

Speed controller Push-lock type with Indicator

New Line Up



Reducing the task of initial flow settings or their maintenance/replacements.

- 1 Knob rotation indicated every 1/2 turn
- 2 Easy adjustment due to its liner characteristics
- 3 Industry's smallest, and low profile!



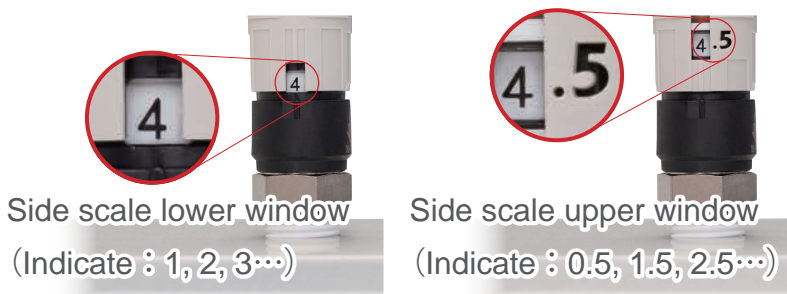
Flow rate can be set with indicator!

<https://en.pisco.co.jp/>

Features

Flow rate is set by the indicator

The scales are on the side(upper / lower) and the top. (※)



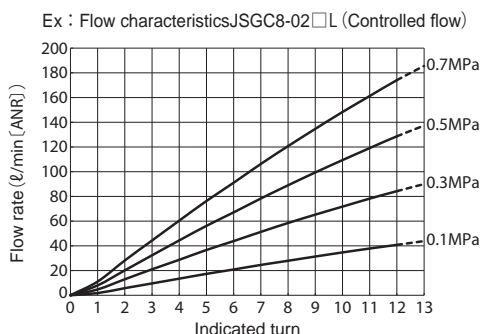
※) Metric / Unified thread type and $\varnothing 4\text{mm}$, $\varnothing 5/32''$ of Union type do not have the top scale.

Flow rate is proportional to the knob turns.

Low flow rate type is available for fine adjustment. (※)

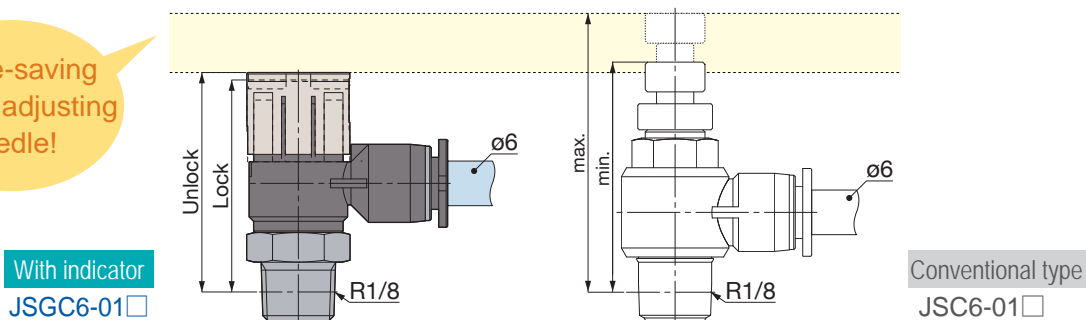
See page 7 for flow characteristics of each model.

※) Flow range is different from our conventional speed controller low flow rate type.



It has a very compact and low profile body as a speed controller with an indicator.
The industry's smallest and low profile.

Space-saving without adjusting needle!



Push-Lock type knob.

Easy to handle.

Flow rate can be set by 30 steps in one turn.

(However, the number of rotation is visible every 1/2 turn.)



Easy to identify the flow direction by the knob color.

Meter-out control
is ideal for double acting cylinders.

Meter-in control
is ideal for single acting cylinders.



The material of the diaphragm is HNBR.

Model designation (Ex.)

JSG C 6 - 01 A 5 6

Speed controller Push-lock type with Indicator

⑥. Color option

Code	No code	W
Spec.	Standard	Body color : Light gray
Color	Release ring	Black (※)
	Main body	Light gray (※)

※) For inch tube size, the release ring color is always white.

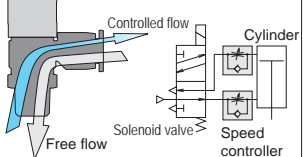
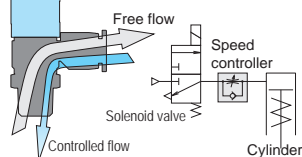
⑤. Flow rate type

Code	No code	L (※)
Type	Standard	Low flow
Identification		Letter "L" engraved



※) It has a liner flow characteristics where the low flow rate range of the standard type can be adjusted linearly.

④. Control direction (※ No code entry for Union type : JSGU)

Code	A	B
Control	Meter-out control	Meter-in control
		
Coloring	Knob color : Light gray	Knob color : Light blue

③. Thread size (※ No code entry for Union type : JSGU)

	Metric thread		Taper pipe thread			
Code	M3	M5	01	02	03	04
Thread size	M3x0.5	M5x0.8	R1/8	R1/4	R3/8	R1/2
	Unified thread		NPT thread			
Code	U10	N1	N2	N3	N4	
Thread size	10-32UNF	NPT1/8	R1/4	NPT3/8	NPT1/2	

②. Tube size

■ mm size

Code	3	4	6	8	10	12
Tube O.D. (mm)	ø3	ø4	ø6	ø8	ø10	ø12

■ inch size

Code	1/8	5/32	1/4	5/16	3/8	1/2
Tube O.D. (in.)	ø1/8	ø5/32	ø1/4	ø5/16	ø3/8	ø1/2

①. Type

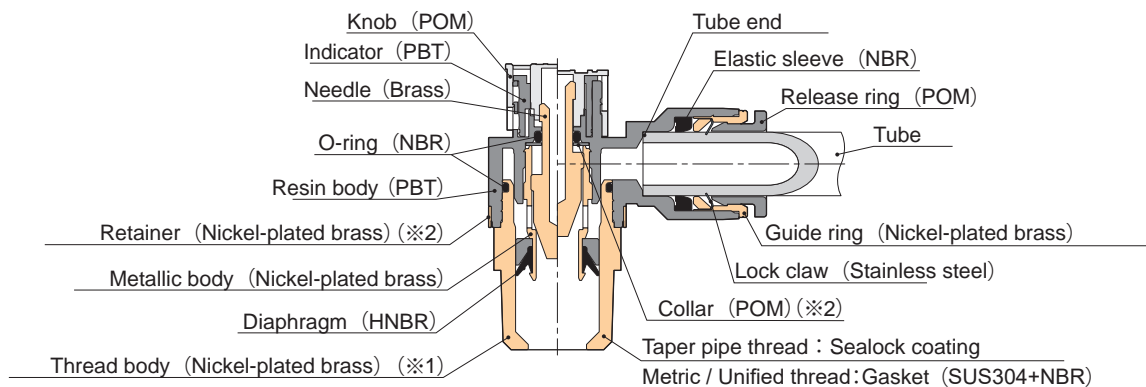
Code	C	U
Type	Elbow	Union
		

Specifications

Fluid medium	Air
Operating pressure range	0.1~1.0MPa
Check valve opening pressure	0.05MPa
Operating temperature range	0~60°C(No freezing)

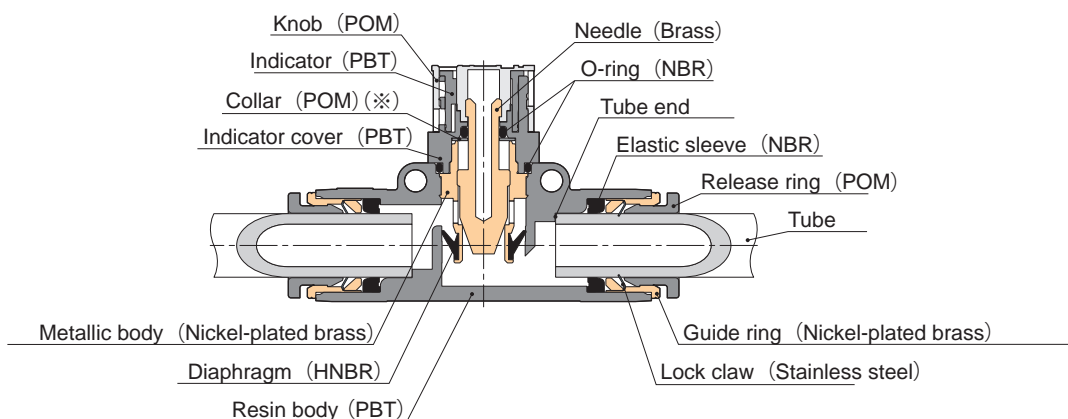
Structure

■ Elbow type (JSGC)



※1) For M3thread : Special stainless steel (Austenite or ferritic stainless steel with SUS303 equivalent corrosivity)
 ※2) For thread size : 04 (R1/2) and N4 (NPT1/2) only.

■ Union type (JSGU)



※) For Tube dia. :ø12mm and ø1/2" only.

△ Safety instruction

- △ Warning
1. When setting the speed of actuators, open the air gradually by turning the needle from the fully-closed position. Otherwise, the actuators can pop or cause unplanned movements. Turn the needle in the clockwise direction to close, and in the counterclockwise to open.
 2. Do not adjust the fitting position of Elbow type while it is pressurized.
 3. Do not adjust the indicator position of Union type while it is pressurized.

