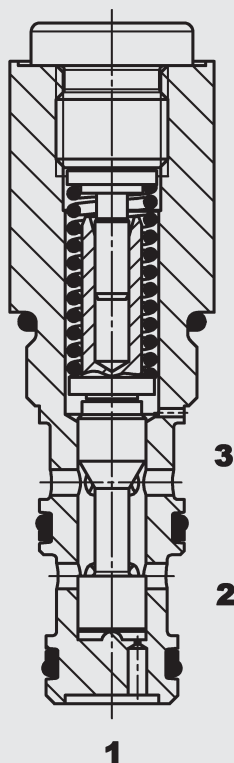


up to 30 l/min  
up to 250 bar

## FUNKTION



The pressure compensator DWY08130 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 proportional 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

DWY08130

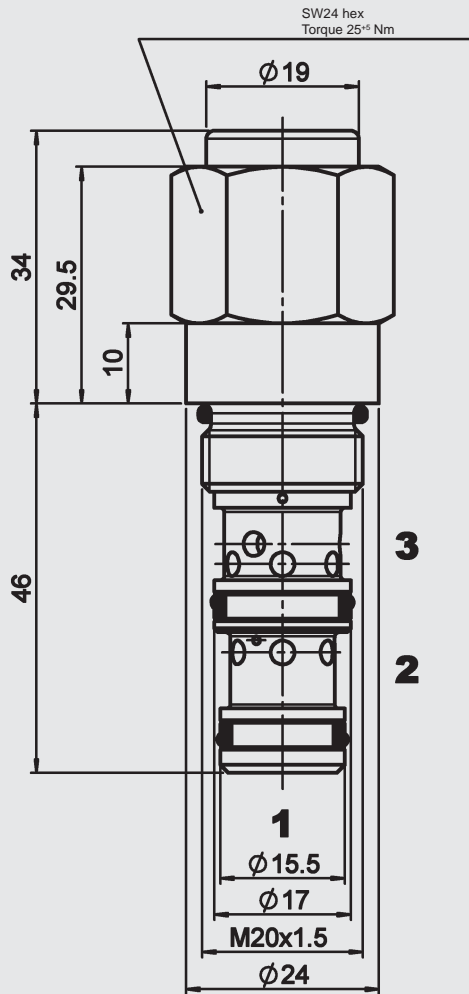
### GENERAL

- Used to control the flow rate of actuators independently of the load
- Available in models for two different control pressure differentials and for flow rates of up to max. 30 l/min
- Excellent stability over the whole pressure and flow range
- Excellent dynamics
- All surfaces zinc-plated and corrosion-proof
- Minimal wear and long service life due to hardened and ground valve components.
- Rigid design using one-piece body minimises the effect of eccentricities in cavity and maximises reliability.
- Reliable operation due to integral stroke limitation.
- Internal relief of the load sensing line.

### SPECIFICATIONS

Operating pressure:	max. 250 bar	
Nominal flow:	max. 30 l/min	
Media operating temp. range:	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:	min. 10 mm <sup>2</sup> /s to max. 420 mm <sup>2</sup> /s	
Filtration :	Permissible contamination level of the operating fluid to ISO 4406 class 21/19/16 or cleaner	
Installation:	Optional	
Materials:	valve body:	high tensile steel
	spool:	hardened and ground steel
	seals:	NBR
	back-up rings:	PTFE
Cavity:	metric 08130	
Weight:	0.17 kg	

