A typical application of a seat tight proportional flow control cartridge is the lowering and holding of loads such as those used in a forklift truck. The pressure compensator integrated in the valve compensates for any load changes, while the volume flow and thus the traverse speed of the hydraulic cylinder can be controlled very precisely and sensitively via the solenoid current. In the deenergised state, the valve closes tightly and thus the load can be held securely in a desired position.
SYMBOL

Simplified and detailed symbol for QSPPU10

ELECTRONICS

For the control of proportional flow control valves, electronic modules in different executions are available. Regardless of the design, the modules can be programmed using the free parameterisation software PASO.

FEATURES

- Pilot operated
- Seat tight
- Flow rate up to 35 l/min
- Sensitive motion sequences
- Precise spool fit

ADJUSTMENT CHARACTERISTIC

Characteristic of volume flow (Q) as a function of current (I)

Amplifier and controller electronics