



GRUNDFOS
ECADEMY

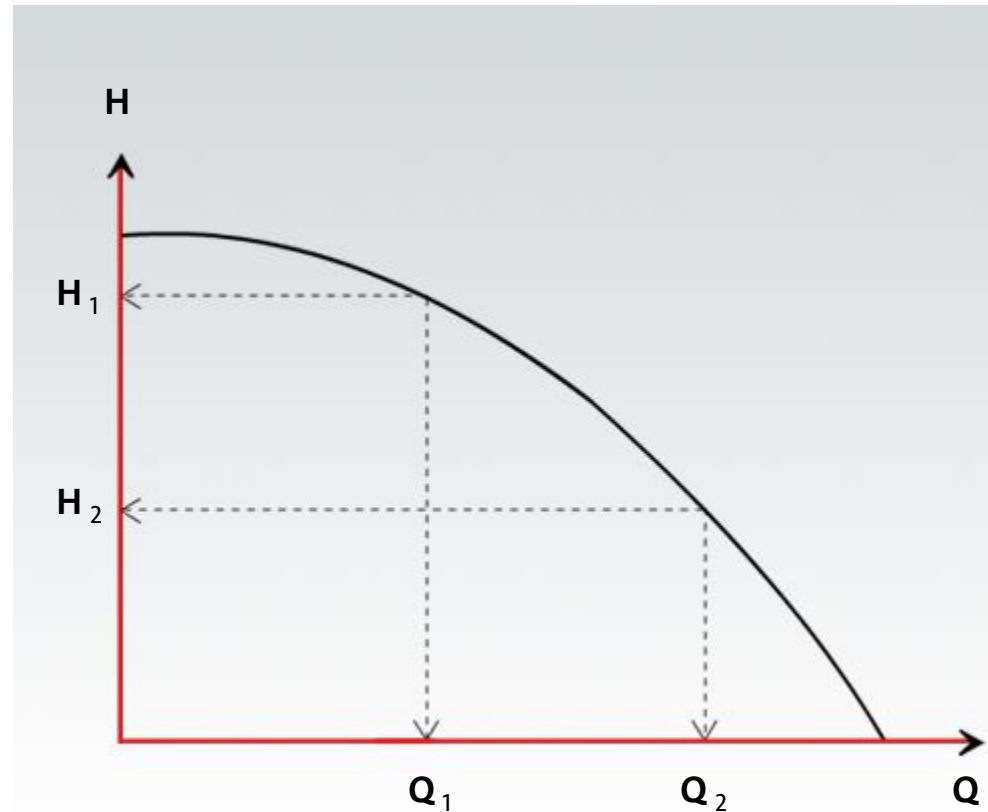
MONITORING AND CONTROLS

READING A PUMP CURVE

Head and flow

When we talk about pumps, we often talk about their Q and H curves.

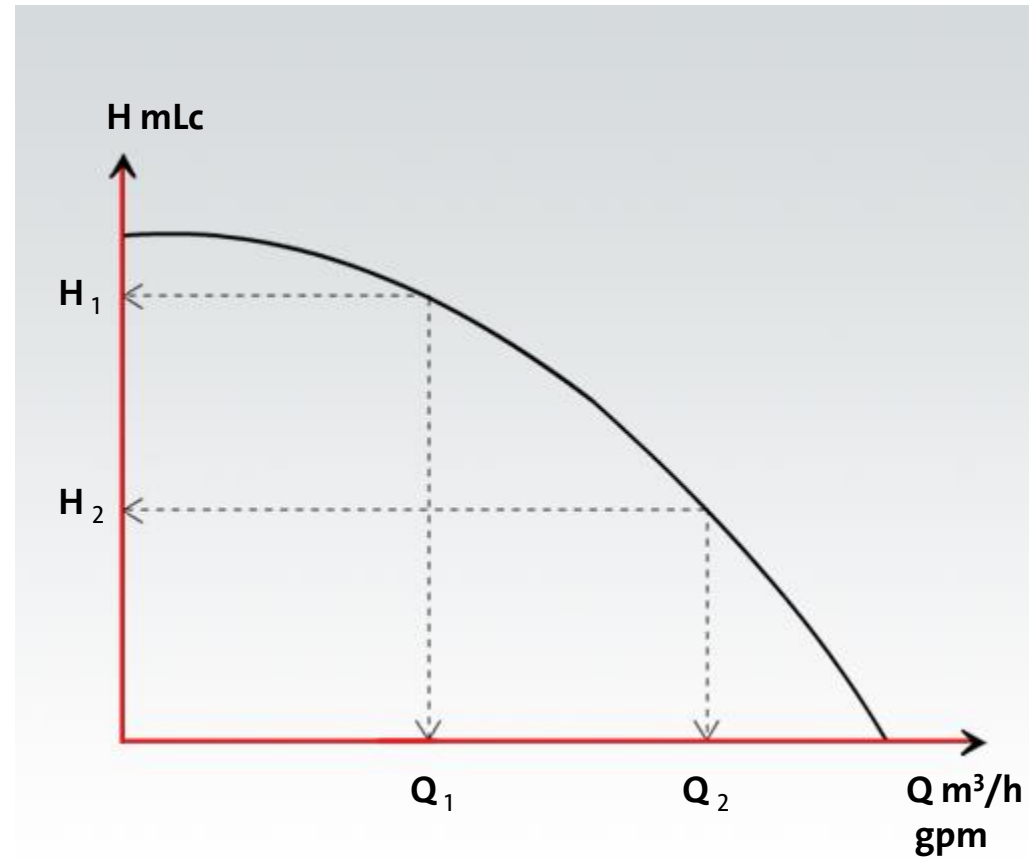
H is the head that the pump is able to produce at a given flow, Q.