- △ Caution
1. Speed controller permits some air leakage at indicating "0". Do not use for the application which requires no leakage.
 2. Flow characteristics are for reference. The value will differ depending on piping, circuit, pressure and so on.
 3. Push the adjusting knob to lock and pull to release. Make sure to push the knob otherwise the knob can turn and the flow rate may change.
 4. When pushing the adjusting knob to lock, it may be half-locked depending on the adjusting position. Make sure to push the knob completely to the lock position.
 5. Do not turn the knob when it is in the pushed position. Otherwise it may cause a damage on the locking mechanism.
 6. Do not either turn the needle in the counterclockwise from the fully-open position or turn it in the clockwise from the fully-closed position. Otherwise the knob and the body may get damaged.
 7. The adjusting range (turns) of needle differs by the size. Please refer to the chart 1 and make sure turning the needle within the range watching the number showed in the indicator windows. Excessive needle turning may cause a damage or a malfunction.

Chart 1. Adjusting range

Elbow type	Thread size	Metric, Unified thread		Taper pipe thread			
	Indicating range	M3x0.5, M5x0.8, 10-32UNF			R1/8, R1/4, R3/8, R1/2, NPT1/8, NPT1/4, NPT3/8, NPT1/2		
		0~8		0~12			
Union type	Tube size	Tube O.D.					
	Indicating range	ø3mm, ø1/8"	ø4mm, ø5/32"	ø6mm, ø1/4"	ø8mm, ø5/16"	ø10mm, ø3/8"	ø12mm, ø1/2"
		0~8			0~12		

8. Make sure to hold the hex. of the indicator with a wrench when adjusting the indicator position of Union type. Otherwise the indicator may get deformed or the adjusting knob may get interfered with.

Dimensions

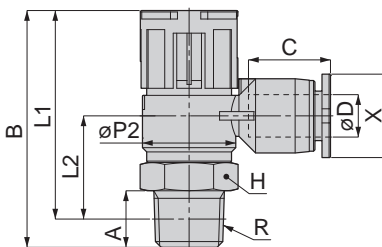
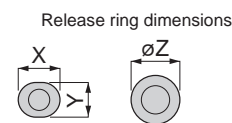
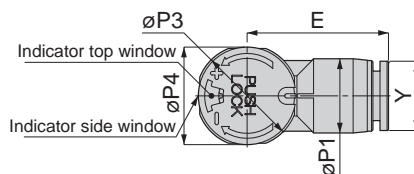
JSGC Elbow



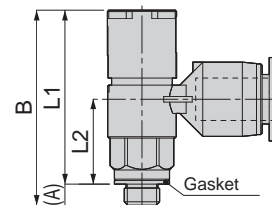
Meter-out control



Meter-in control



Taper pipe thread type



Metric thread type

■ Tube : mm size, Thread : mm size

Unit : mm

Model code	Tube O.D. øD	R	A	B		L1		L2	øP1	øP2	øP3	øP4	Tube end C	E	Hex. H	Release ring			Wt. (g)
				Unlock	Lock	Unlock	Lock									O.D.øZ	X	Y	
JSGC3-M3 (4)(5)(6)	3	M3x0.5	2.5	27.6	26.7	25.1	24.2	12.5	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.5
JSGC3-M5 (4)(5)(6)		M5x0.8	3			24.6	23.7												
JSGC4-M3 (4)(5)(6)	4	M3x0.5	2.5	27.6	26.7	25.1	24.2	12.5	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.6
JSGC4-M5 (4)(5)(6)		M5x0.8	3			24.6	23.7												12
JSGC4-01 (4)(5)(6)	4	R1/8	8	33.5	32.5	29.5	28.5	14.6	8	13.2	14.4	13.8	11	17.6	12	—	9.8	7.8	14
JSGC6-M5 (4)(5)(6)		M5x0.8	3	27.6	26.7	24.6	23.7	12		9.7	10.4	9.8		19.2	8				7
JSGC6-01 (4)(5)(6)	6	R1/8	8	33.5	32.5	29.5	28.5	14.6	10.5	13.2	14.4	13.8	11.6	20	12	—	11.8	9.8	14
JSGC6-02 (4)(5)(6)		R1/4	11	39.8	38.8	33.8	32.8	17.5		16.8	—	—		22	17				25
JSGC6-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	19.6	—		22.8	19				48
JSGC8-01 (4)(5)(6)	8	R1/8	8	33.5	32.5	29.5	28.5	16.8	14.5	13.2	14.4	13.8	18.1	30.5	12	13.8	—	—	17
JSGC8-02 (4)(5)(6)		R1/4	11	39.8	38.8	33.8	32.8	17.5		16.8	—	—		30.2	17				28
JSGC8-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	19.6	—		31.4	19				51
JSGC8-04 (4)(5)(6)		R1/2	15	54	52.8	45.8	44.6	26.9		26	—	—		33.1	24				78
JSGC10-02 (4)(5)(6)	10	R1/4	11	39.8	38.8	33.8	32.8	17.5	17.5	16.8	14.4	13.8	20.2	32.1	17	16.8	—	—	31
JSGC10-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	—	—		33	19				54
JSGC10-04 (4)(5)(6)	10	R1/2	15	54	52.8	45.8	44.6	26.9	17.5	26	19.6	—	20.2	35.7	24	16.8	—	—	81
JSGC12-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	21	19.6		—	23.4				37.2
JSGC12-04 (4)(5)(6)	12	R1/2	15	54	52.8	45.8	44.6	26.9	21	26	19.6	—	23.4	39.5	24	19.8	—	—	85

■ Tube : inch size, Thread : mm size

Unit : mm

Model code	Tube O.D. øD	R	A	B		L1		L2	øP1	øP2	øP3	øP4	Tube end C	E	Hex. H	Release ring			Wt. (g)
				Unlock	Lock	Unlock	Lock									O.D.øZ	X	Y	
JSGC1/8-M3 (4)(5)(6)	1/8"	M3x0.5	2.5	27.6	26.7	25.1	24.2	12.5	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.5
JSGC1/8-M5 (4)(5)(6)		M5x0.8	3			24.6	23.7												
JSGC5/32-M3 (4)(5)(6)	5/32"	M3x0.5	2.5	27.6	26.7	25.1	24.2	12.5	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.6
JSGC5/32-M5 (4)(5)(6)		M5x0.8	3			24.6	23.7												12
JSGC5/32-01 (4)(5)(6)	5/32"	R1/8	8	33.5	32.5	29.5	28.5	14.6	8	13.2	14.4	13.8	11	17.6	12	—	9.8	7.8	14
JSGC1/4-M5 (4)(5)(6)		M5x0.8	3	27.6	26.7	24.6	23.7	12		9.7	10.4	9.8		19.4	8				6.9
JSGC1/4-01 (4)(5)(6)	1/4"	R1/8	8	33.5	32.5	29.5	28.5	14.6	10.5	13.2	14.4	13.8	11.4	20.2	12	—	11.8	9.8	14
JSGC1/4-02 (4)(5)(6)		R1/4	11	39.8	38.8	33.8	32.8	17.5		16.8	—	—		22.2	17				25
JSGC1/4-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	19.6	—		23	19				48
JSGC5/16-01 (4)(5)(6)	5/16"	R1/8	8	33.5	32.5	29.5	28.5	16.8	14.5	13.2	14.4	13.8	18.1	30.5	12	13.8	—	—	17
JSGC5/16-02 (4)(5)(6)		R1/4	11	39.8	38.8	33.8	32.8	17.5		16.8	—	—		30.2	17				28
JSGC5/16-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	19.6	—		31.4	19				51
JSGC5/16-04 (4)(5)(6)		R1/2	15	54	52.8	45.8	44.6	26.9		26	—	—		33.1	24				78
JSGC3/8-02 (4)(5)(6)	3/8"	R1/4	11	39.8	38.8	33.8	32.8	17.5	17.5	16.8	14.4	13.8	20.2	32.1	17	16.8	—	—	32
JSGC3/8-03 (4)(5)(6)		R3/8	12	48.8	47.6	42.5	41.3	25.2		21	—	—		33	19				54
JSGC3/8-04 (4)(5)(6)		R1/2	15	54	52.8	45.8	44.6	26.9		26	—	—		35.7	24				81
JSGC1/2-03 (4)(5)(6)	1/2"	R3/8	12	48.8	47.6	42.5	41.3	25.2	21	21	19.6	—	23.7	37.5	19	19.8	—	—	57
JSGC1/2-04 (4)(5)(6)		R1/2	15	54	52.8	45.8	44.6	26.9		26	—	—		39.8	24				85

※ 1) The height of L1 and L2 is the one of being installed just for reference.

※ 2) Fill the restricted flow direction in (4), the flow type in (5) and the color in (6) referring to the model designation(example) on the previous page.

