



REV A (09.23.2021)

HYDRAULIC DRIVE BRACKET PUMP SPECIFICATION

Foam pump shall be **100% made in USA** including castings and machining and shall have the following design components and function. Foam pump manufacturer **shall have** an ISO certified QC program in place with current certification.

Foam pump shall have 255 Duplex Stainless-steel shafts to withstand sea water flush and any brand foam concentrate. Only 1 shaft seal is permitted, and shaft seal shall be capable of **DRY** operation for 10 minutes. Shaft seal shall be simple to repair and replace in the field. Shaft seal materials are 316 stainless casing with double PTFE lips that allow for hydro test pressure to 350 psig without leakage.

Pump rotors shall be **spur** or **herringbone** gear design using corrosion resistant materials. Made from bronze alloy and composite materials that provide no tooth-to-tooth wear and no corrosion.

Foam pump connections shall be Groove, NPT, or ANSI 150# flange. Pump connections and end covers shall use O ring seals for leak free operation and simple field replacement.

Foam pump **shall be** capable of 300 PSI (21 bar) at a maximum of 1800 rpm.

Pump shall be quiet and smooth operation during operation.

Pump shafts shall be supported by composite bushings that are field replaceable and capable of extended operation on water or foam concentrate.

Foam pump **shall be** mounted on an anodized aluminum base and factory aligned for an SAE type hydraulic motor.

The hydraulic drive motor may be factory installed or sourced locally for field installation.

A stainless-steel coupling safety guard **shall be** factory installed on the hydraulic drive bracket.