













































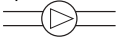






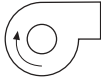





### ■ Typical Applications

MCD 200 soft starters can offer benefits for almost all motor starting applications. Typical advantages are highlighted in the table below.

Application	Benefits
Pumps 	<ul style="list-style-type: none"> <li>• Minimised hydraulic shock in pipelines during start and stop.</li> <li>• Reduced starting current.</li> <li>• Minimised mechanical stress on motor shaft.</li> <li>• Phase rotation protection prevents damage from reverse pump rotation.</li> </ul>
Conveyor Belts 	<ul style="list-style-type: none"> <li>• Controlled soft start without mechanical shocks, e.g. bottles on a belt do not fall over during starting, minimised belt stretch, reduced counter balance stress.</li> <li>• Controlled stop without mechanical shocks. Soft stop.</li> <li>• Optimum soft start performance even with varying starting loads, e.g. coal conveyors started loaded or unloaded.</li> <li>• Extended mechanical lifetime.</li> <li>• Maintenance-free.</li> </ul>
Centrifuges 	<ul style="list-style-type: none"> <li>• Smooth application of torque prevents mechanical stress.</li> <li>• Reduced starting times over star/delta starting.</li> </ul>
Ski Lifts 	<ul style="list-style-type: none"> <li>• Jerk free acceleration increases skier comfort and prevents swinging T-bars etc.</li> <li>• Reduced starting current allows starting of large motors on a weak power supply.</li> <li>• Smooth and gradual acceleration whether the ski lift is lightly or heavily loaded.</li> <li>• Phase rotation protection prevents operation in reverse direction.</li> </ul>

Application	Benefits
Compressors 	<ul style="list-style-type: none"> <li>• Reduced mechanical shock extends the life of the compressor, couplings and motor.</li> <li>• Limited start current enables large compressors to be started when maximum power capacity is limited.</li> <li>• Phase rotation protection prevents operation in reverse direction.</li> </ul>
Fans 	<ul style="list-style-type: none"> <li>• Extended coupling life through reduced mechanical shock.</li> <li>• Reduced start current enables large fans to be started when maximum power capacity is limited.</li> <li>• Phase rotation protection prevents operation in reverse direction.</li> </ul>
Mixers 	<ul style="list-style-type: none"> <li>• Gentle rotation during start-up reduces mechanical stress.</li> <li>• The starting current is reduced.</li> </ul>

### ■ Power Factor Correction

If a soft starter is used with static power factor correction it must be connected to the supply side of the starter.



Connecting power factor correction capacitors to the output of the soft starter will result in damage to the soft starter.