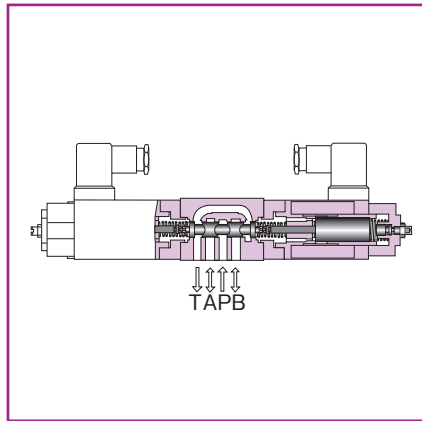
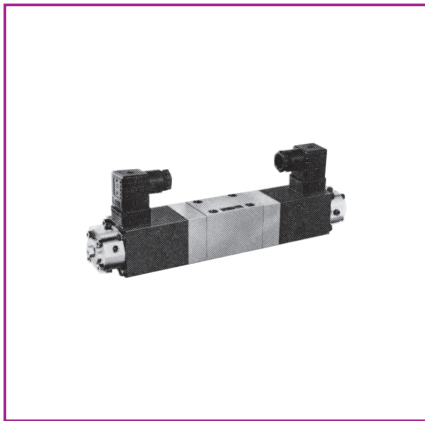
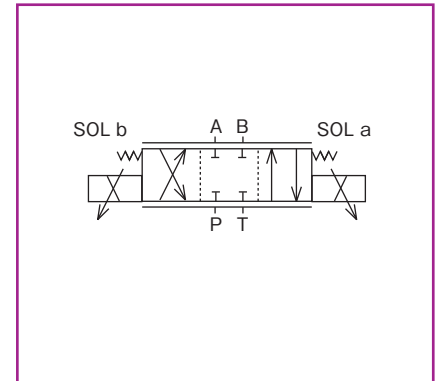


## Hydraulic symbols



## Overview

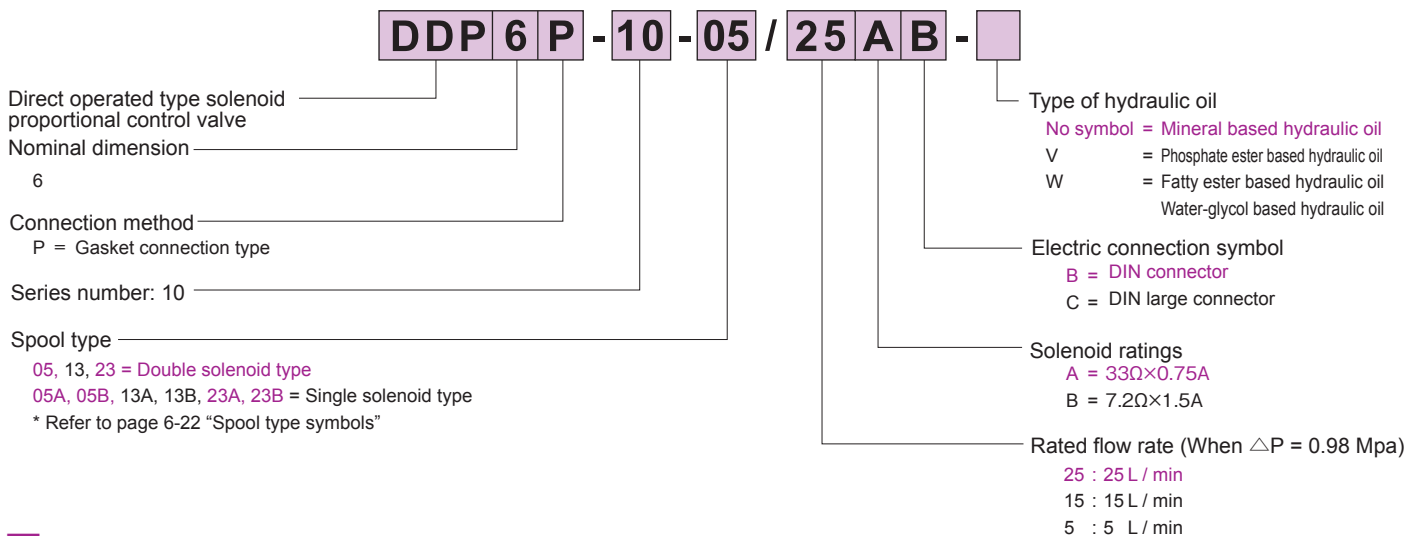
Direct operated type solenoid proportional control valve consists of DC proportional solenoids and spring balance type direct operated spool valve. The valve operating direction is selected by energizing either one of the two solenoids, and the flow amount is controlled by the open area of the spool that moves in proportion to the input current.

