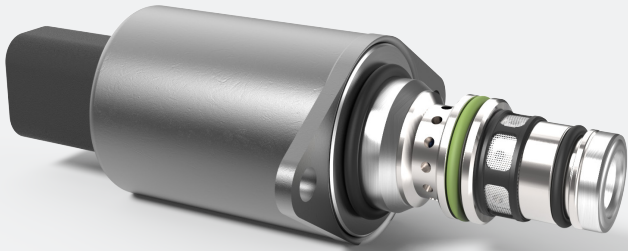


Directional Control Valve DCSD06 – On/Off NG



PRODUCT CLASSIFICATION

Directional valves

Proportional valves

Smart products

Special designs

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

HYDRAULIC DATA

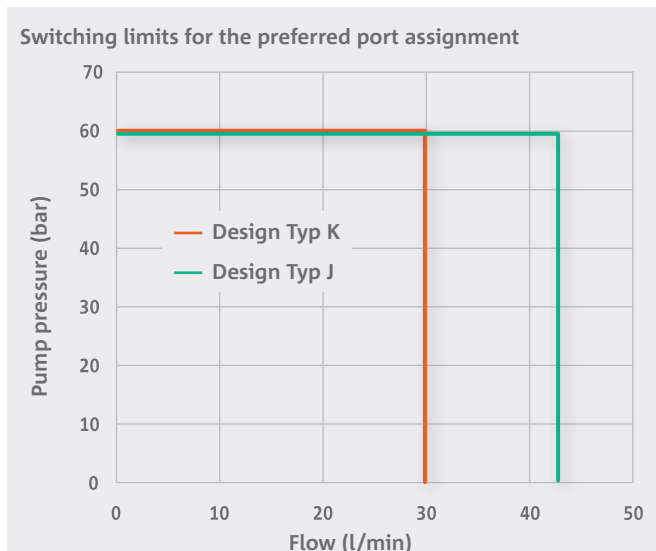
Max pressure pump	$P_p = 60$ bar
Max pressure tank	$P_T = 60$ bar
Max pressure work	$P_A = 50$ bar
Contamination level	Min Filtration: 21/19/14 According to ISO 4406
Fluid	Mineral Oil According to DIN 51524
Temperature range fluid	-30°C to +105°C
Leakage (internal)	< 0,04 l/min (de-energized) < 0,04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

* The reported data are measured @ $P_p=41$ 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	$t_{on} < 45$ ms (pA = 0% to 90%) $t_{off} < 45$ ms (pA = 100% to 10%)	

SWITCHING LIMITS (AVERAGE CHARACTERISTIC)



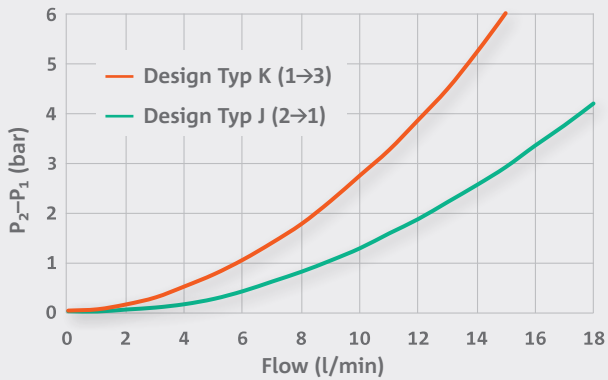
ADDITIONAL DATA

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)

