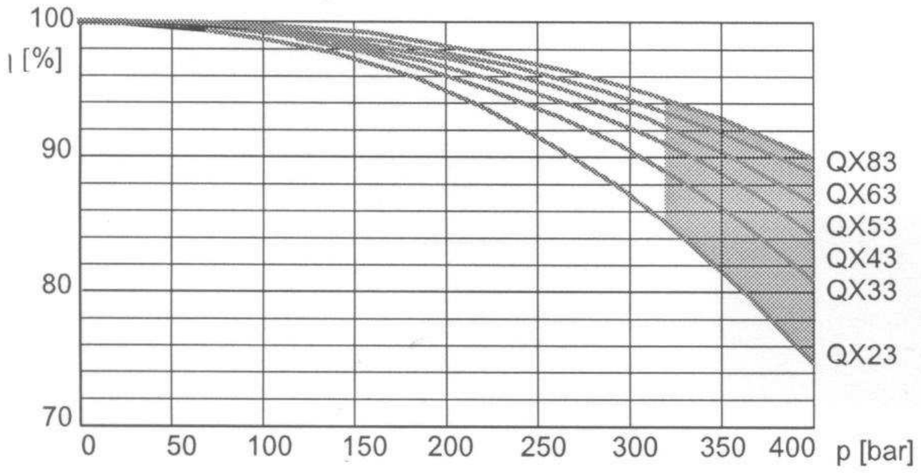
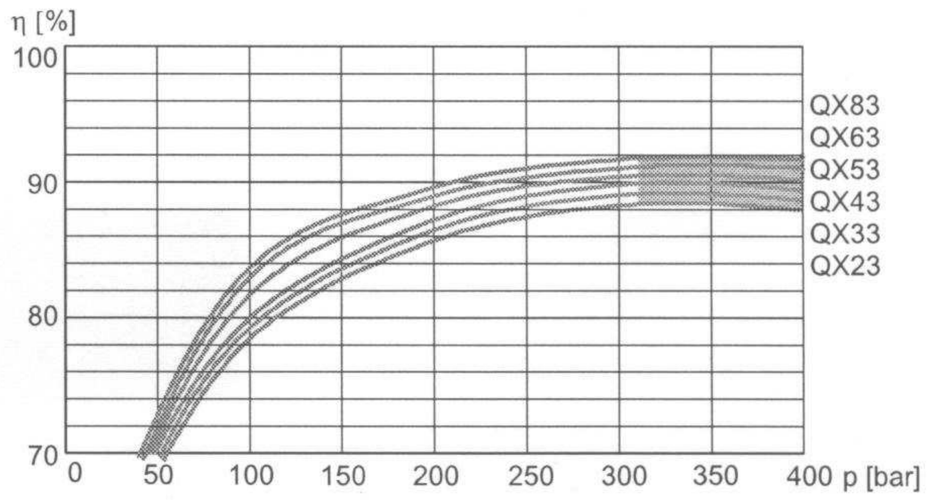
3.2.3 Pressure range 3