## Features

1. During the initial adjustment or malfunction in the electrical system, manual operation can be done with the manual adjustment thread.
2. The structure is simple and maintenance is easy.

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 Tell: 021-33488178  
 Fax: 021-33488105

## Type indication



## Specifications

Nominal dimension		6
Maximum working pressure MPa (kgf/cm <sup>2</sup> )	Port P, A, B	30.9 (315)
	Port T	1.0 (10)
Rated flow rate L/min $\Delta P = 0.98$ MPa per 1 round		25/15/5
Maximum differential pressure (Per one round) MPa (kgf/cm <sup>2</sup> )		5.9 (60)
Maximum flow rate L/min		25/20/13
Reproducibility %		2
Hysteresis %		3
Step response ms	0→100% input	80
	100→0% input	50
Electrical specifications	Solenoid rated current mA	750/1,500
	Coil resistance $\Omega$	33/7.2 at 20°C
	Dither (Recommendable value)	60Hz, 200/350mAP-P
	Standard amplifier type	C-B10-A $\frac{100}{200}$ /C-B15-D24
Mass kg	Double solenoid type	2.6
	Single solenoid type	1.8

## Sub-plate

Valve type	Sub-plate type	Connection diameter	Mass
DDP6	P-DE6R14-0	Rc $\frac{1}{4}$	1.0kg
	P-DE6G14-0	G $\frac{1}{4}$	
	P-DE6R38-0	Rc $\frac{3}{8}$	1.3kg
	P-DE6G38-0	G $\frac{3}{8}$	

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.

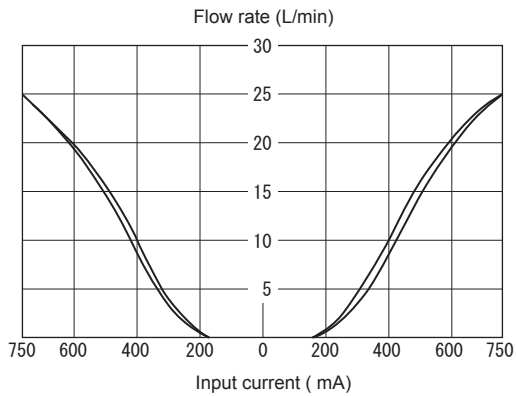
## Accessories

### Mounting bolt

Type	Hexagon socket head cap thread	Quantity	Tightening torque N · m (kgf · cm)
DDP6	M5×50L	4 pcs.	6.9 ± 1.0 (70 ± 10.5)

## Current - Flow rate characteristics (viscosity 25 mm<sup>2</sup>/s (cSt))

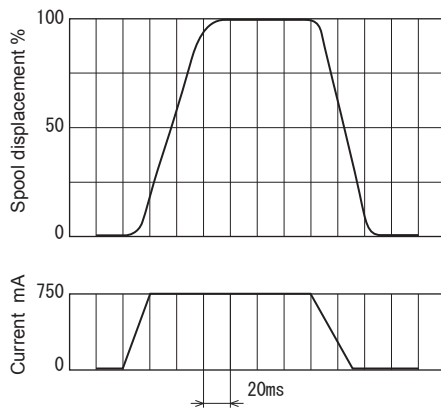
### DDP6



Primary pressure : 20.6 MPa (210 kgf/cm<sup>2</sup>)  
 Dither : 60 Hz, 200 mAP-P  
 Amount of pressure drop : 0.98 MPa (10 kgf/cm<sup>2</sup>)  
 Per one round

## Step response characteristics (viscosity 25 mm<sup>2</sup>/s (cSt))

### DDP6



Primary pressure : 20.6 MPa (210 kgf/cm<sup>2</sup>)  
 Dither : 60 Hz, 200 mAP-P

## Dimension drawing

### DDP6