Dimensions

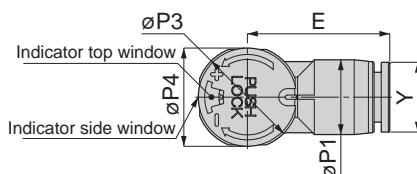
JSGC Elbow



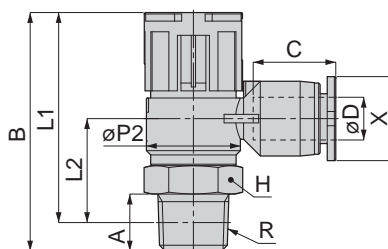
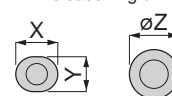
Meter-out control



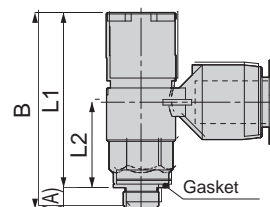
Meter-in control



Release ring dimensions



NPT thread type



Unified thread type

■ Tube : inch size, Thread : inch size

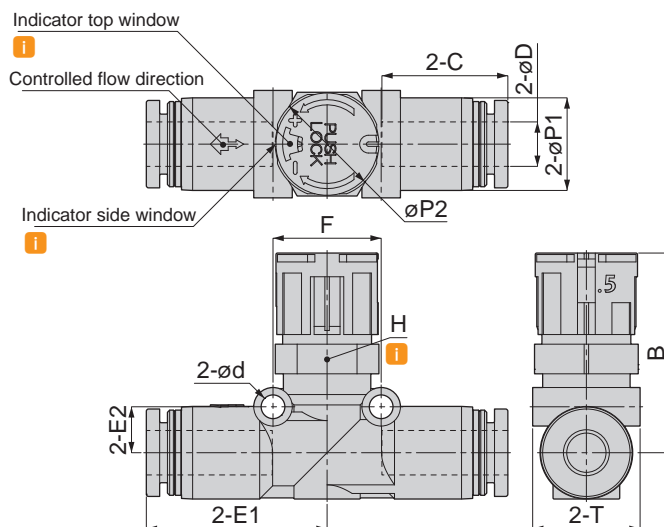
Unit : mm

Model code	Tube O.D. ϕD	R	A	B		L1		L2	$\phi P1$	$\phi P2$	$\phi P3$	$\phi P4$	Tube end C	E	Hex. H	Release ring			Wt. (g)		
				Unlock	Lock	Unlock	Lock									O.D. ϕZ	X	Y			
JSGC1/8-U10 ④⑤⑥	1/8"	10-32UNF	3	27.6	26.7	24.6	23.7	12	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.5		
JSGC5/32-U10 ④⑤⑥	5/32"	10-32UNF	3	27.6	26.7	24.6	23.7	12	8	9.7	10.4	9.8	11	17.3	8	—	9.8	7.8	6.7		
JSGC5/32-N1 ④⑤⑥		NPT1/8	8	33.5	32.5	29.4	28.4	14.5											14		
JSGC3/16-U10 ④⑤⑥	3/16"	10-32UNF	3	27.6	26.7	24.6	23.7	12	10.5	9.7	10.4	9.8	11.7	19.3	8	—	11.8	9.8	7.1		
JSGC3/16-N1 ④⑤⑥		NPT1/8	8	33.5	32.5	29.4	28.4	14.5											20.1	12	14
JSGC3/16-N2 ④⑤⑥		NPT1/4	11	39.8	38.8	34	33	17.7											22.1	17	26
JSGC3/16-N3 ④⑤⑥		NPT3/8	12	48.8	47.6	42.7	41.5	25.4											22.9	19	49
JSGC1/4-U10 ④⑤⑥	1/4"	10-32UNF	3	27.6	26.7	24.6	23.7	12	10.5	9.7	10.4	9.8	11.4	19.4	8	—	11.8	9.8	6.9		
JSGC1/4-N1 ④⑤⑥		NPT1/8	8	33.5	32.5	29.4	28.4	14.5											20.2	12	14
JSGC1/4-N2 ④⑤⑥		NPT1/4	11	39.8	38.8	34	33	17.7											22.2	17	26
JSGC1/4-N3 ④⑤⑥		NPT3/8	12	48.8	47.6	42.7	41.5	25.4											23	19	48
JSGC5/16-N1 ④⑤⑥	5/16"	NPT1/8	8	33.5	32.5	29.4	28.4	16.7	14.5	13.2	14.4	13.8	18.1	30.5	12	13.8	—	—	18		
JSGC5/16-N2 ④⑤⑥		NPT1/4	11	39.8	38.8	34	33	17.7											30.2	17	29
JSGC5/16-N3 ④⑤⑥		NPT3/8	12	48.8	47.6	42.7	41.5	25.4											31.4	19	51
JSGC5/16-N4 ④⑤⑥		NPT1/2	15	54	52.8	45.9	44.7	27											33.1	24	78
JSGC3/8-N2 ④⑤⑥	3/8"	NPT1/4	11	39.8	38.8	34	33	17.7	17.5	16.8	14.4	13.8	20.2	32.1	17	16.8	—	—	32		
JSGC3/8-N3 ④⑤⑥		NPT3/8	12	48.8	47.6	42.7	41.5	25.4											33	19	55
JSGC3/8-N4 ④⑤⑥		NPT1/2	15	54	52.8	45.9	44.7	27											35.7	24	81
JSGC1/2-N3 ④⑤⑥	1/2"	NPT3/8	12	48.8	47.6	42.7	41.5	25.4	21	21	19.6	—	23.7	37.5	19	19.8	—	—	58		
JSGC1/2-N4 ④⑤⑥		NPT1/2	15	54	52.8	45.9	44.7	27											39.8	24	84

※ 1) The height of L1 and L2 is the one of being installed just for reference.

※ 2) Fill the restricted flow direction in ④, the flow type in ⑤ and the color in ⑥ referring to the model designation(example) on the previous page.

JSGU Union straight



■ Tube : mm size

Unit : mm

Model code	Tube O.D. ϕ D	B		ϕ P1	ϕ P2	Tube end C	E1	E2	Hex. H	ϕ d	F	T	Wt. (g)
		Unlock	Lock										
JSGU4 ^{⑤⑥}	4	20	19.1	10	10.4	14.9	21	5.3	10	3.2	12.7	10.5	8
JSGU6 ^{⑤⑥}	6	27	26	12.5	14.4	17	24.4	6.2	14	3.2	14.8	14.5	14
JSGU8 ^{⑤⑥}	8	28.5	27.5	14.8	14.4	18.1	28	8.4	14	3.2	18.2	15.4	20
JSGU10 ^{⑤⑥}	10	32	30.8	18.2	19.6	20.2	31.8	10.3	19	4.2	22.2	19.7	37
JSGU12 ^{⑤⑥}	12	35.2	34	21.2	19.6	23.4	36.9	12.2	21	4.2	25.7	22.7	54

■ Tube : inch size

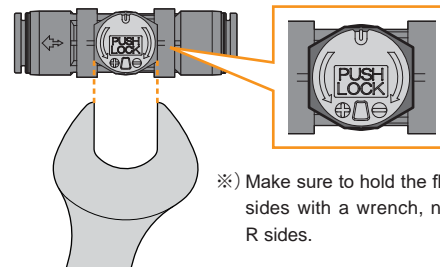
Unit : mm

Model code	Tube O.D. ϕ D	B		ϕ P1	ϕ P2	Tube end C	E1	E2	Hex. H	ϕ d	F	T	Wt. (g)
		Unlock	Lock										
JSGU5/32 ^{⑤⑥}	5/32"	20	19.1	10	10.4	14.9	21	5.3	10	3.2	12.7	10.5	8
JSGU1/4 ^{⑤⑥}	1/4"	27	26	12.5	14.4	17	24.4	6.2	14	3.2	14.8	14.5	14
JSGU5/16 ^{⑤⑥}	5/16"	28.5	27.5	14.8	14.4	18.1	28	8.4	14	3.2	18.2	15.4	20
JSGU3/8 ^{⑤⑥}	3/8"	32	30.8	18.2	19.6	20.2	31.8	10.3	19	4.2	22.2	19.7	37
JSGU1/2 ^{⑤⑥}	1/2"	35.2	34	21.2	19.6	23.7	37.2	12.2	21	4.2	25.7	22.7	53

※) Fill the flow type in ⑤ and the color in ⑥ referring to the model designation (example) on the previous page.



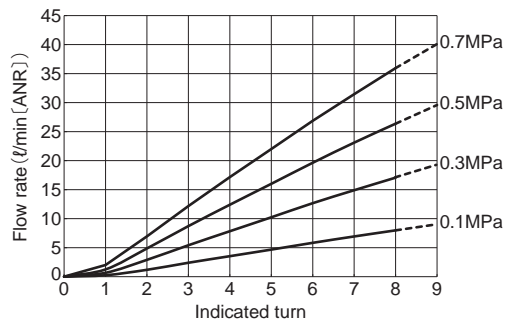
The indicator windows of Union straight type can be rotated 360° by turning the hex. with a wrench.



Elbow type (JSGC) Flow characteristics

JSGC3-M3□L
JSGC1/8-M3□L

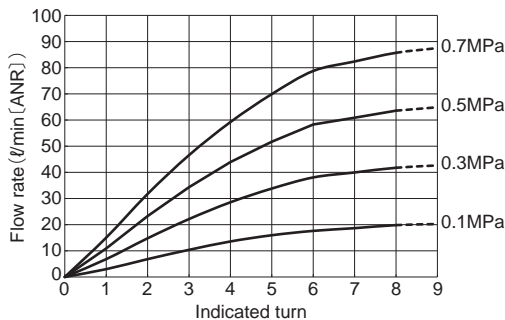
Controlled flow



Cylinder bore : max. ø12mm

JSGC3-M3□
JSGC1/8-M3□

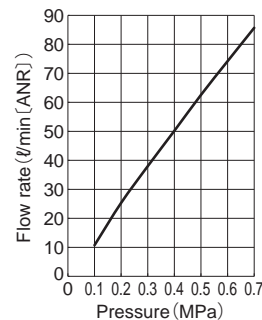
Controlled flow



Cylinder bore : max. ø20mm

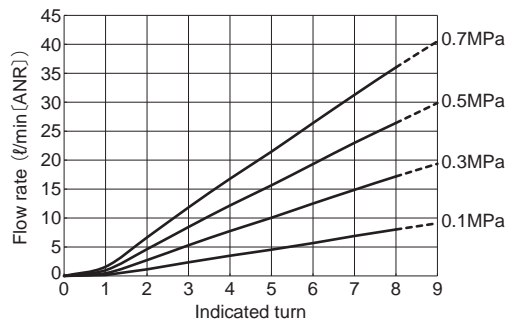
JSGC3-M3□(L)
JSGC1/8-M3□(L)

