

Speed Controller / Valve with Adjusting Dial

Flow Rate Control Valves with One-Touch Coupling

Miniature

Meter Out
MNSPS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	Type	D	Nominal	A	B	C2	E	Wrench Flats H	Thread Size M	Mass (g)	Max. tightening torque (K·g·cm)	Unit Price	Volume Discount Rate
MNSPS	4	M3	M5	15.7	9.9	30.5	8.0	8	M3x0.5	8	3		
				15.7	9.9	30.5	8.0	8	M5x0.8	8	12		
				16.7	9.9	30.5	10.4	8	M5x0.8	10.4	12		

Straight

Meter Out
SPSNS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	Type	D	Nominal	A	B	C2	E	Wrench Flats H	T	Thread Size M	Mass (g)	Control Type	Unit Price	Volume Discount Rate
SPSNS	4	1	M5	41.4	14.85	34.1	9.8	10	18.1	R1/8	34.1	Meter-Out		
				35.2	11.4	29.12	11.9	8	15.9	M5x0.8	29.2			
	6	1	M5	38.65	14.85	34.05	11.9	10	18.1	R1/8	34.1			
				42.2	18.4	42.4	11.9	14	20.1	R1/4	42.4			
	8	1	M5	40.15	14.85	33.87	13.9	10	18.1	R1/8	33.9			
				49.2	18.4	42.32	13.9	14	20.18	R1/4	42.4			
	10	2	M5	46.4	18.4	42.32	16.9	14	20.1	R1/4	42.4			
				48.6	20.6	47.6	16.9	19	22.5	R3/8	47.7			

For SPSNS, the tube connection port will not move.

Miniature Straight

Meter Out
MNSPJS

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	Type	D	Nominal	Color	A	B	C1	C2	E	Wrench Flats H	T	Thread Size M	Mass (g)	Control Type	Unit Price	Volume Discount Rate
MNSPJS	4	M5	W	White	28	12.4	27.2	30.2	7.8	8	11.2	M5x0.8	13.2	Meter-Out		
				Black	28.3	11.4	25.1	27.6	7.9	7	9.3	M3x0.5	7.7			
				White	29	12.4	27.2	30.2	8.8	8	11.2	M5x0.8	14			
	6	M5	W	White	30.6	12.4	27.2	30.2	10.8	8	11.2	M5x0.8	15			

In-line

SPJNSC

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	Type	D	Color	A		B	Mass (g)	Unit Price	Volume Discount Rate
				Min	Max				
SPJNSC	4	B	Black	48.8	52.3	10	13.9		
				52	57	12	18.8		
				63	68	15	31		

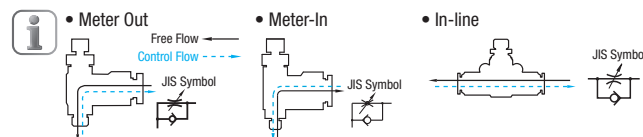
Miniature In-Line

SPJNSK

Material: Polybutylene Terephthalate
Thread: Brass (Nickel Plating)

Part Number	Type	D	Color	A		B	C	E	Wrench Flats H	Thread Size M	Mass (g)	Unit Price	Volume Discount Rate
				Min	Max								
SPJNSK	4	B	Black	39.8	43.3	4	10	10	9	M5x0.8	12.5		
				42.8	46.3	4	12	10	9	M5x0.8	13.4		

Ordering Example: Part Number - Nominal - Color
SPSNS6 - M5 - W
MNSPJS6 - M5 - W



Specifications

Applicable Fluid	Air
Operating Temp. Range	0 ~ 60°C
Operating Pressure Range	0.05 ~ 0.7MPa

Low-height

Meter Out
SPCNLH

Material: Body: SUS303
Thread: Brass (Nickel Plating)
For M3 only Body, Thread: SUS303

Part Number	Type	D	Nominal	A	B	C	E	Wrench Flats H	L	Thread Size M	Mass (g)	Unit Price	Volume Discount Rate		
														1 - 9 pc(s)	10 - 30
SPCNLH	4	M3	M5	22.0				8	13.5	M3x0.5	17.8				
				21.5	16.4	8	11.5	10	12.5	M5x0.8	17.9				
				23.5								R1/8	21.7		
				22.5	16.5	10	12.6	16.0	R1/8	21.2					

Specifications
Applicable Fluid: Air
Operating Temp. Range: -5 ~ 60°C
Operating Pressure Range: 0.05 ~ 0.7MPa
*Operating pressure is set at ambient temperature (20°C).

