

The All-In-One-Valve

QSPPM33

Economy and ease of operation are decisive criteria today.

A new principle for the lowering of loads does justice to these demands: The All-In-One-valve.

With this valve, it is possible to comply with the requirements of the EC-guideline EN 1726-1:

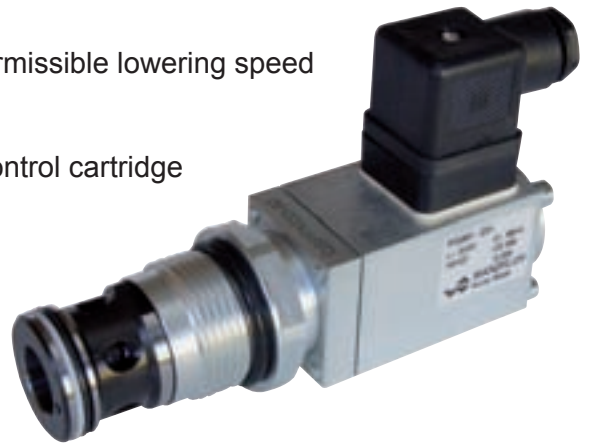
- Maximum permissible lowering speed
- Maximum permissible lowering of a load.

All-In-One

- Poppet valve for the secure holding of a load
- Proportional flow control valve for controlling the speed
- Through-flow limitation for complying with the maximum permissible lowering speed

Screw-in cartridge QSPPM33

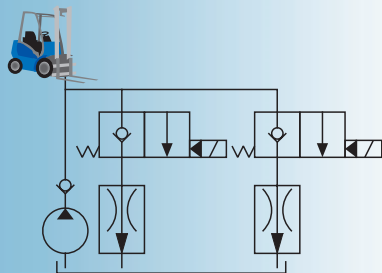
- Tight seating, load-compensated 2-way proportional flow control cartridge
- For cavity M33x2 in accordance with ISO 7789
- Operating pressure $p_{\max} = 250$ bar
- Maximum volume flow $Q_{\max} = 100$ l/min
- Volume flow step $Q_N = 80$ l/min
- Signal hysteresis $< 8\%$
- Nominal voltage 12 VDC and 24 VDC



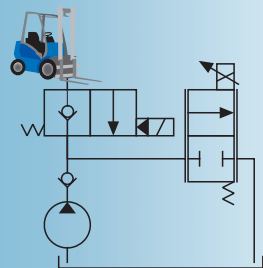
Concepts

Today there are three different basic concepts for lowering a load:

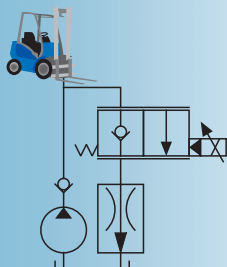
Concept 1



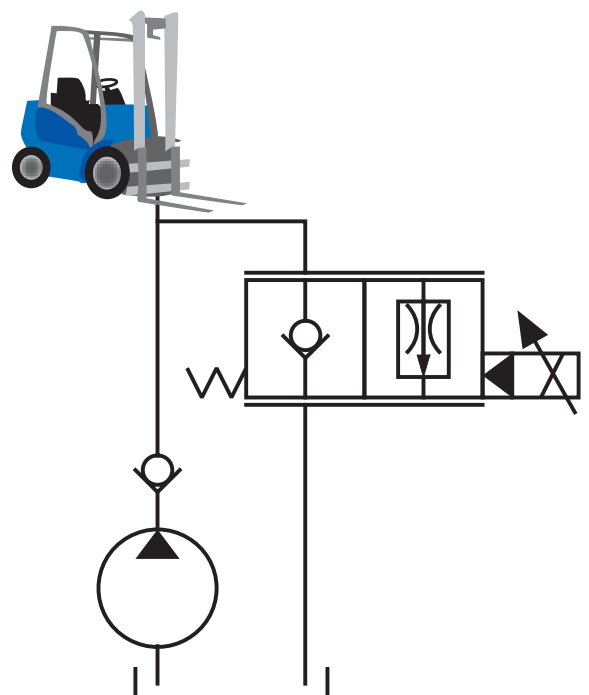
Concept 2



Concept 3



The All-In-One-Concept with the Wandfluh-valve

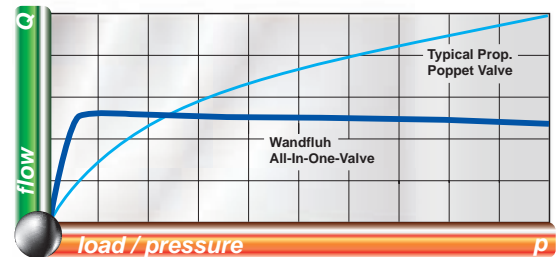
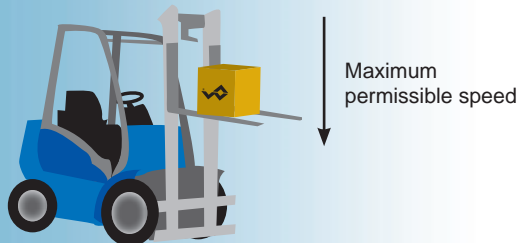


Advantages of the All-In-One-concept:

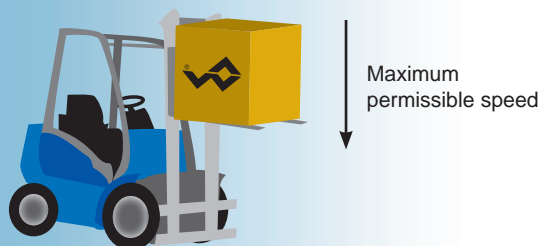
- 3 functions in a single valve
- Only one cavity for the modular construction
- Only one solenoid for the electrical driving

Advantages of the All-In-One - valve (QSPPM33):

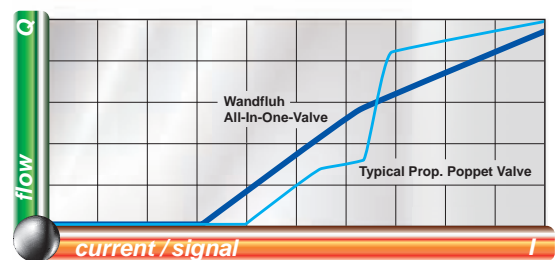
- High lowering speed in case of a light load thanks to an optimised volume flow/pressure characteristic



- Maximum permissible lowering speed in case of a heavy load thanks to the through-flow limitation



- Smooth handling thanks to an optimised volume flow/signal characteristic curve and a signal hysteresis of < 8%



- No lowering, also in the case of heavy loads, thanks to the tight seating execution



Applications

- Forklift trucks, cranes, elevating platforms, lifts/elevators, etc.
- Direct installation in the pump flange of a Mini-Powerpack

Further Information

You will find further technical information on the corresponding data sheet 2.6-661 or on our website. We will be happy to advise you in the selection of the suitable components for your application.

Do not hesitate to contact us.

www.wandfluh.com