

PROPORTIONAL FLOW CONTROL CARTRIDGE

QSPPU10_25

PROPORTIONAL FLOW CONTROL CARTRIDGES

Pilot operated	QSPPU10_25
Q_{max}	35 l/min
$Q_{N max}$	25 l/min
p_{max}	350 bar

DESCRIPTION

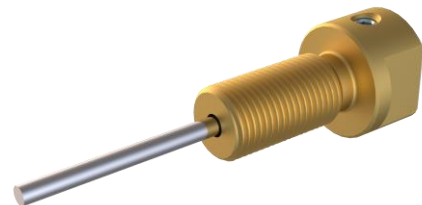
A typical application of a seat tight proportional flow control cartridge is the lowering and holding of loads such as those used in a forklift truck. The pressure compensator integrated in the valve compensates for any load changes, while the volume flow and thus the traverse speed of the hydraulic 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.



Application example forklift truck



Proportional flow control cartridge QSPPU10_25



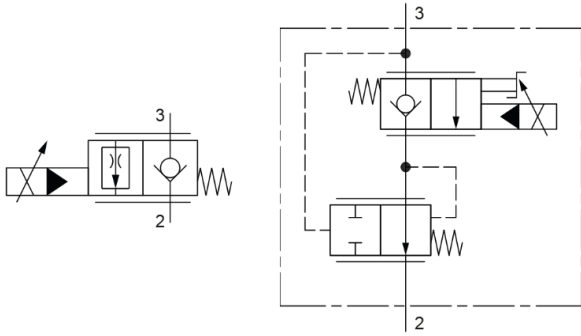
Screw-on manual override

FIELDS OF APPLICATION

Proportional flow control cartridges are suitable for applications where the consumer flow must be kept constant regardless of input and output pressure, such as precise feed control.

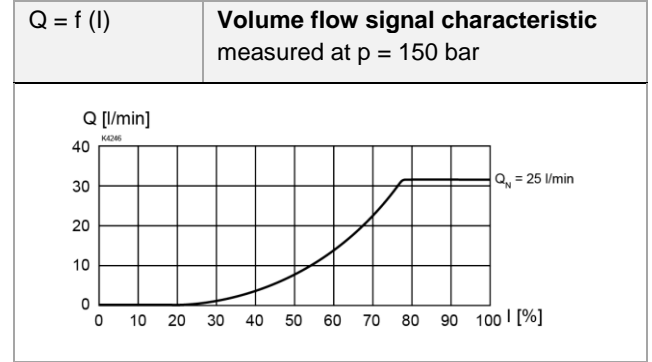


SYMBOL



Simplified and detailed symbol for QSPPU10

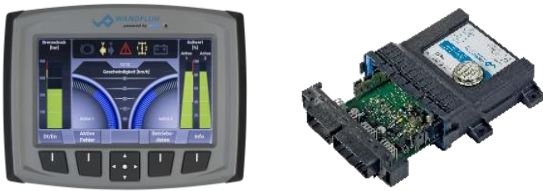
ADJUSTMENT CHARACTERISTIC



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

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.



Amplifier and controller electronics

FEATURES

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

