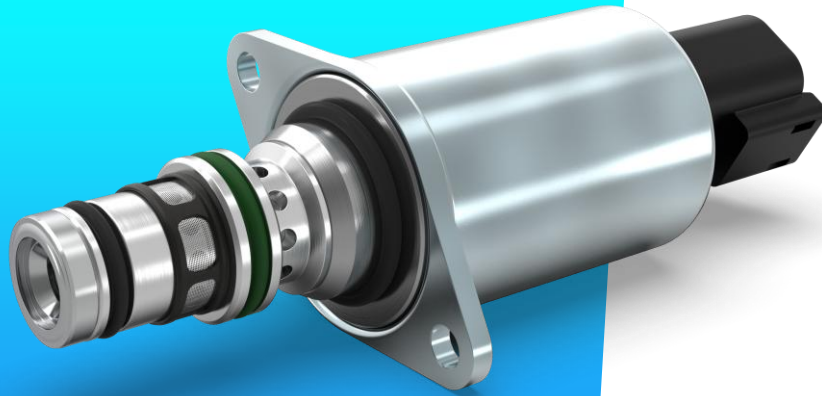


NG-DCSD06

On/Off Valve



Product classification

Name	Max volume flow @ 6 bar dp
DCSD04	7 l/min
DCSD05	10 l/min
DCSD06	15 l/min
DCSD09	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)

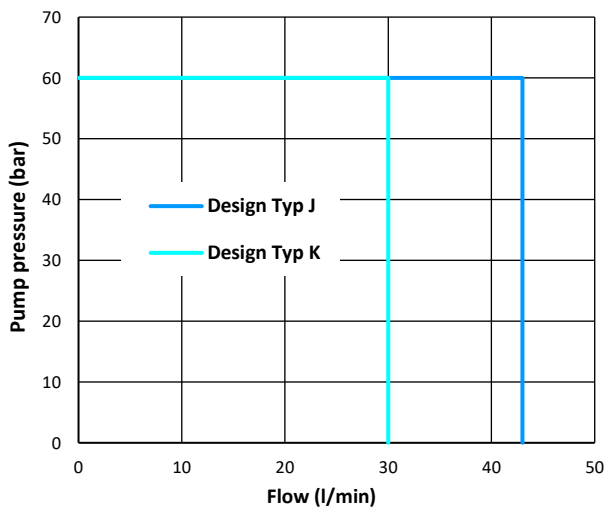
* The reported data are measured @ $P_p=41 \text{ bar}$ and an oil viscosity of 32 cSt

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 time	$t_{on} < 45 \text{ ms}$ (pA = 0% to 90%) $t_{off} < 45 \text{ ms}$ (pA = 100% to 10%)	

Switching limits (Average characteristic)

Switching limits for the preferred port assignment



Additional data

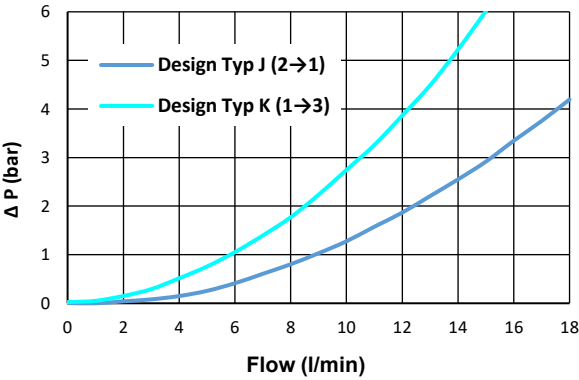
Weight	approx. 235 g
Mounting Position (recommended)	any
MTTF _d -value	150 years
Reference	Valve specifications according to Thomas LHP 87



Flow characteristics (Average characteristic)

