

Soft starter benefits for Marine Applications

BENEFIT	FEATURE	Blower / Fan	Bow Thruster	Compressor	Hydraulic Power Pack	Pump	Winch
Protect equipment	Prevent damage due to reverse operation		■	■	□	■	
	Prevent damage from jammed loads					■	■
	Prolong life of pumps, pipes, valves and headworks by preventing water hammer					■	
	Early warning of abnormal load conditions (broken couplings, blocked pipes, etc.)		■	■	□	■	
	Smooth take-up with gradual tensioning						■
Maximize productivity	Safely use full motor capacity without nuisance tripping	■	■	■	■	■	■
	Complete critical processes	□	■	□		■	■
Smoother operation	Minimize stress on electrical supply	■	■	■	■	■	■
	Reduce mechanical stress during start	■	■	■	■	■	■
Intelligent control of the whole system	Override motor and system protections in emergency situations (e.g. fire pumps, ventilation fans)	■	■			■	
	Simplify control circuits by directly connecting pressure switches			■		■	
	Improve system performance with closed loop process control			■			

■ Very significant benefit ■ Significant benefit □ Useful