Volumetric efficiency



Hydromechanical efficiency



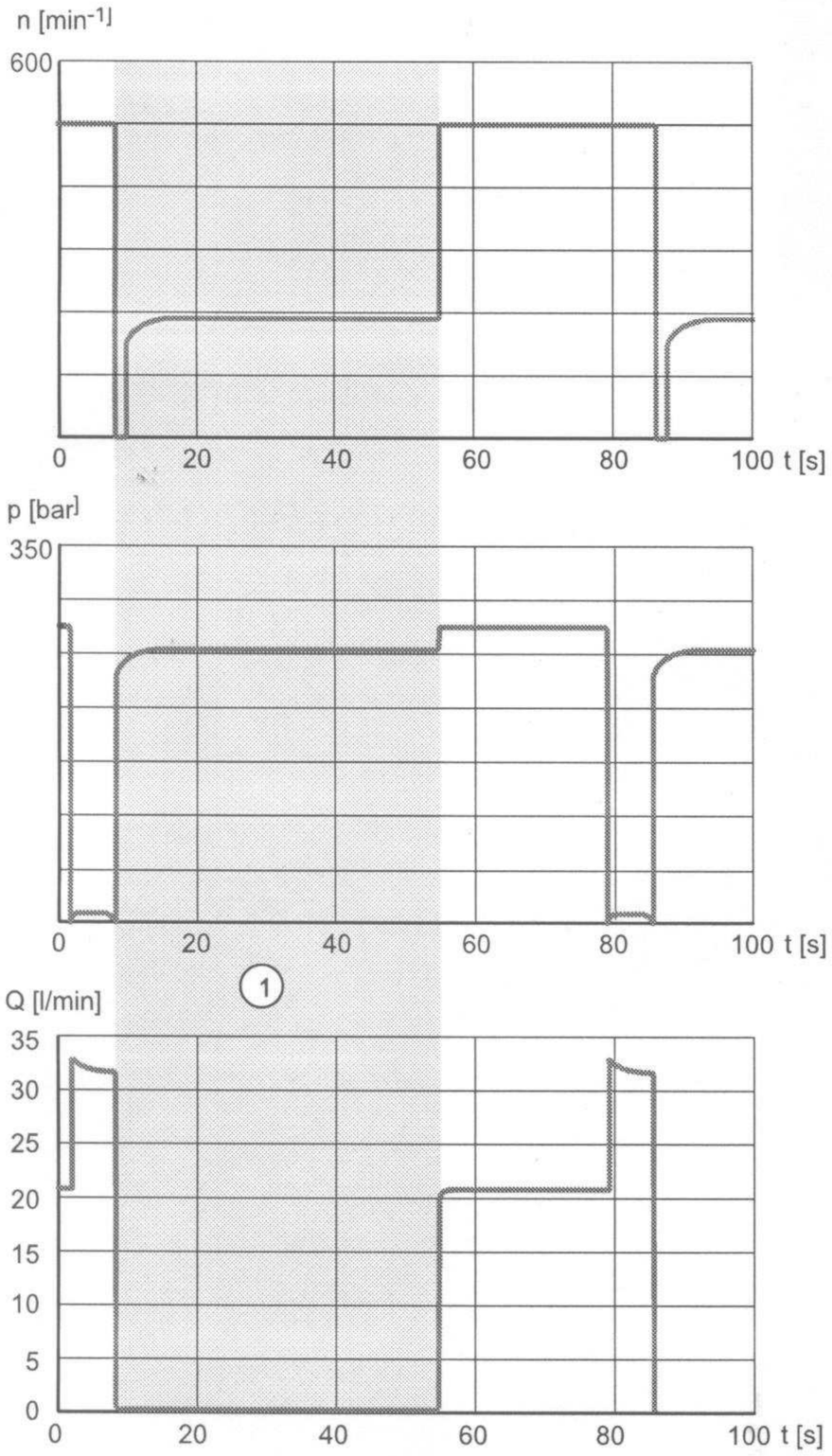
intermittent operating pressure

3.3 Operation with variable-speed drives

IMPORTANT: The following main characteristics are to be understood as examples only. They are valid only for the specified pump models and parameters. We would be very happy to advice you on the layout of your drive. QX pumps with variable-speed drive all contain an external drain port.

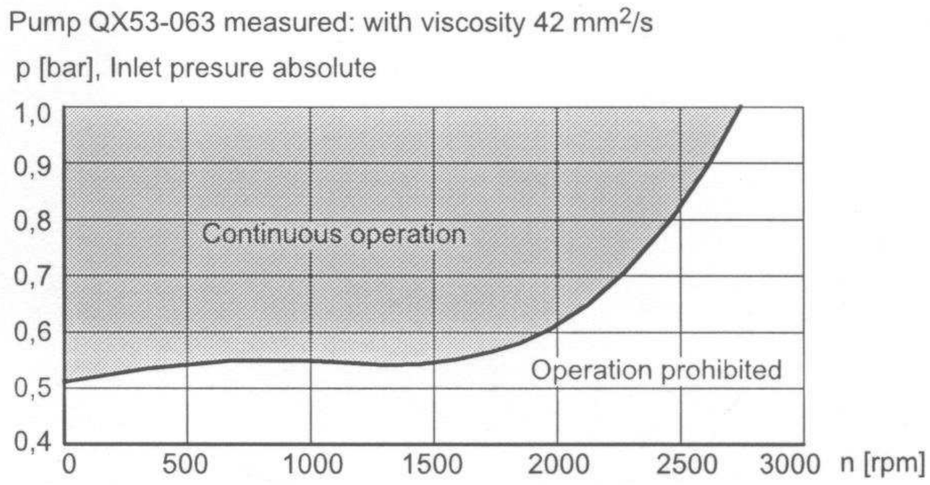
3.3.1 Typical loading cycle for a QX pump with variable-speed drive

Pump QX53-063 with viscosity 20 mm²/s



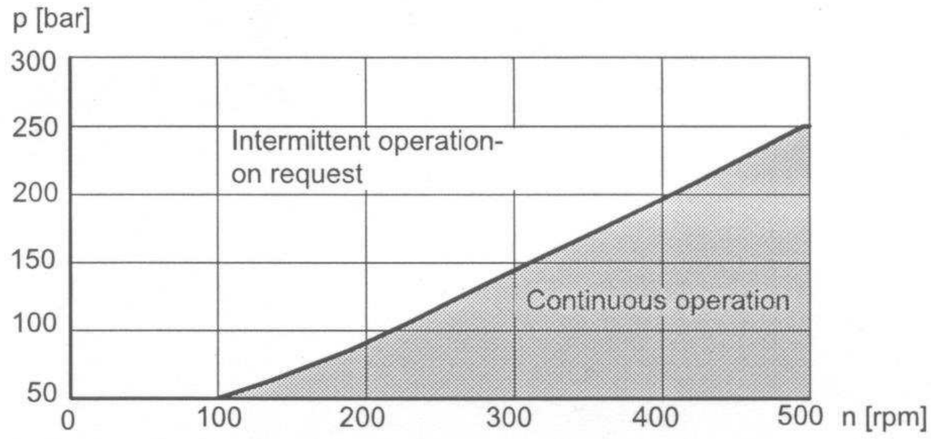
3.3.2 Minimum pressure at suction port as a function of speed

Pump QX53-063 measured: with viscosity 42 mm²/s



3.3.3 Minimum speed as a function of pressure

Pump QX53-063 measured with viscosity 42 mm²/s



1 pressure-holding operation
Q = 0 l/min for up to 60 s