Measuring head and flow

In this system of coordinates, the head is measured on the vertical coordinate in meter liquid column (mLc) or just meters (m).

The flow is measured on the horizontal coordinate in meter cubes per hour (m^3/h) or gallons per minute (gpm).

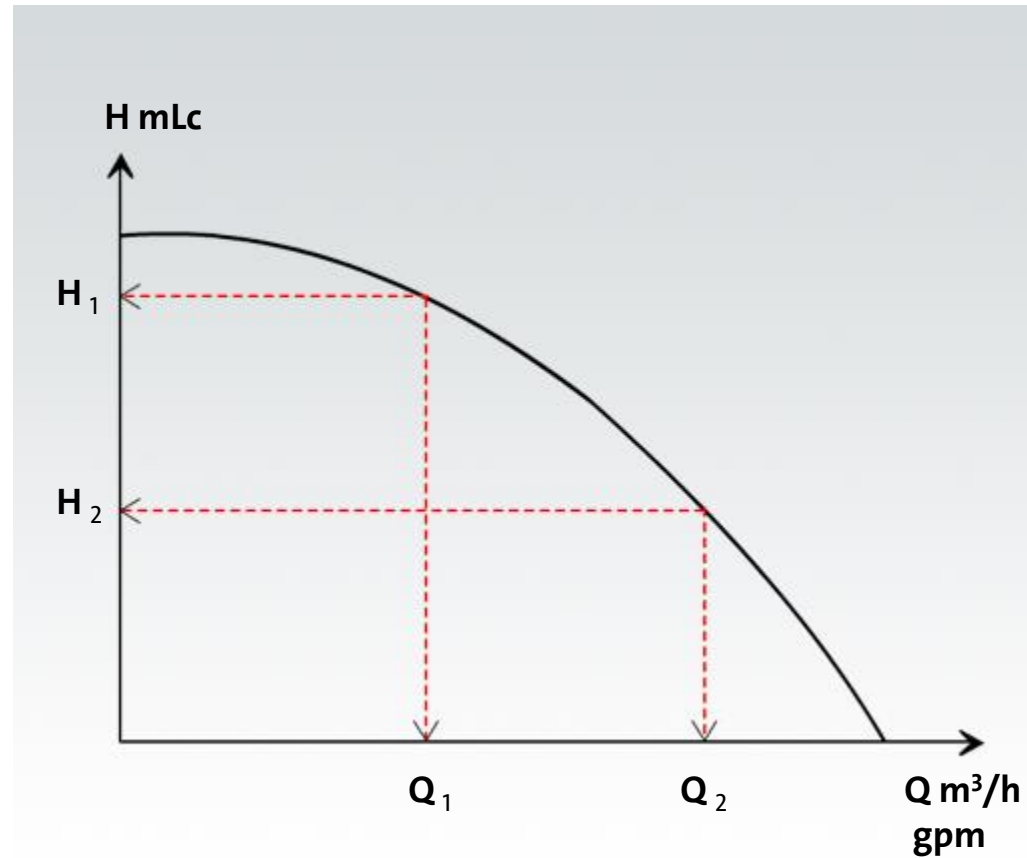


Relationship between head and flow

For a centrifugal pump, the pump curve will look like the curve shown on your screen.

This indicates that if the pump is pumping at a lower flow, it delivers a higher head.

And if a pump is pumping at a higher flow, the head will be lower.





GRUNDFOS
ECADEMY

www.grundfos.com