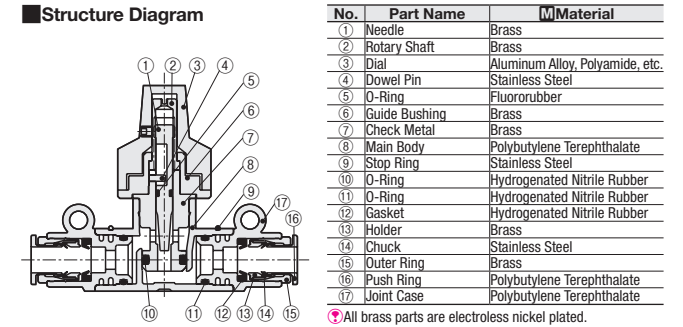
Valve with Adjusting Dial

NBDY

Part Number	Type	D	A	B	E	F	H	d	J	K	L	Unit Price	Volume Discount Rate
NBDY	4	M5	45.5	17	8.1	11.6	55		12	16.2	30.8		
			45.5	17	8.1	11.6	49.5	4.3	12	16.2	30.8		
			50	22.5	9.5	13.1	66.5	5	15	19	41		
			58	29	11.5	15.1	75	5	20	23	47		
			58	29	11.5	15.1	79	5	20	23	47		

Specifications
Applicable Fluid: Air / N2 Gas / Vacuum
Operating Temp. Range: 5 ~ 60°C (Non-Freezing)
Max. Operating Pressure: 0.7MPa
Negative-pressure: -100kPa
Guaranteed Withstand Pressure: 1.5MPa

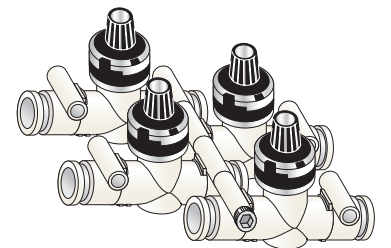
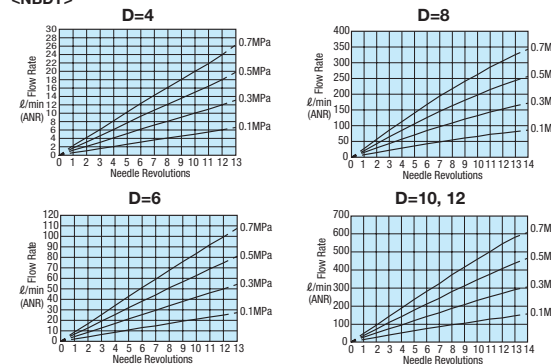
Ordering Example: Part Number - Nominal
SPCNLH4 - M5
NBDY8



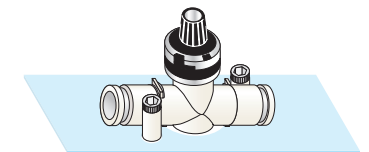
Features
- Linear flow rate characteristics proportional to needle revolutions.
- Dial display makes it easy to control value of flow rate.
- Mounting part with 360° turn provides free mounting.
- Slide locking lever provides easy locking.

PRECAUTIONS
- Throttle valves for controlling both right and left sides flow rate.
- Not applicable as a stop valve which requires no leakage.
- Fix the dial with slide locking lever after adjusting flow rate.
- Tighten the mounting screw at 0.8N·m or lower.

Flow Rate Characteristics <NBDY>



Manifolds



Bottom Side Mounting Example