Free flow



JSGC3-M5□L
JSGC1/8-M5□L, JSGC1/8-U10 □L

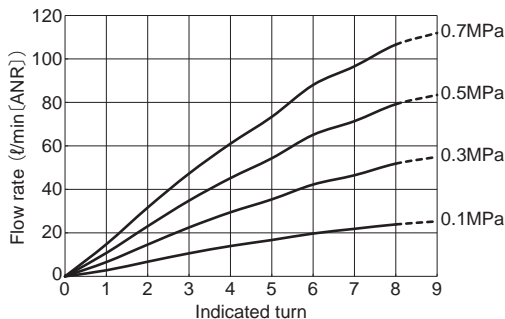
Controlled flow



Cylinder bore : max. ø12mm

JSGC3-M5□
JSGC1/8-M5□, JSGC1/8-U10 □

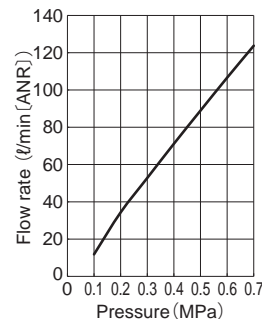
Controlled flow



Cylinder bore : max. ø20mm

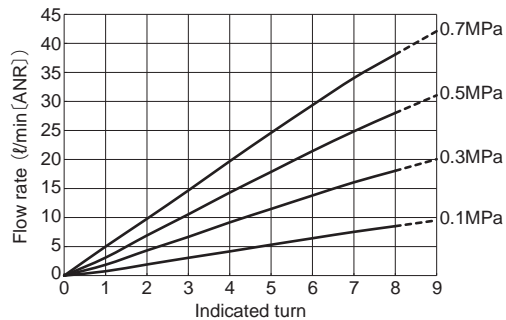
JSGC3-M5□(L)
JSGC1/8-M5□(L), JSGC1/8-U10 □(L)

Free flow



JSGC4-M3□L
JSGC5/32-M3□L

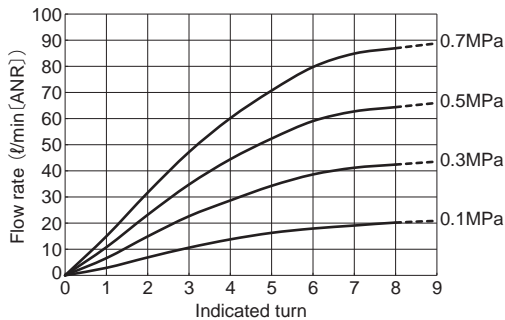
Controlled flow



Cylinder bore : max. ø12mm

JSGC4-M3□
JSGC5/32-M3□

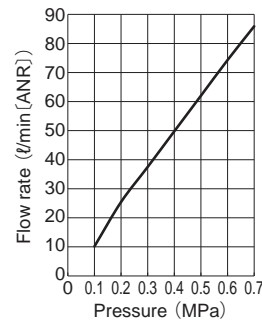
Controlled flow



Cylinder bore : max. ø20mm

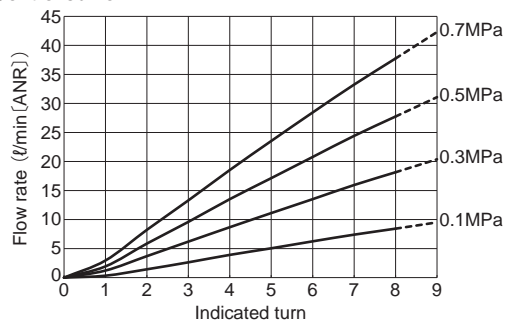
JSGC4-M3□(L)
JSGC5/32-M3□(L)

Free flow



JSGC4-M5□L
JSGC5/32-M5□L, JSGC5/32-U10 □L

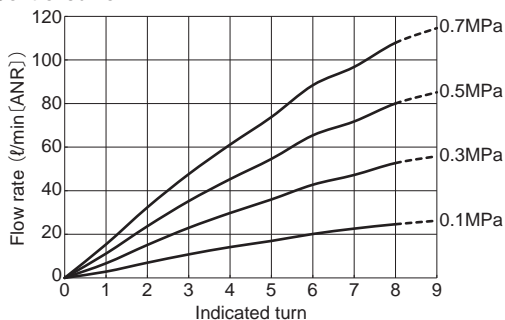
Controlled flow



Cylinder bore : max. ø12mm

JSGC4-M5□
JSGC5/32-M5□, JSGC5/32-U10 □

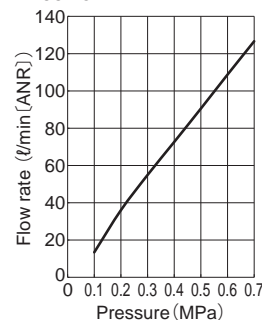
Controlled flow



Cylinder bore : max. ø20mm

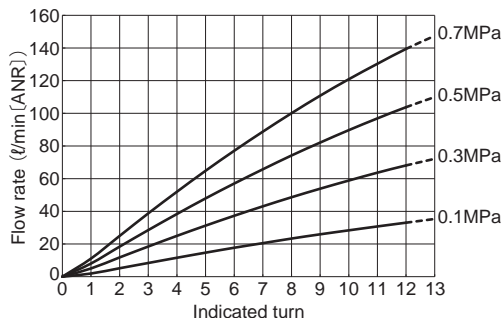
JSGC4-M5□(L)
JSGC5/32-M5□(L), JSGC5/32-U10 □(L)

Free flow



JSGC4-01□L
JSGC5/32-01□L, JSGC5/32-N1□L

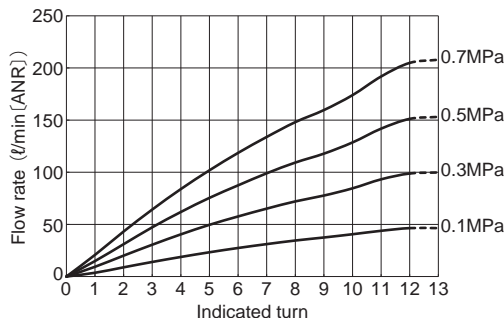
Controlled flow



Cylinder bore : max. ø25mm

JSGC4-01□
JSGC5/32-01□, JSGC5/32-N1

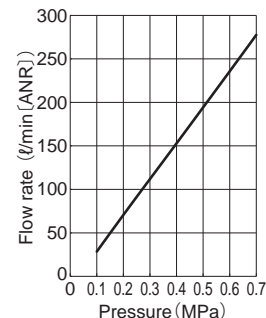
Controlled flow



Cylinder bore : max. ø25mm

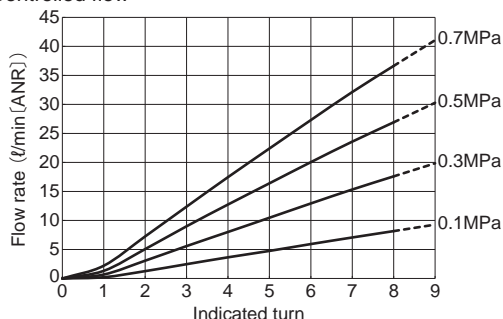
JSGC4-01□(L)
JSGC5/32-01□(L), JSGC5/32-N1□(L)

Free flow



JSGC6-M5□L
JSGC3/16-U10□L

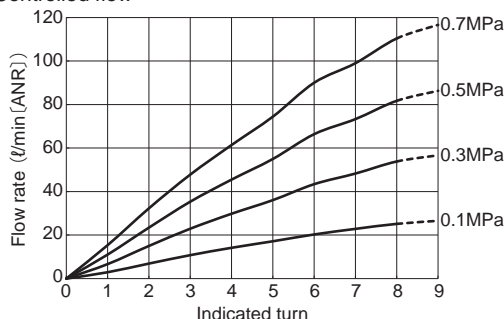
Controlled flow



Cylinder bore : max. ø12mm

JSGC6-M5□
JSGC3/16-U10□

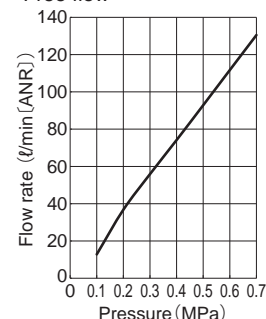
Controlled flow



Cylinder bore : max. ø20mm

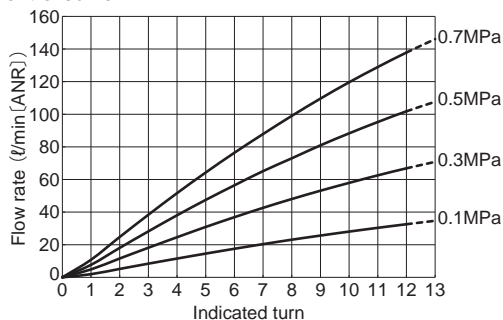
JSGC6-M5□(L)
JSGC3/16-U10□(L)

Free flow



JSGC6-01□L
JSGC3/16-N1□L

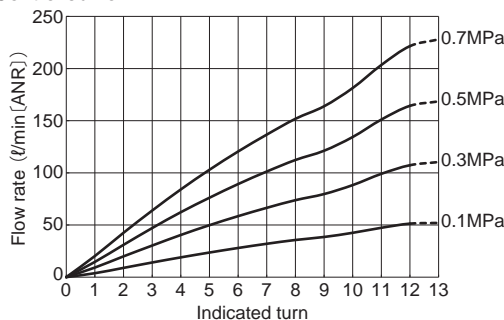
Controlled flow



Cylinder bore : max. ø25mm

JSGC6-01□
JSGC3/16-N1□

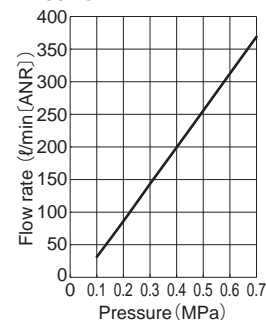
Controlled flow



Cylinder bore : max. ø32mm

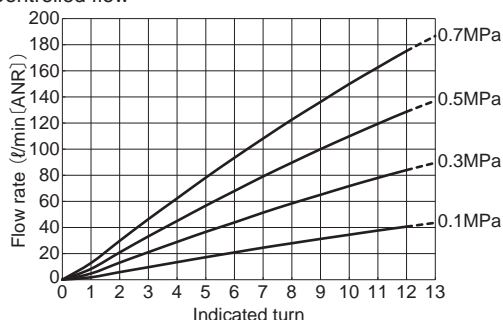
JSGC6-01□(L)
JSGC3/16-N1□(L)

