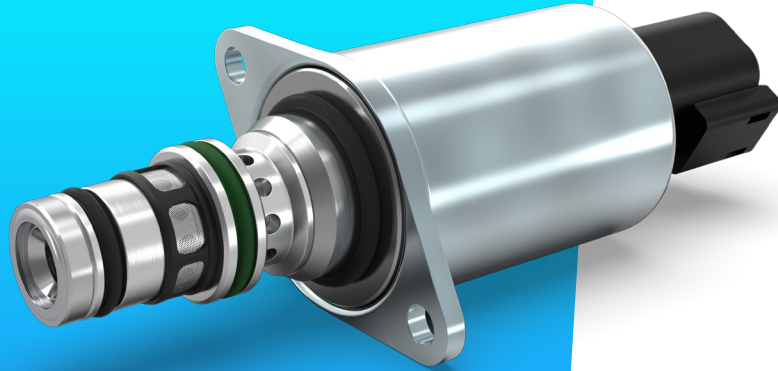


Directional Control Valve DCSD06 – On/Off NG



Product classification

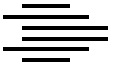
Name	Max volume flow @ 6 bar dp
DCSD 04	7 l/min
DCSD 05	10 l/min
DCSD 06	15 l/min
DCSD 09	30 l/min

Proportional
valves

**Directional
valves**

Smart
products

Special
designs



Hydraulic Data

Max pressure pump	$P_p = 60 \text{ bar}$
Max pressure tank	$P_T = 60 \text{ bar}$
Max pressure work	$P_A = 50 \text{ bar}$
Contamination level	Min Filtration: 21/19/14 According to ISO 4406
Fluid	Mineral Oil According to DIN 51524
Temperature range fluid	-30°C to +105°C
Leakage (internal)	< 0,04 l/min (de-energized) < 0,04 l/min (energized)
Filterscreen size	140 μm (P-Port)

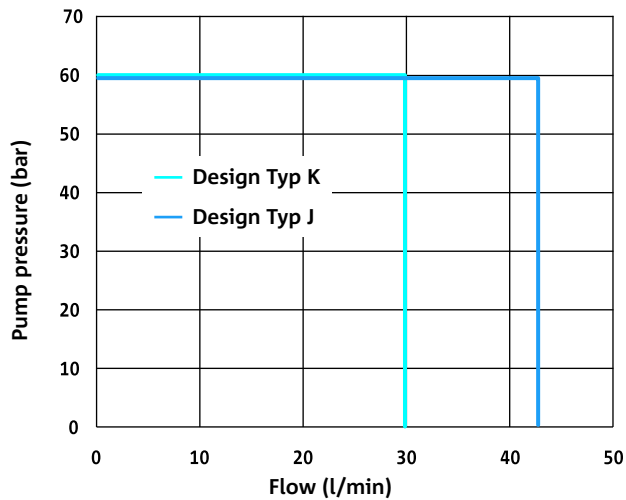
* The reported data are measured @ $P_p=41 \text{ bar}$ and an oil viscosity of 32 cSt

Electrical Data

Voltage	12 V	24 V
Resistance	8,15 $\Omega \pm 5\%$	32,5 $\Omega \pm 5\%$
Current range	0 to 1500 mA	0 to 750 mA
Voltage supply	9 to 16 V	18 to 32 V
Type of control	Current control PWM 180 Hz recommended Direct voltage control possible	
Connector	AMP Junior timer Deutsch Connector DT04-2P	
Protection class	up to IP6K6 / IPX9K	
Switching times	$t_{on} < 45 \text{ ms}$ ($p_A = 0\%$ to 90%) $t_{off} < 45 \text{ ms}$ ($p_A = 100\%$ to 10%)	

Switching limits (average characteristic)

Switching limits for the preferred port assignment



Additional data

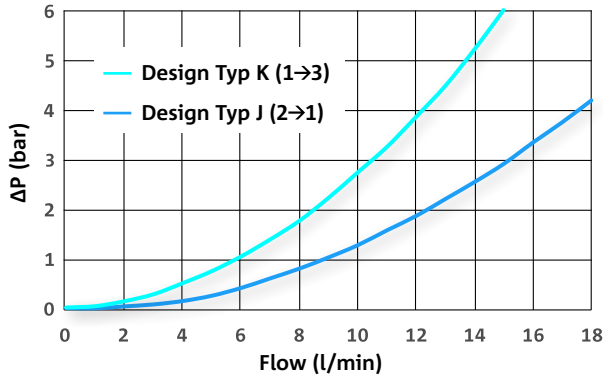
Weight	approx. 235 g
Mounting position (recommended)	any
MTTF _d -value	150 years
Reference	Valve specifications according to Thomas LHP 87