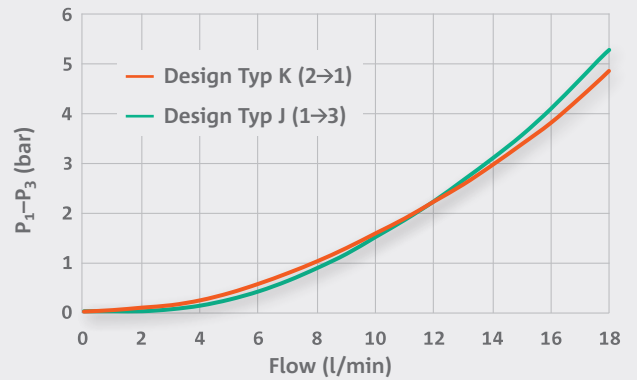
PRESSURE DROP AT DE-ENERGIZED STATE

Valve only



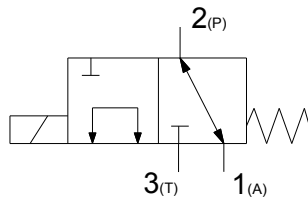
PRESSURE DROP AT ENERGIZED STATE

Valve only

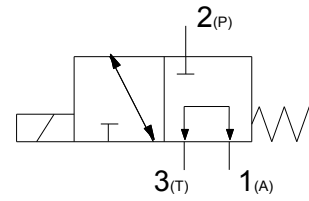


HYDRAULIC SCHEMATIC

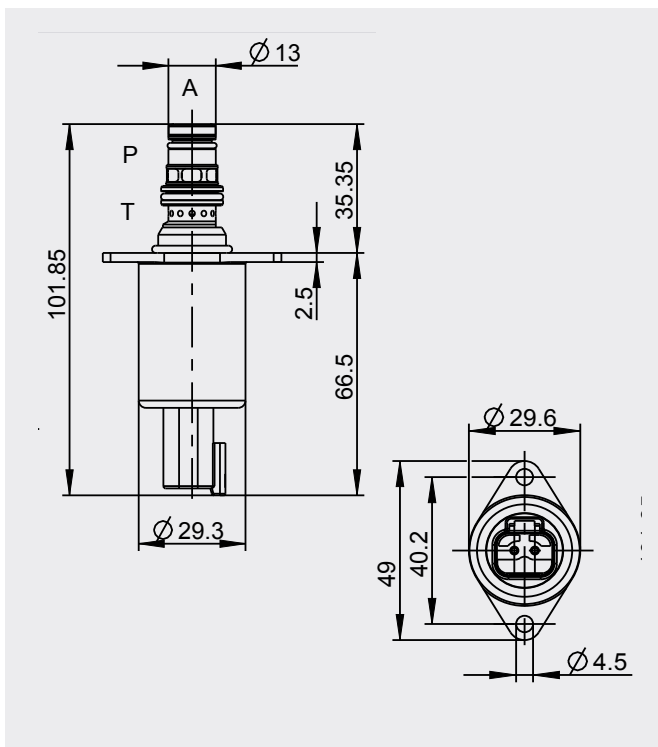
Design „J“



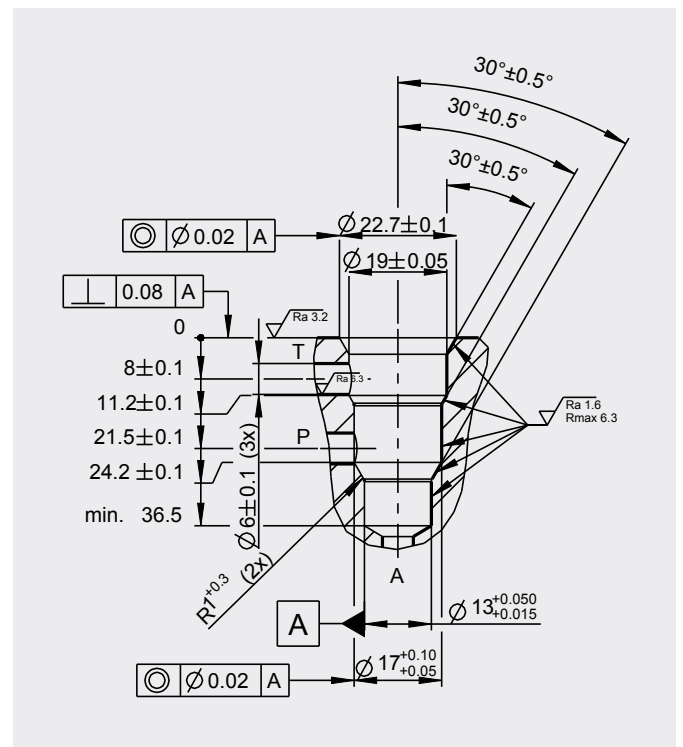
Design „K“



DIMENSIONS WITH DEUTSCH CONNECTOR* (All dimensions in mm)



CAVITY DIMENSIONS (All dimensions in mm)



* Dimensions for AMP Jr. Connector available on request.

MODEL CODE

DCSD 06	-001	-a	-k	-12	-D	-H	-0	-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: 0 without

Valve spool design:
j normally open
k normally closed

- Defined by Thomas
- Customers choice

CONTACT DETAILS



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DISCLAIMER



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