Free flow



JSGC6-02□L
JSGC3/16-N2□L

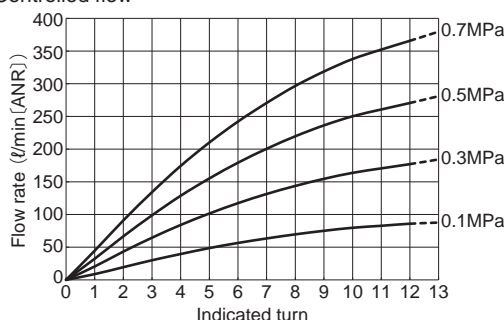
Controlled flow



Cylinder bore : max. ø25mm

JSGC6-02□
JSGC3/16-N2□

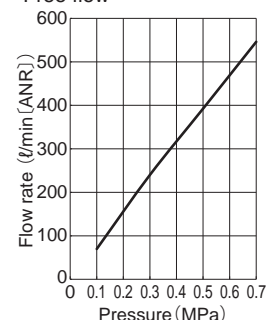
Controlled flow



Cylinder bore : max. ø40mm

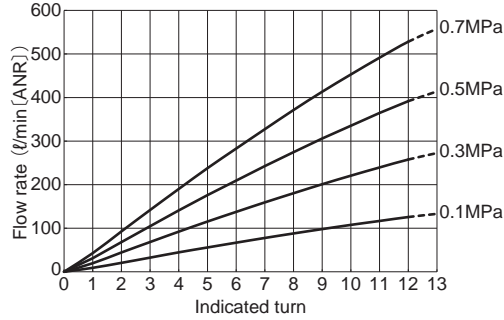
JSGC6-02□(L)
JSGC3/16-N2□(L)

Free flow



JSGC6-03□L
JSGC3/16-N3□L

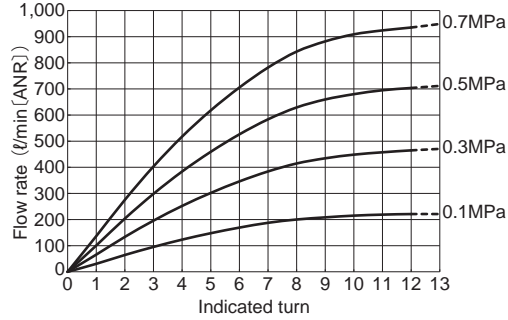
Controlled flow



Cylinder bore : max. ø50mm

JSGC6-03□
JSGC3/16-N3□

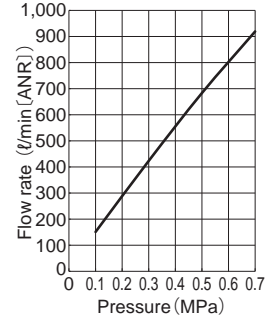
Controlled flow



Cylinder bore : max. ø160mm

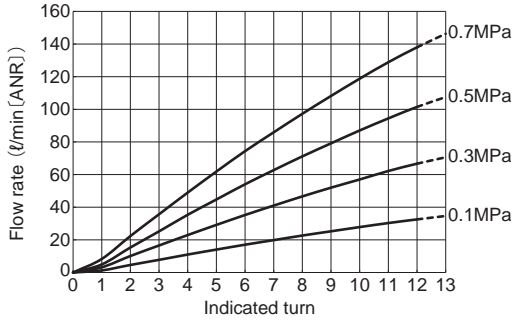
JSGC6-03□(L)
JSGC3/16-N3□(L)

Free flow



JSGC8-01□L
JSGC5/16-01□L, JSGC5/16-N1□L

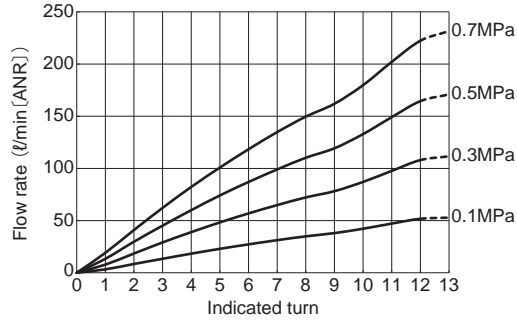
Controlled flow



Cylinder bore : max. ø25mm

JSGC8-01□
JSGC5/16-01□, JSGC5/16-N1□

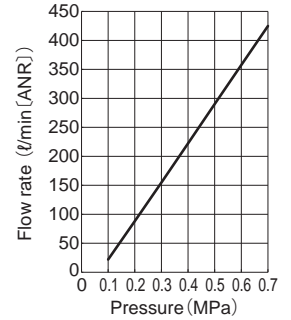
Controlled flow



Cylinder bore : max. ø32mm

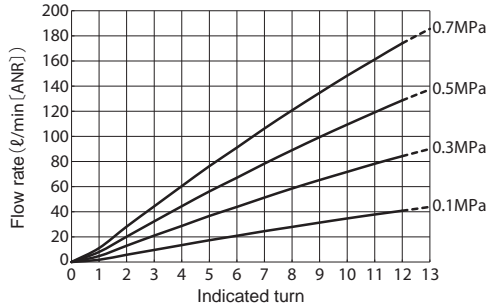
JSGC8-01□(L)
JSGC5/16-01□(L), JSGC5/16-N1□(L)

Free flow



JSGC8-02□L
JSGC5/16-02□L, JSGC5/16-N2□L

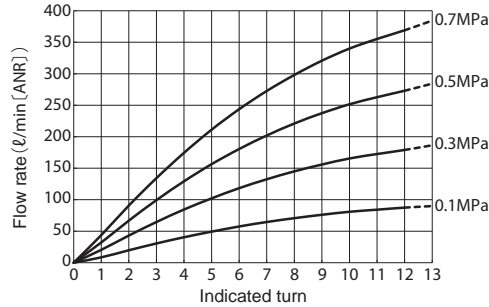
Controlled flow



Cylinder bore : max. ø25mm

JSGC8-02□
JSGC5/16-02□, JSGC5/16-N2□

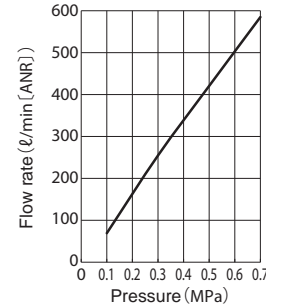
Controlled flow



Cylinder bore : max. ø40mm

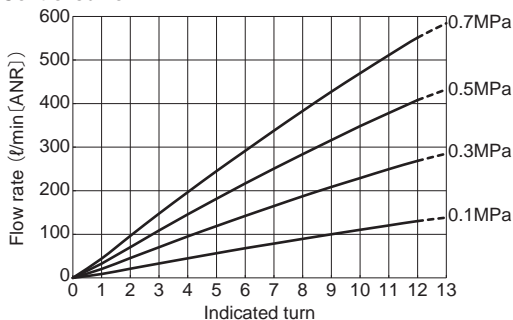
JSGC8-02□(L)
JSGC5/16-02□(L), JSGC5/16-N2□(L)

Free flow



JSGC8-03□L
JSGC5/16-03□L, JSGC5/16-N3□L

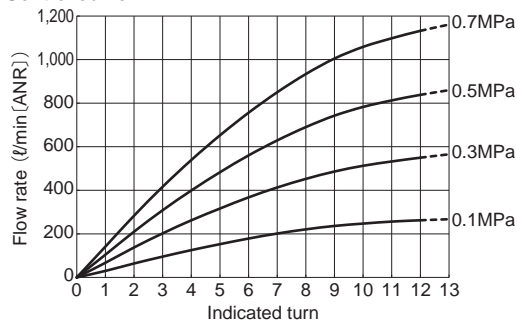
Controlled flow



Cylinder bore : max. ø50mm

JSGC8-03□
JSGC5/16-03□, JSGC5/16-N3□

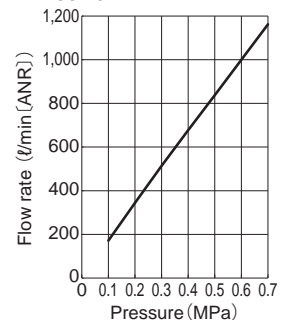
Controlled flow



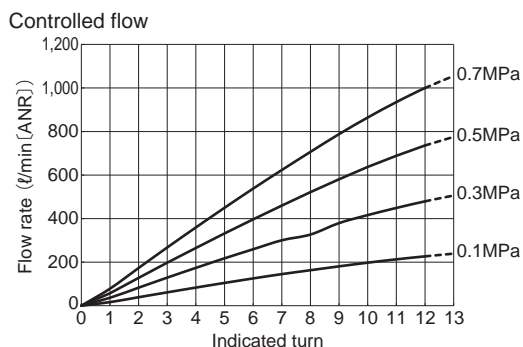
Cylinder bore : max. ø180mm

JSGC8-03□(L)
JSGC5/16-03□(L), JSGC5/16-N3□(L)

