



FOAM PUMP COMPARISON

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TECHNICAL FEATURE	FIRE LION	TRIDENT	EDWARDS
Field Repairable	Yes	No	No
Number of shaft seals	1	4	4
Lip seal type	Double Lip Seal	Mechanical Seal	Double Lip Seal
Change seal w/o pump disassembly?	Yes Remove front cover only	No full disassembly	No full disassembly
Maximum Pressure PSIG	All pumps rated to 300 psi	300 psi	200 for SDF 300 for HDF
Casing to end cover seal	O-ring	O-ring	O-ring
Maximum RPM	1,800	1,800	1,800
Parts support	Fast	Fast	Slow
Noise	Low	High	High
Vibration Levels	Low	High	High
Timing Gears	No	Yes	Yes
Pump Delivery & Support	Fast	Medium	Slow
Operate any Rotation?	Yes - no change required for any rotation	No - must be ordered proper rotation	No- must be ordered proper rotation
Easy retrofit capability	Yes	Ok	Ok
Gear Type	Herringbone	Spur	Spur
Pump connections	1 and 1.5" NPT and Groove	Groove	1.5" to 3" NPT
*	2, 3 +4" Groove		4" Flanged
*	2,3 + 4" Flange		
Standard Shaft Material	Duplex SS	17-4ph SS	304 SS
Any viscosity or brand foam	Yes	Yes	Yes
Dry Run	Yes	Yes	Yes
Rotor Thrust washers	Yes	No	No
UL and FM	UL & FM	UL Only	UL & FM
Requires Lubrication (Grease or Oil)	No	Yes	Yes
Pump warranty	6 Years	5 Years	1 year
Casing Liners Needed ?	No	No	Yes
Hard Surface under lip seal ?	Yes	N/A	No