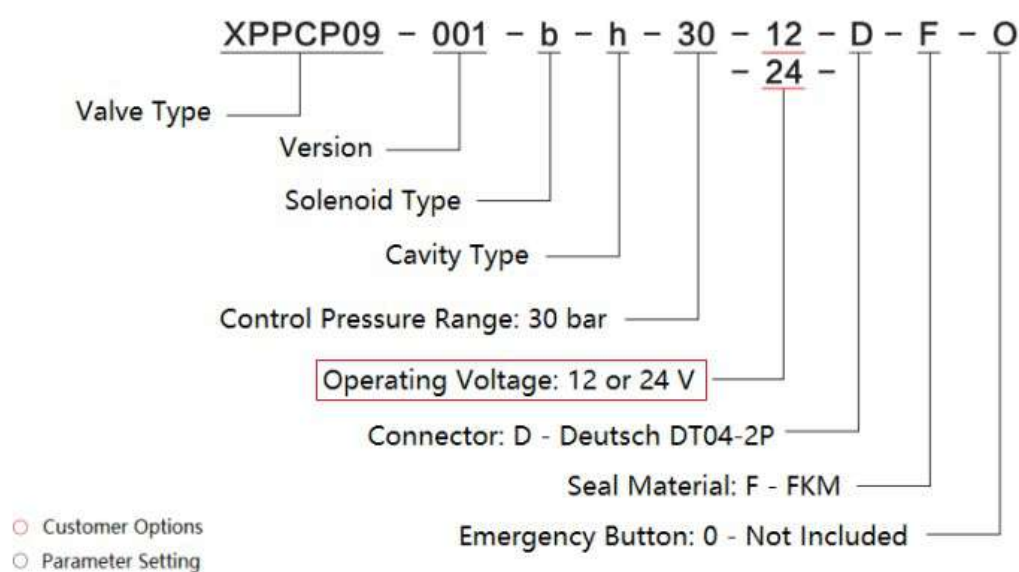




Hydraulic Parameters	
Maximum Supply Pressure	Pp = 32 bar
Maximum Return Pressure	PT = 10 bar
Maximum Working Pressure	PA = 30 bar
Hysteresis	< 2% of rated control pressure Recommended PWM drive frequency: 600 Hz
Maximum Allowable Fluid Contamination Level	ISO 4406 18/15/13
Working Medium	Mineral oil, compliant with DIN 51524 standard
Operating Fluid Temperature Range	-30 ° C to 100 ° C
Internal Leakage	< 1.25 L/min (de-energized) < 1.50 L/min (energized)
Filter Screen Specification	320 μm (Port P)

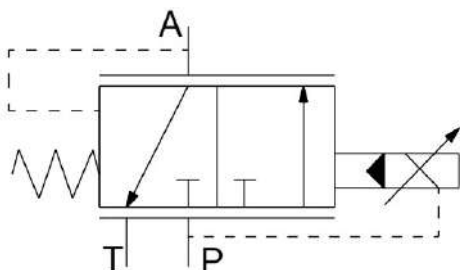
Electrical Parameters		
Operating Voltage	12V	24V
Operating Current	0~1000 mA	0~500 mA
Coil Resistance Range (at 20°C)	7.7 Ω ±5%	31.0 Ω ±5%
Control Method	PWM drive frequency: 600 Hz	
Connector	Deutsch DT04-2P	
Protection Rating	Up to IP6K6 / IPX9K	
Response Time (ms)	t on < 40 ms (pA = 0% → 90%) t off < 40 ms (pA = 100% → 10%)	

*Test conditions for related data: Pp = 32 bar, oil viscosity = 32 cSt.

Product Overview

The XPPCP09 series is a direct-acting proportional pressure control valve, specially designed for pilot control in mobile hydraulic systems. It provides stable and precise pressure regulation via PWM signal, with fast response, low hysteresis and ultra-low internal leakage.

Built for harsh working environments, it features high protection ratings, wide operating temperature range and long service life, making it widely used in construction machinery, agricultural equipment, special vehicles and electro-hydraulic actuator systems.



Control Type	2-position, 3-way	
De-energized	Flow from Port A to Port T	
Energized	Flow from Port P to Port A	

