

Soft starter benefits for OIL & GAS APPLICATIONS

BENEFIT	FEATURE	BLOWER/FAN	CENTRIFUGE	COMPRESSOR	PUMP
Protect equipment	Prevent damage due to reverse operation	Phase sequence	☐	■	■
	Prolong life of pumps, pipes, valves and headworks by preventing water hammer	Soft stop			■
	Early warning of abnormal load conditions (broken couplings, blocked pipes etc)	Undercurrent	☐	■	■
	Prevent belt breakages	Gentle acceleration	☐		
Maximise productivity	Safely use full motor capacity without nuisance tripping	Motor thermal model	■	■	■
	Complete critical processes	PowerThrough	■	■	■
Smoother operation	Minimise stress on electrical supply	Reduced start current	■	■	■
	Reduce mechanical stress during start	Gentle acceleration	■	■	■
	Minimise pressure surges				■
Intelligent control of the whole system	Simplify control circuits by directly connecting pressure switches	Digital inputs		■	■
	Improve system performance with closed loop process control	Analog output			■