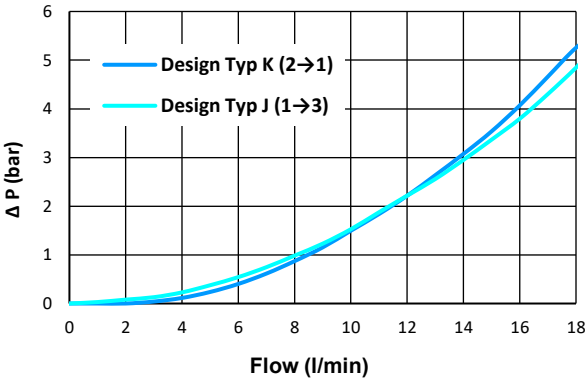
PRESSURE DROP AT DE-ENERGIZED STATE

Valve only



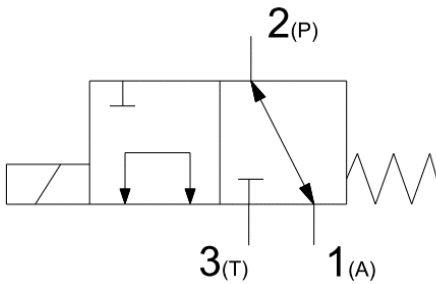
PRESSURE DROP AT ENERGIZED STATE

Valve only

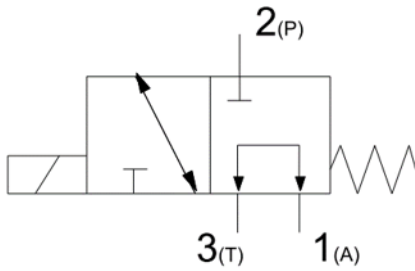


Hydraulic schematic

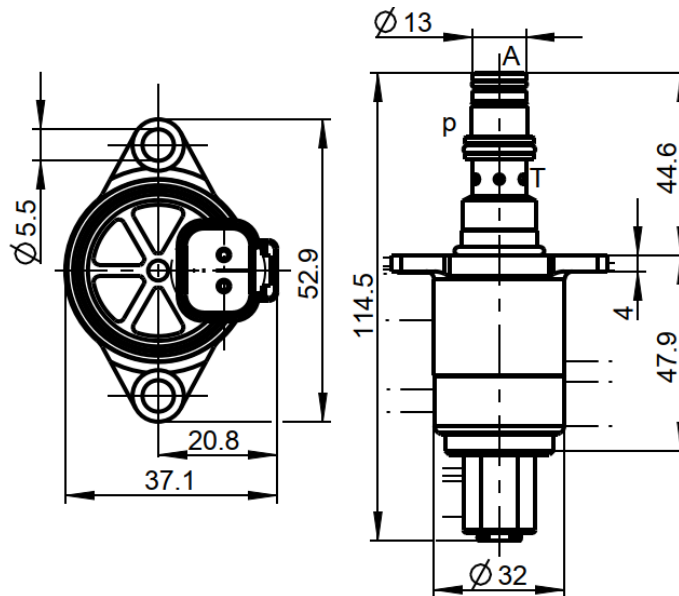
Design „J”



Design „K”

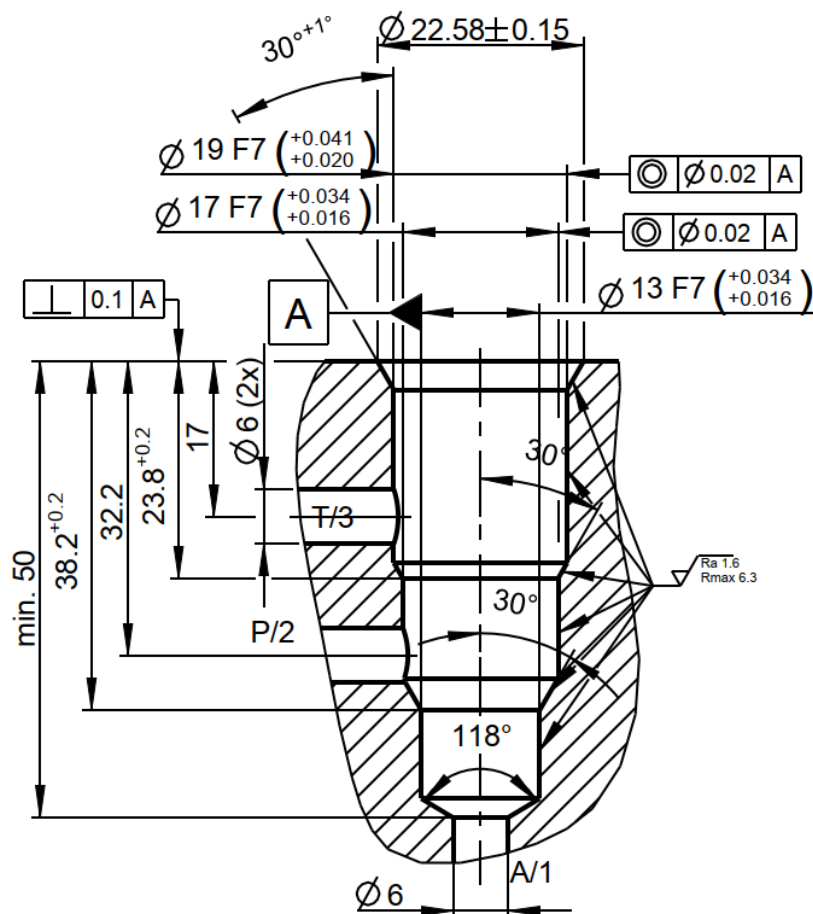


Dimensions with Deutsch Connector* (All dimensions in mm)



* Dimensions for AMP Jr. Connector and Lead wires available on request.

Cavity Dimensions (All dimensions in mm)





Model code

DCSD06	-001	-a	-k	-12	-D	-H	-W	-j
				-24				-k
Valve style								
Version								
Solenoid type								
Cavity type								
				Voltage: 12 V or 24 V				
					Connector: D Deutsch DT04-2P			
						Seal material: F FKM		
							Manual override: W without	
								Valve spool design: J normally open K normally closed

- Defined by Thomas
- Customers choice

DISCLAIMER



The presented information is based on current knowledge and provides only non-binding information to the customer. Any liability in connection with this information is excluded. It is the responsibility of the customer to determine the suitability and appropriateness of the product for his intended purpose. We reserve the right to change the product with regard to technical progress and new developments.

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