

Positive Displacement vs. Centrifugal Foam Pumps

Positive Displacement	Centrifugal
<ul style="list-style-type: none"> • Will self prime 	<ul style="list-style-type: none"> • Won't self prime
<ul style="list-style-type: none"> • Won't vapor lock 	<ul style="list-style-type: none"> • Can vapor lock
<ul style="list-style-type: none"> • Will pump any viscosity foam – more flexibility, no changes with more viscous foam 	<ul style="list-style-type: none"> • Limited to low viscosity foam concentrates (<10cPs)
<ul style="list-style-type: none"> • Can generate high discharge pressure; even beyond full design pressure during system low flow conditions or single zone activations while maintaining constant flows. 	<ul style="list-style-type: none"> • Can develop high pressures, but only at lower flows.
<ul style="list-style-type: none"> • Operates at low speeds, minimizing agitation and shear 	<ul style="list-style-type: none"> • Operate at higher speeds, increasing agitation and shear.
<ul style="list-style-type: none"> • Recommended by NFPA standards 	<ul style="list-style-type: none"> • Not recommended by NFPA standards for all foam concentrates

The Edwards timing gear pump has all of the above advantages plus:

- All bronze construction, proven to be the longest lasting material for foam concentrating pumping
- Casing liners, which reduces the cost of repair and keep your Edwards pump at maximum efficiency
- Dry run seal design
- Compatibility with many drive systems, including PTO, electric motor, diesel engine, and water motor
- UL/FM listing, per current NFPA 20 Requirements