Flow characteristics (Average characteristic)

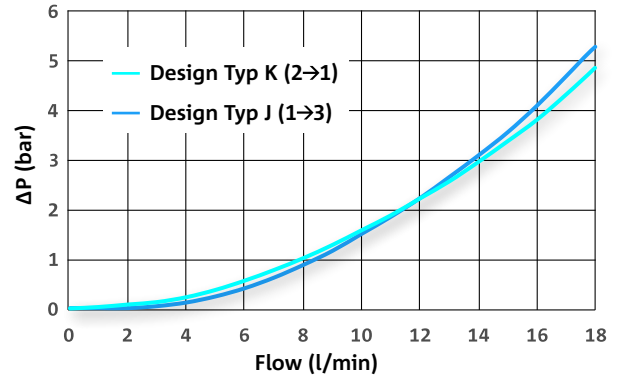
PRESSURE DROP AT DE-ENERGIZED STATE

Valve only



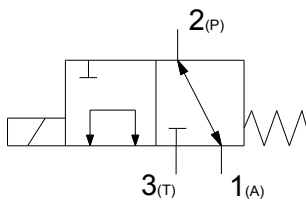
PRESSURE DROP AT ENERGIZED STATE

Valve only

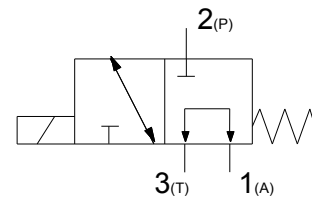


Hydraulic schematic

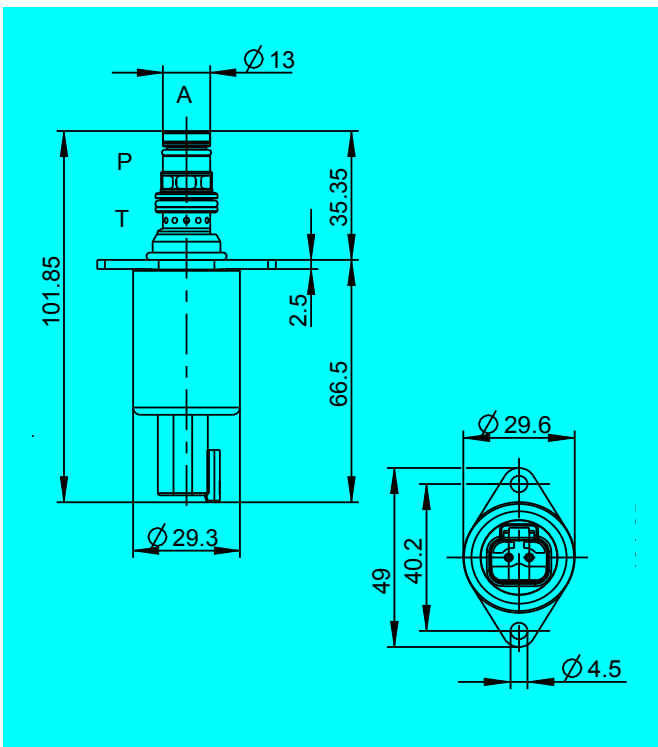
Design „J“