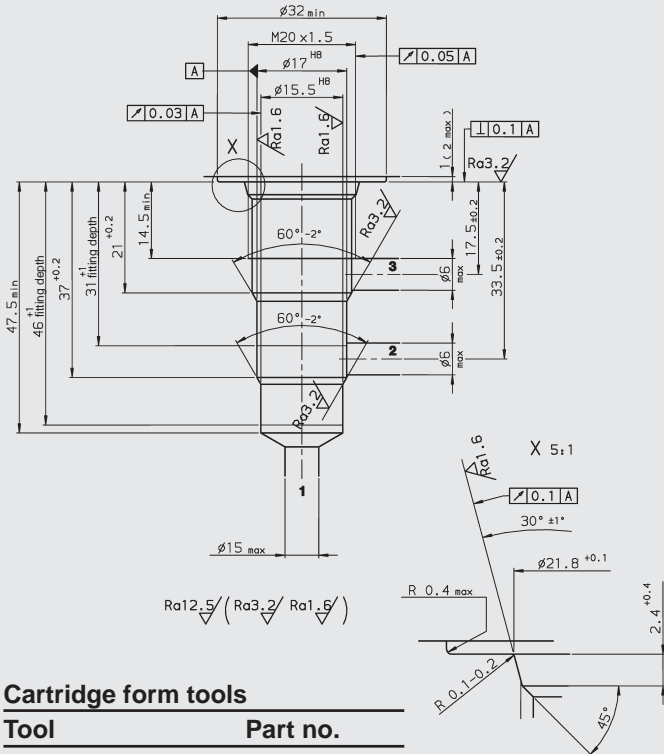
## DIMENSIONS



Millimetre  
Subject to technical modifications

## CAVITY

Metric 08130



Millimetre  
Subject to technical modifications

### Cartridge form tools

Tool	Part no.
Countersink MK3	169265
Reamer MK2	163639

## MODEL CODE

DW Y 08130 - 01 X - 07

**Designation** \_\_\_\_\_  
Pressure compensator

**Function code** \_\_\_\_\_  
Y = normally open

**Cavity ISO** \_\_\_\_\_

**Type** \_\_\_\_\_  
01 = standard, with damping

**Series** \_\_\_\_\_  
(determined by manufacturer)

**Control pressure differential** \_\_\_\_\_  
07 = 7 bar differential pressure  
15 = 15 bar differential pressure

### Standard models

Designation	Part no.
DWY08130-01X-07	3154129
DWY08130-01X-15	3036905

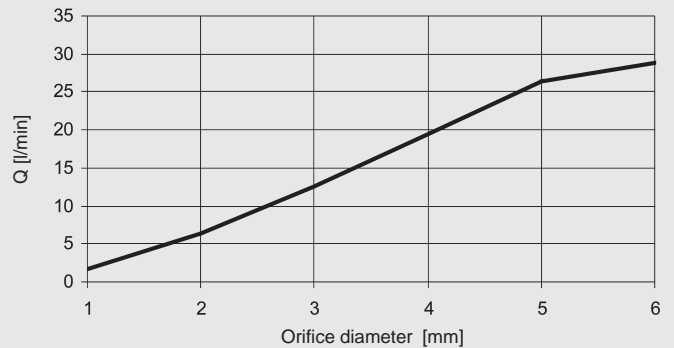
### Inline connection housings

Code	Part no.	Material	Ports
R08130-01X-01	394488	Steel, zinc-plated	G 3/8
R08130-01X-02	394378	Steel, zinc-plated	M14 x 1.5

## FLOW GRAPH

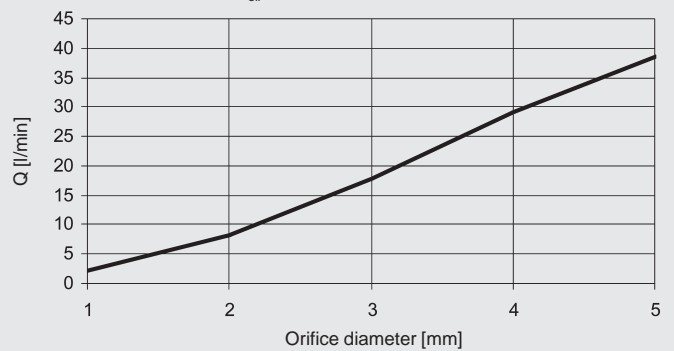
DWY08130-01X-07

measured at 33 mm<sup>2</sup>/s, T<sub>oil</sub> = 46 °C



DWY08130-01X-15

measured at 33 mm<sup>2</sup>/s, T<sub>oil</sub> = 46 °C



### NOTE

The information in this brochure relates to the operating conditions and applications described. For applications or operating conditions not described, please contact the relevant technical department. Subject to technical modifications.

### HYDAC Fluidtechnik GmbH

Justus-von-Liebig-Str.  
D-66280 Sulzbach/Saar  
Tel: 0 68 97 /509-01  
Fax: 0 68 97 /509-598  
E-Mail: flutec@hydac.com