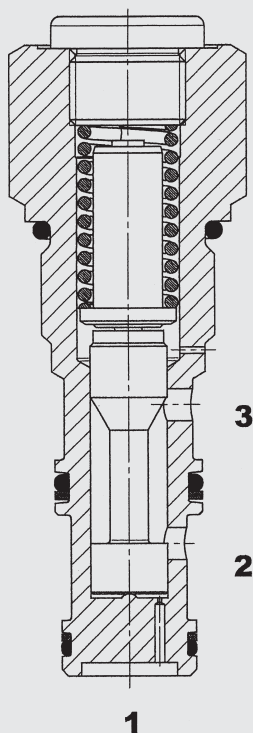


up to 130 l/min  
up to 250 bar

## FUNCTION



The pressure compensator DWY12130 is a direct-operated, spring-loaded flow control valve, which is normally open.

By maintaining a constant differential between inlet and outlet pressure of an orifice (ports 1 and 3 of the pressure compensator) a constant flow rate is maintained (independently of the load pressure). As soon as the pressure differential exceeds the value pre-set by the spring force the control piston reduces an orifice cross-section.

The pressure compensator can, for example, be used when lowering variable loads at the same velocity. Together with a proportional flow control valve it can be used as a 2-way flow regulator.

In load sensing circuits in which actuators are operated in parallel, each one can be individually speed-controlled.

## Pressure Compensator, Spool Valve, Direct-Operated, Normally Open Cartridge Valve - 250 bar

### DWY12130

## GENERAL

- Used to control the flow rate of actuators independently of the pressure
- Models for two different control pressure differentials and for flow rates of up to max. 130 l/min
- Excellent stability throughout flow range
- All surfaces zinc-plated and corrosion-proof
- All valve parts made of high strength steel with hardened and ground components to ensure minimal wear and to extend service-life
- Rigid design using one-piece body minimizes the effect of eccentricities in cavity and maximizes reliability
- Reliable operation due to integral stroke limitation

## SPECIFICATIONS

Operating pressure:	max. 250 bar	
Flow rate:	max. 130 l/min	
Control accuracy:	+/- 10 %	
Temperature range of operating fluid:	min. -20 °C to max. +80 °C	
Ambient temperature range:	min. -20 °C to max. +80 °C	
Operating fluid:	Hydraulic oil to DIN 51524 Part 1 and 2	
Viscosity range:	10 mm <sup>2</sup> /s to max. 420 mm <sup>2</sup> /s recommended	
Filtration:	Permissible contamination level of the operating fluid to ISO 4406 class 21/19/16 or cleaner	
Mounting position:	Optional	
Materials:	valve body:	high-strength steel
	spool:	hardened and ground steel
	seals:	FKM
	back-up rings:	PTFE
Cavity:	metric 12130	
Weight:	0.35 kg	