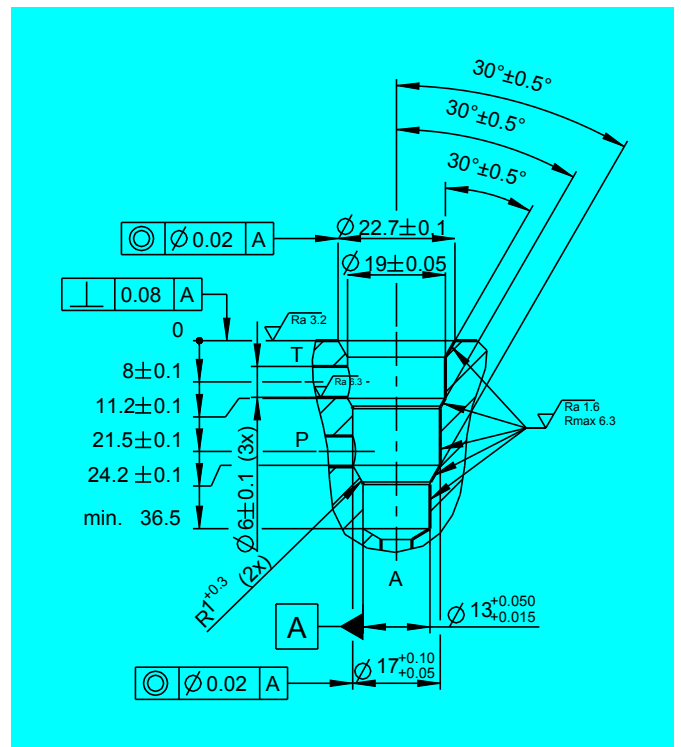
Design „K“



Dimensions with Deutsch Connector* (All dimensions in mm)



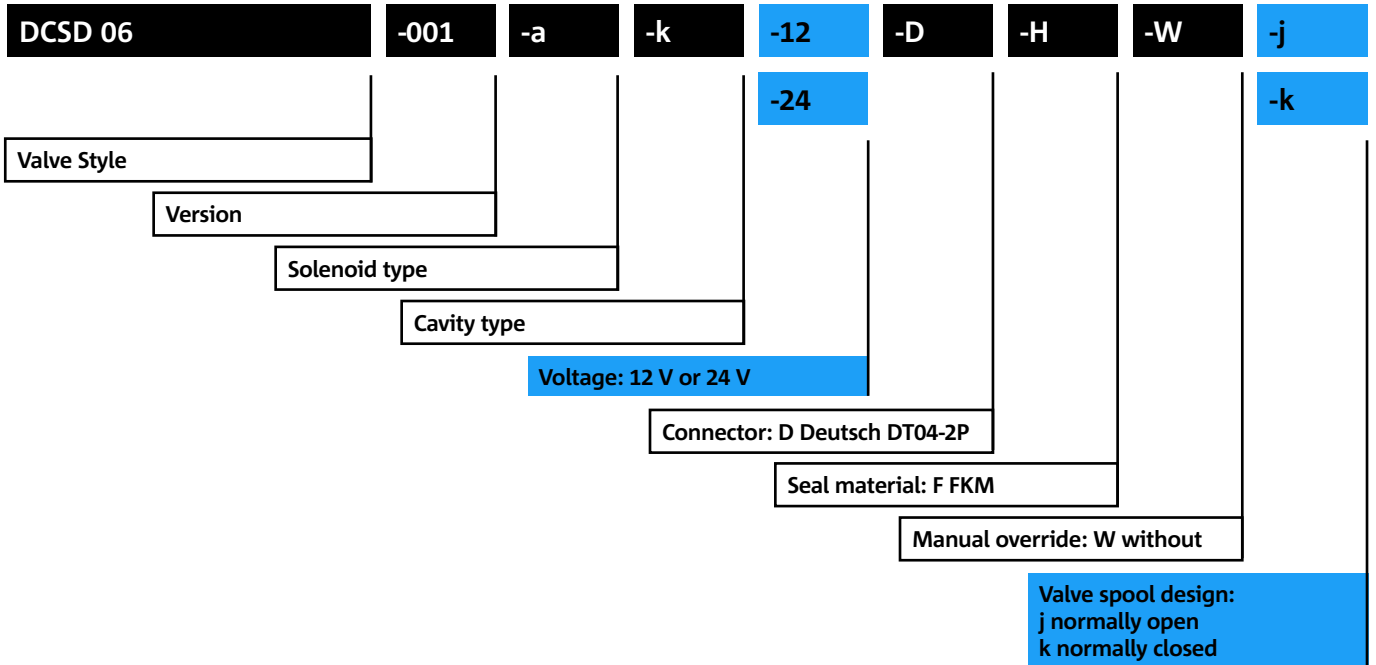
Cavity Dimensions (All dimensions in mm)



* Dimensions for AMP Jr. Connector available on request.



Model code



- Defined by Thomas
- Customers choice

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