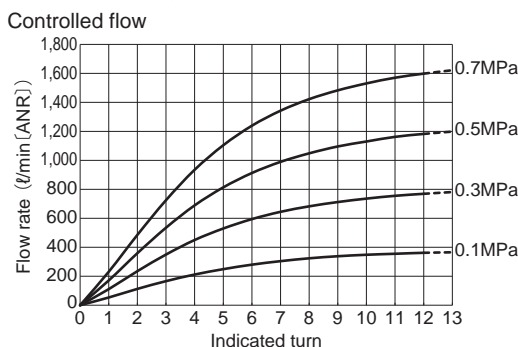
Free flow



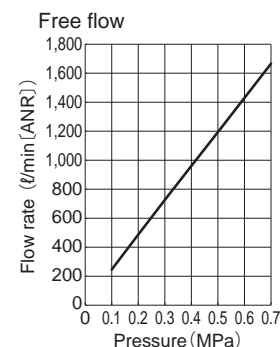
JSGC8-04□L
JSGC5/16-04□L, JSGC5/16-N4 □L



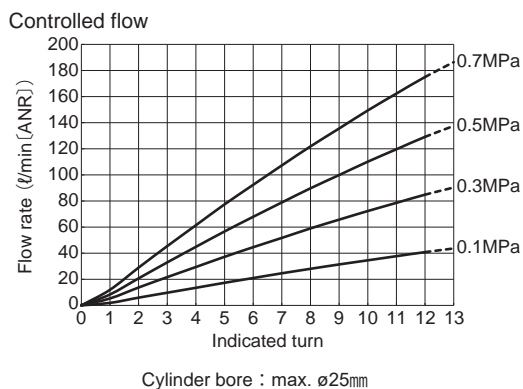
JSGC8-04□
JSGC5/16-04□, JSGC5/16-N4□



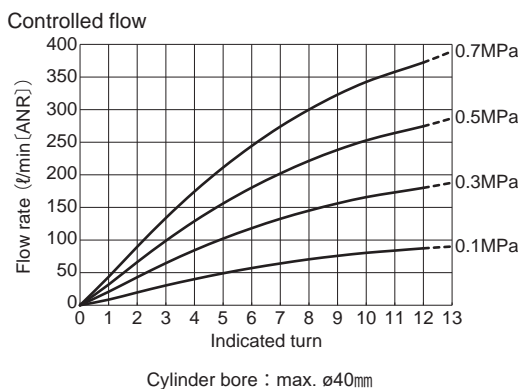
JSGC8-04□(L)
JSGC5/16-04□(L), JSGC5/16-04□(L)



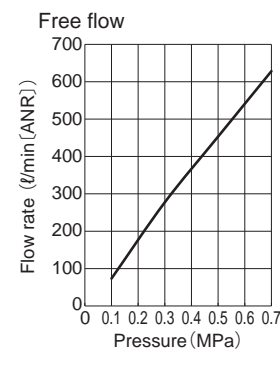
JSGC10-02□L



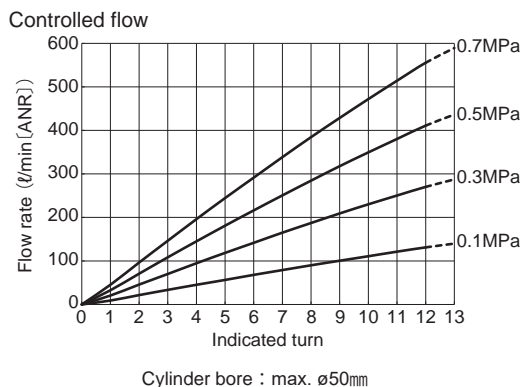
JSGC10-02□



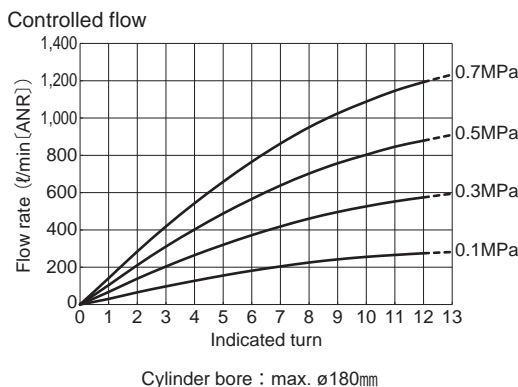
JSGC10-02□(L)



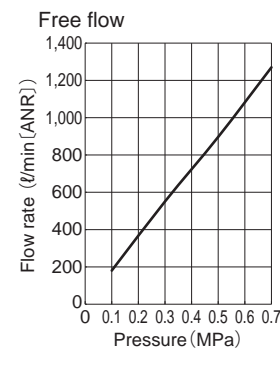
JSGC10-03□L



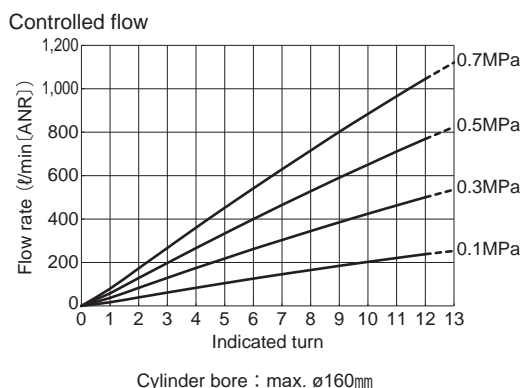
JSGC10-03□



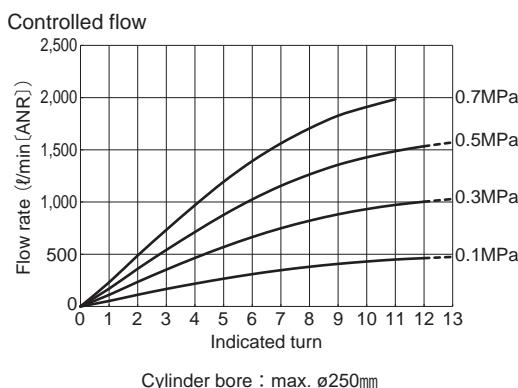
JSGC10-03□(L)



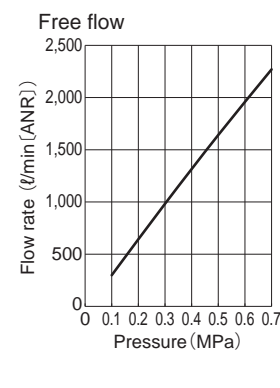
JSGC10-04□L



JSGC10-04□

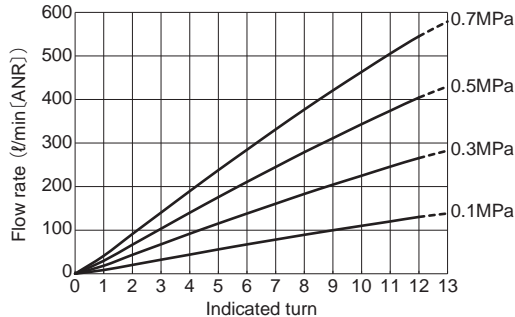


JSGC10-04□(L)



JSGC12-03□□L

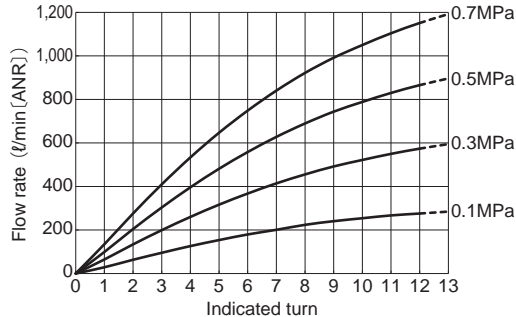
Controlled flow



Cylinder bore : max. ø50mm

JSGC12-03□

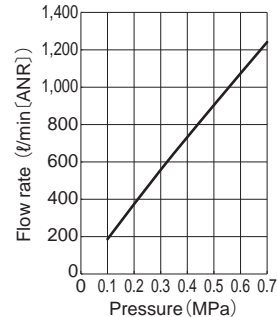
Controlled flow



Cylinder bore : max. ø180mm

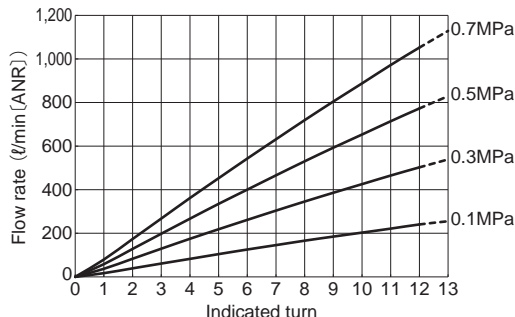
JSGC12-03□(L)

Free flow



JSGC12-04□□L

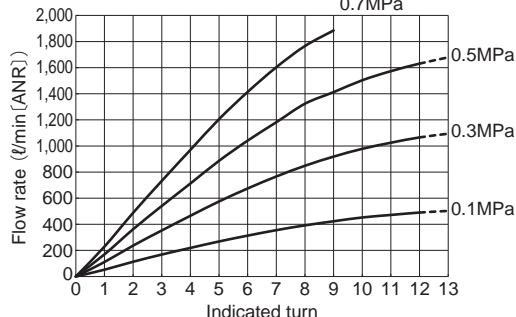
Controlled flow



Cylinder bore : max. ø160mm

JSGC12-04□

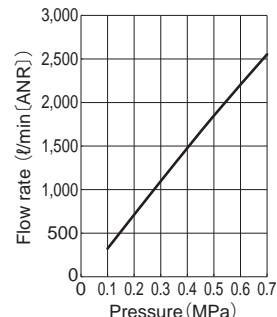
Controlled flow



Cylinder bore : max. ø250mm

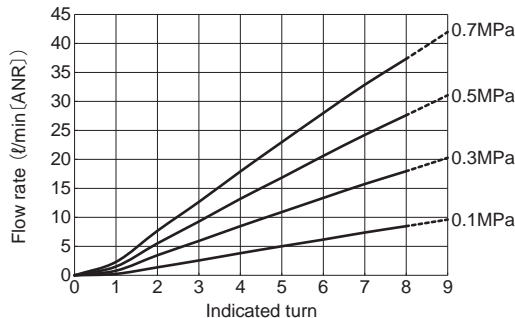
JSGC12-04□(L)

