





preliminary August 2023 //
now also available with 90° connector

Product classification

Name	Max volume flow @ 6 bar dp	
PPCD 03	1,25 l/min	
PPCD 04	2,5–5 l/min	
PPCD 05	10 l/min	Direct controlled
PPCD 06	15 l/min	Direct controlled
PPCD 08	20 l/min	
PPCD 09	30 l/min	
PPCP 09	35 l/min	Dilat aparated
PPCP 13	72 l/min	Pilot operated

Proportional valves









Hydraulic Data

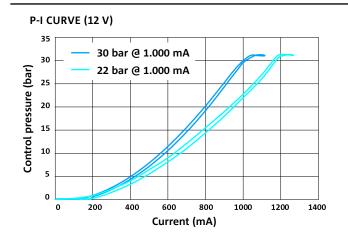
Max pressure pump	P _p = 32 bar	
Max pressure tank	P _T = 10 bar	
Max pressure work	P _A = 30 bar @ 1000mA / 500mA P _A = 22 bar @ 1000mA / 500mA	
Hysteresis	< 2 % of the nominal pressure at tbd. Hz PWM signal	
Contamination level	Min Filtration: 18/15/13 According to ISO 4406	
Fluid	Mineral Oil According to DIN 51524	
Temperature range fluid	-30°C to +105°C	
Leakage (internal)*	< 1,25 l/min (de-energized) < 1,5 l/min (energized) caused by the pilot flow	
Filterscreen size	320 μm (P-Port)	

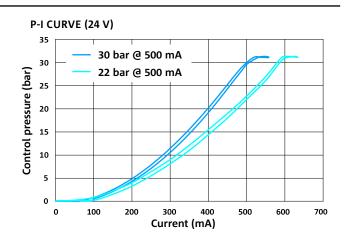
Electrical Data

Voltage	12 V	24 V
Max current	1000 mA	500 mA
Resistance	5,3 Ω ± 5% (7,7 Ω ± 5%)	21,2 Ω ± 5% (31,0 Ω ± 5%)
Type of control	Recommended: Dither 100 Hz (Amplitude PTP: 400mA @ 12V, 200mA @ 24V)	
Connector	AMP Junior timer Deutsch Connector DT04-2P 90° Deutsch Connector DT04-2P	
Protection class	up to IP6K6 / IPX9K / IPX7	

^{*} The reported data are measured @ P_p = 32 bar and an oil viscosity of 32 cSt

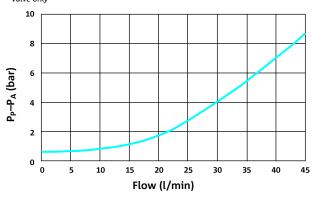
Current vs. Pressure (Average characteristic)



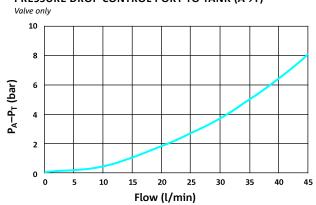


Flow characteristics (Average characteristic)

PRESSURE DROP PUMP TO CONTROL PORT (P \rightarrow A) Valve only

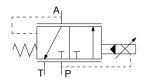


PRESSURE DROP CONTROL PORT TO TANK (A->T)





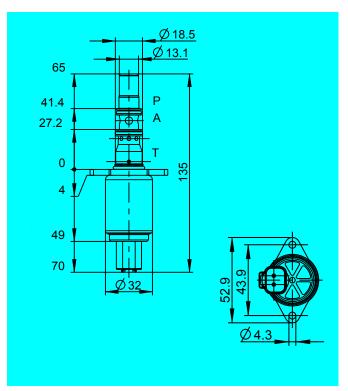
Hydraulic schematic



Additional data

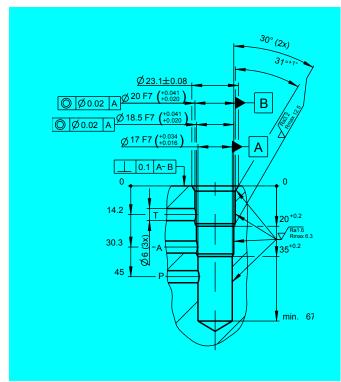
Weigth	approx. 270 g
Mounting position (recommended)	any
MTTF _d -value	150 years
Reference	Valve specifications according to Thomas LHP 79

Dimensions with Deutsch Connector* (All dimensions in mm)



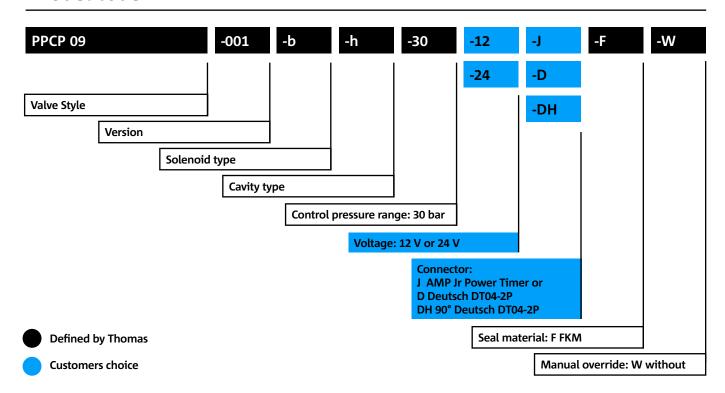
* Dimensions for AMP Jr. Connector available on request.

Cavity Dimensions (All dimensions in mm)





Model code





DISCLAIMER

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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.