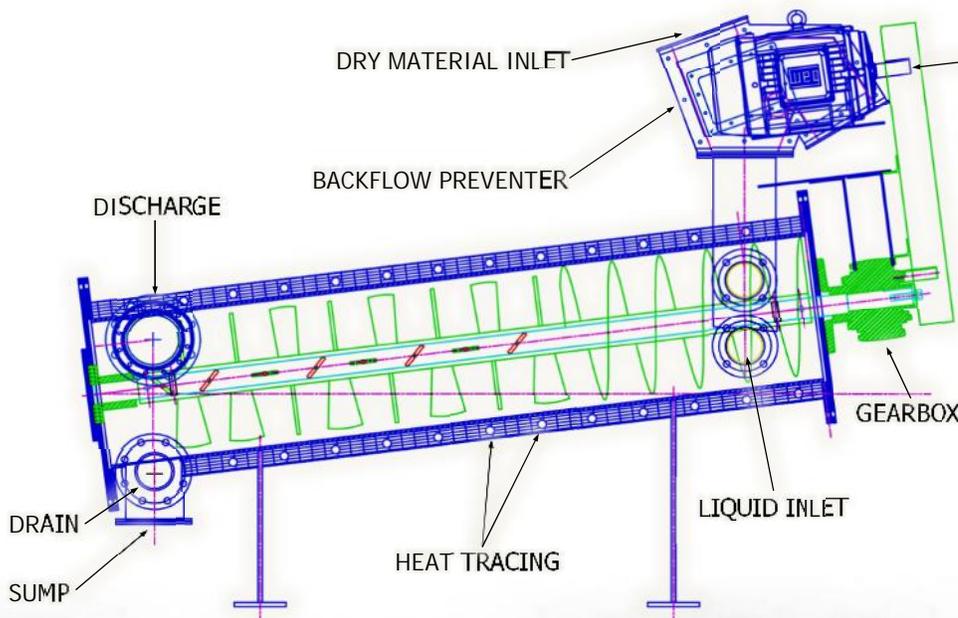


D & H EQUIPMENT HORIZONTAL MIXING CHAMBER

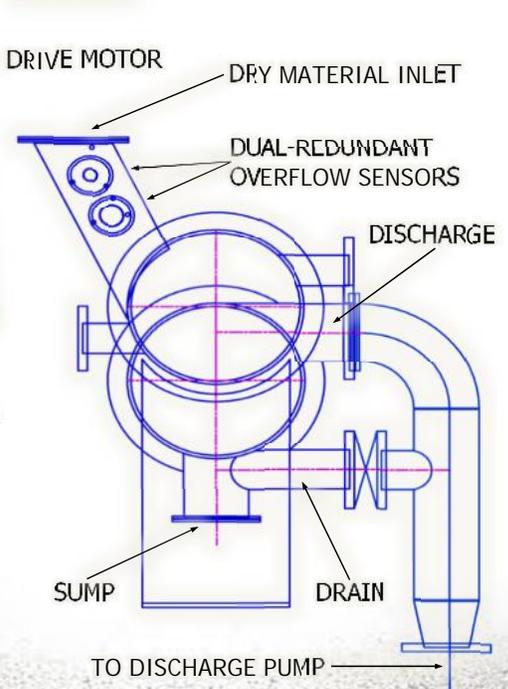
ADVANTAGES

- **Greater mixing agitation and coating of rubber, polymer, or any dry powder**
 - All product must pass completely through the mixing chamber
 - Active mixing works with a wide range of production speeds
 - Easily handles extremely highly-modified products (22% crumb rubber or 15%SBS)
 - Less air injection and oxidation potential than vortex systems
- **Minimal maintenance, cleaning, and equipment downtime**
 - Average yearly cost of high-speed impellor maintenance is approximately \$1,200
 - Horizontal Mixer is extremely easy to completely drain and/or flush system clean
 - Internal bushing on discharge side of auger eliminates any leaking from an auger seal
- **Safer and more controlled system**
 - Not open to outside atmosphere
 - Does not rely on gravity-fed discharge
 - Product is mechanically fed through the system which does not allow froth to form on top of mixing product & any foaming/expansion is diverted downstream to larger storage tanks
- **In polymer-modified blending systems, it can wet & deliver polymer to the mill much faster**
 - More efficient milling because the polymer has not had time to heat and soften
 - When polymer reaches the mill, it has a greater tendency to cut/shatter than extrude

SIDE VIEW DRAWING



END VIEW DRAWING



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