Free flow



JSGC1/4-M5□□L
JSGC1/4-U10□□L

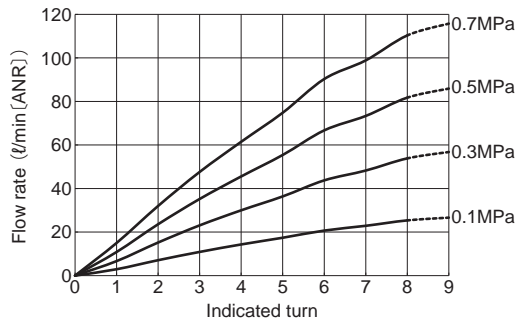
Controlled flow



Cylinder bore : max. ø12mm

JSGC1/4-M5□
JSGC1/4-U10□

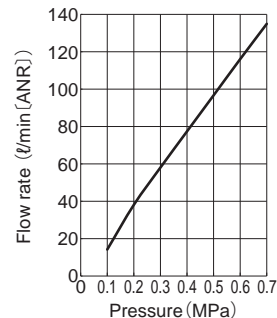
Controlled flow



Cylinder bore : max. ø20mm

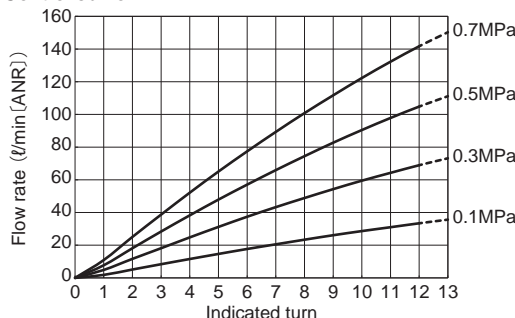
JSGC1/4-M5□(L)
JSGC1/4-U10□(L)

Free flow



JSGC1/4-01□□L
JSGC1/4-N1□□L

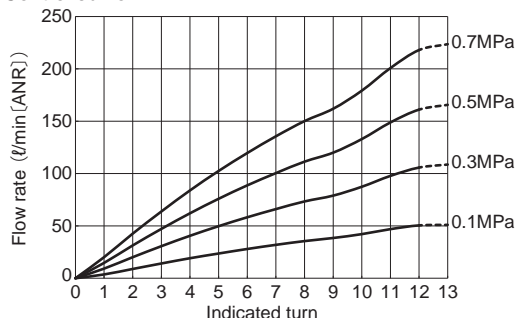
Controlled flow



Cylinder bore : max. ø25mm

JSGC1/4-01□
JSGC1/4-N1□

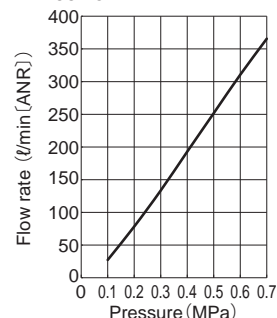
Controlled flow



Cylinder bore : max. ø32mm

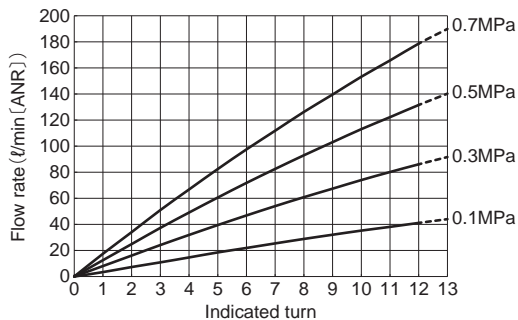
JSGC1/4-01□(L)
JSGC1/4-N1□(L)

Free flow



JSGC1/4-02□L
JSGC1/4-N2□L

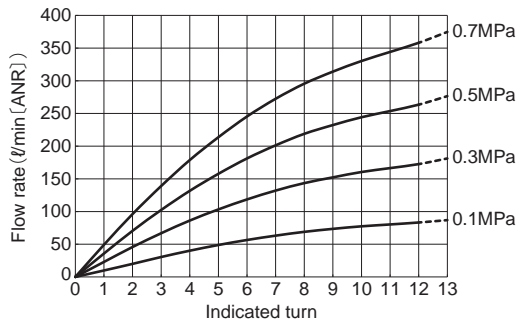
Controlled flow



Cylinder bore : max. ø25mm

JSGC1/4-02□
JSGC1/4-N2□

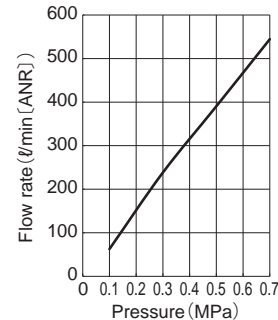
Controlled flow



Cylinder bore : max. ø40mm

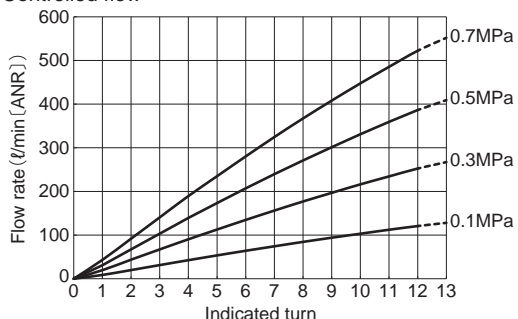
JSGC1/4-02□(L)
JSGC1/4-N2□(L)

Free flow



JSGC1/4-03□L
JSGC1/4-N3□L

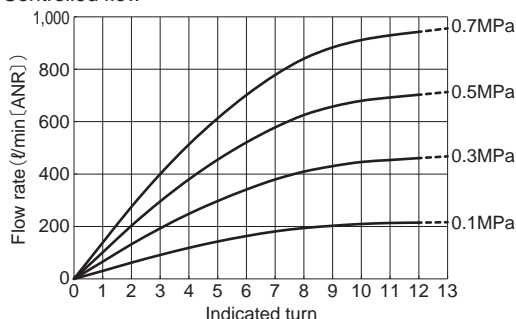
Controlled flow



Cylinder bore : max. ø50mm

JSGC1/4-03□
JSGC1/4-N3□

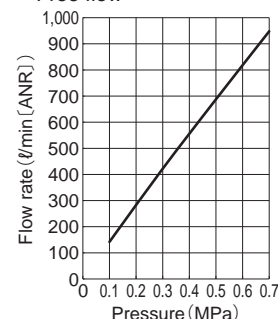
Controlled flow



Cylinder bore : max. ø160mm

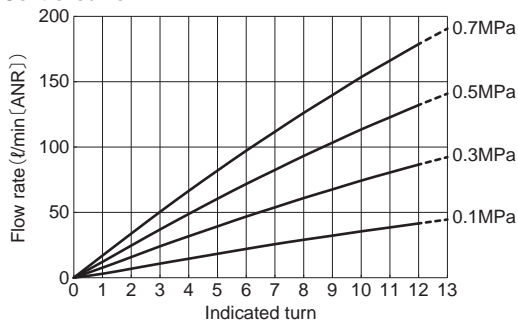
JSGC1/4-03□(L)
JSGC1/4-N3□(L)

Free flow



JSGC3/8-02□L
JSGC3/8-N2□L

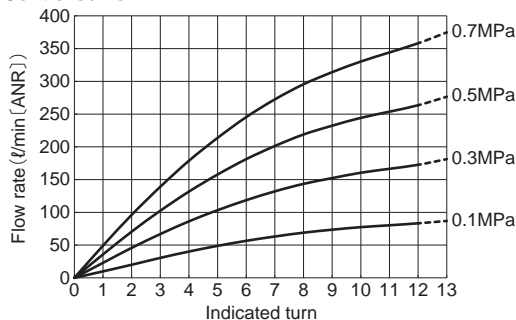
Controlled flow



Cylinder bore : max. ø25mm

JSGC3/8-02□
JSGC3/8-N2□

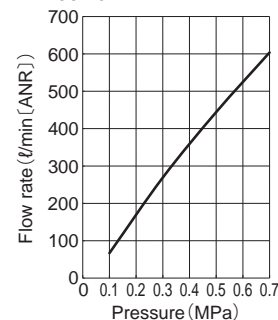
Controlled flow



Cylinder bore : max. ø40mm

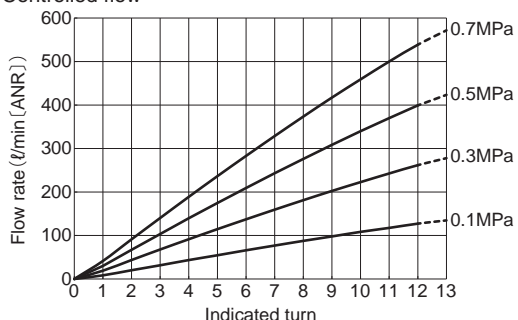
JSGC3/8-02□(L)
JSGC3/8-N2□(L)

