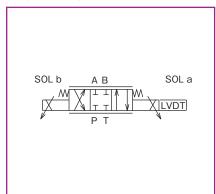


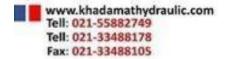
Hydraulic symbols



Overview

Direct operated type solenoid proportional control valve consists of DC proportional solenoid with differential transformer (LVDT) and spring balance type spool valve, and spool displacement amount is detected by LVDT to make miner feedback.

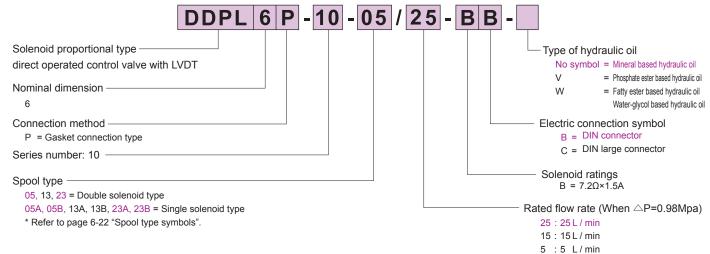
The valve is used with a special controller to allow operating direction and flow rate to be controlled in proportion to the controller input voltage.



Features

- It has high response and high accuracy, and high performance equivalent to those of a simple servo valve.
- 2. The dead zone for flow rate adjacent to the neutral point is small.
- The structure is simple and maintenance is easy.

Type indication



Sub-plate

Valve type	Sub-plate type	Connection diameter	Mass	
DDPL6	P-DE6R14-0	Rc1/4	1.0kg	
	P-DE6G14-0	G 1/4		
	P-DE6R38-0	Rc3/8	1.3kg	
	P-DE6G38-0	G3/8		

When you use a sub-plate, please place an order for the above sub-plate type.

For the dimension drawing, refer to page 11 of the appendix.

Accessories

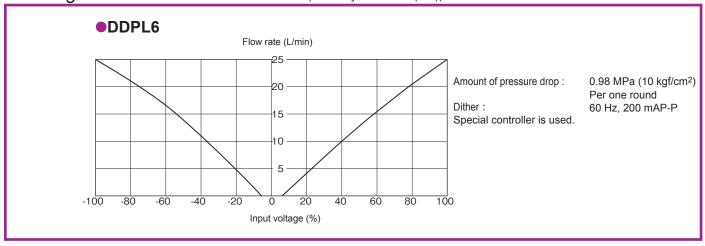
Mounting bolt

Туре	Hexagon socket head cap thread	Quantity	Tightening torque N ⋅ m (kgf ⋅ cm)
DDPL6	M5×50L	4 pcs.	6.9±1.0 (70±10.5)

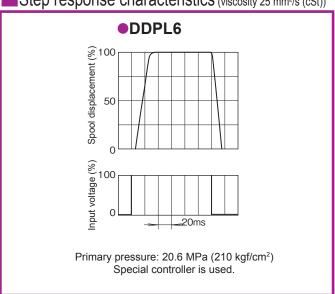
Specifications

opcomodite	7110		
Nominal dimension		6	
Maximum working pressure MPa (kgf/cm²)	Port P, A, B	30.9 (315)	
	Port T	1.0 (10)	
Rated flow rate L/min △P=0.98 MPa per 1 round		25/15/5	
Maximum differential pressure (Per one round) MPa (kgf/cm²)		5.9 (60)	
Maximum flow rate L/min		30/25/18	
Reproducibility %		1 or less	
Hysteresis %		1 or less	
	0→100% input	30	
Step response ms	100→0% input	18	
Frequency response	-3dB	20	
Hz (±2% input)	90 degree delay	22	
	Solenoid rated current mA	1,500	
Electrical	Coil resistance Ω	7.2 at 20°C	
specifications	Dither (Recommendable value)	60Hz, 200mAP-P	
	Standard amplifier type	CFW-B15-D24	
Massika	Double solenoid type	3.2	
Mass kg	Single solenoid type	2.3	

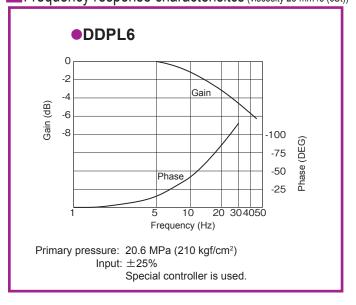
Voltage - Flow rate characteristics (viscosity 25 mm²/s (cSt))



Step response characteristics (viscosity 25 mm²/s (cSt))



Frequency response characterisitcs (viscosity 25 mm²/s (cSt))



■ Dimension drawing