Free flow



JSGC3/8-03□L
JSGC3/8-N3□L

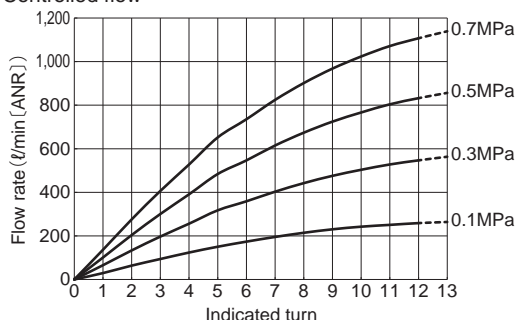
Controlled flow



Cylinder bore : max. ø50mm

JSGC3/8-03□
JSGC3/8-N3□

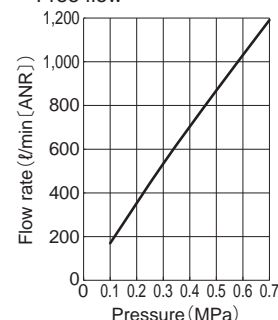
Controlled flow



Cylinder bore : max. ø180mm

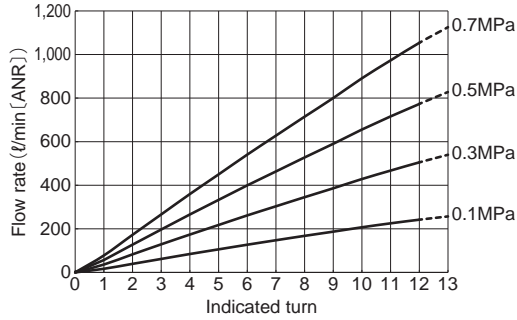
JSGC3/8-03□(L)
JSGC3/8-N3□(L)

Free flow



JSGC3/8-04□L
JSGC3/8-N4□L

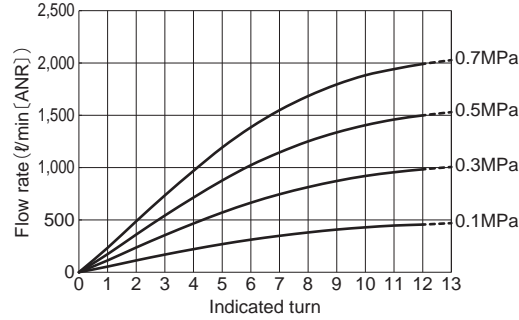
Controlled flow



Cylinder bore : max. ø160mm

JSGC3/8-04□
JSGC3/8-N4□

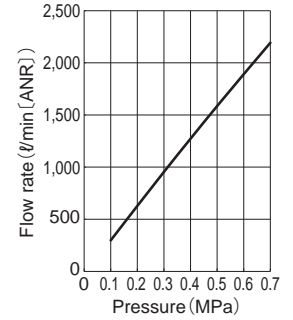
Controlled flow



Cylinder bore : max. ø200mm

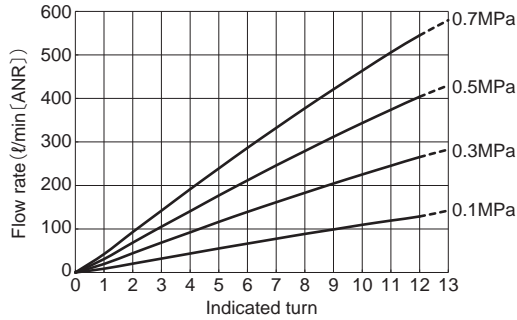
JSGC3/8-04□(L)
JSGC3/8-N4□(L)

Free flow



JSGC1/2-03□L
JSGC1/2-N3□L

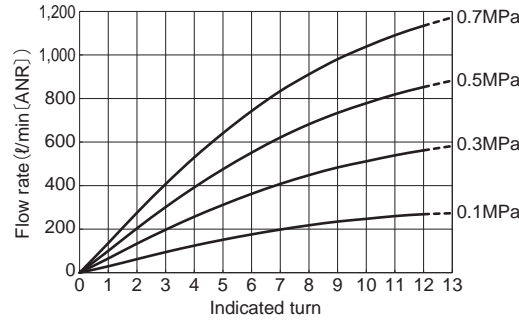
Controlled flow



Cylinder bore : max. ø50mm

JSGC1/2-03□
JSGC1/2-N3□

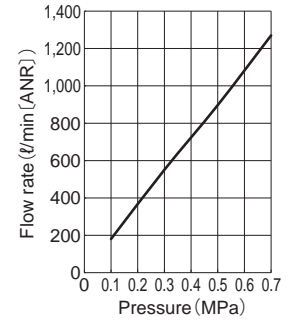
Controlled flow



Cylinder bore : max. ø180mm

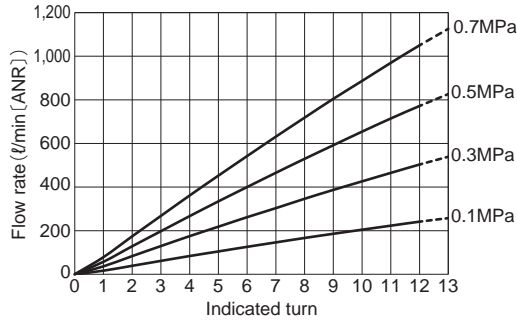
JSGC1/2-03□(L)
JSGC1/2-N3□(L)

Free flow



JSGC1/2-04□L
JSGC1/2-N4□L

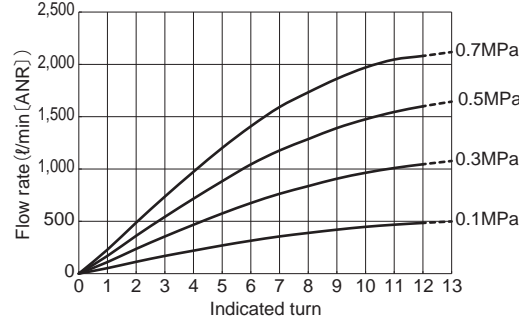
Controlled flow



Cylinder bore : max. ø160mm

JSGC1/2-04□
JSGC1/2-N4□

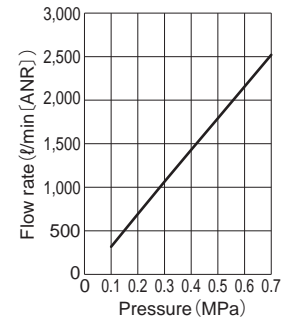
Controlled flow



Cylinder bore : max. ø250mm

JSGC1/2-04□(L)
JSGC1/2-N4□(L)

Free flow



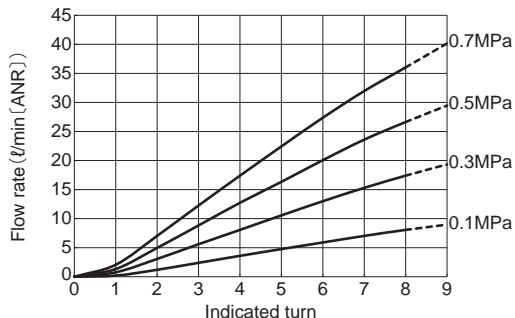
※) The flow characteristic can differ depending on the tolerance of the products and actuators, temperature and so on.

Union type (JSGU) Flow characteristics

JSGU4L

JSGU5/32L

Controlled flow

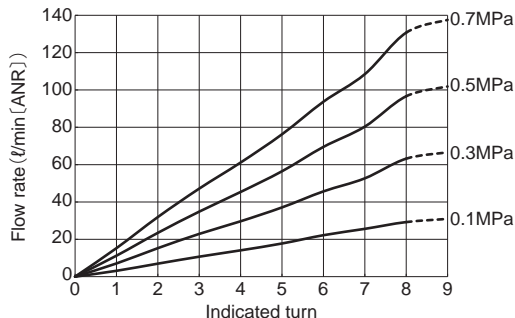


Cylinder bore : max. ø12mm

JSGU4

JSGU5/32

Controlled flow

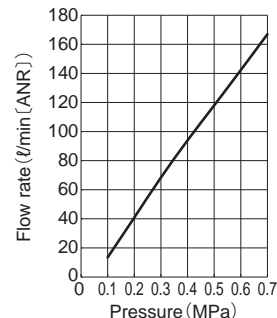


Cylinder bore : max. ø25mm

JSGU4(L)

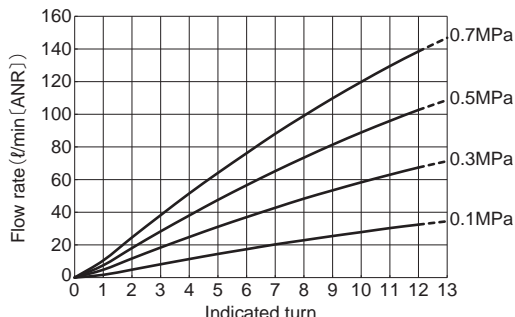
JSGU5/32(L)

Free flow



JSGU6L

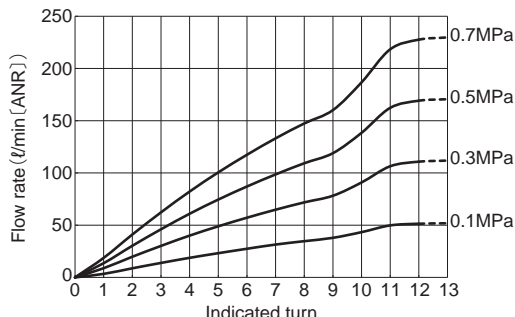
Controlled flow



Cylinder bore : max. ø25mm

JSGU6

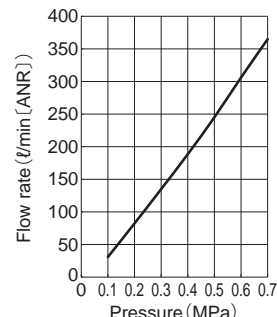
Controlled flow



Cylinder bore : max. ø32mm

JSGU6(L)

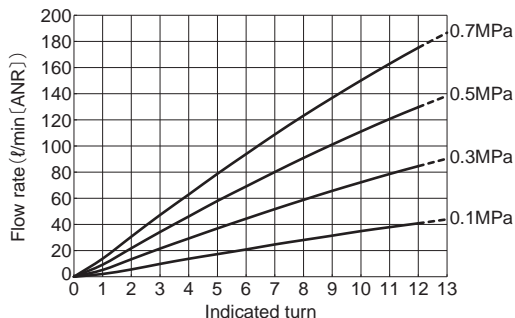
Free flow



JSGU8L

JSGU5/16L

Controlled flow

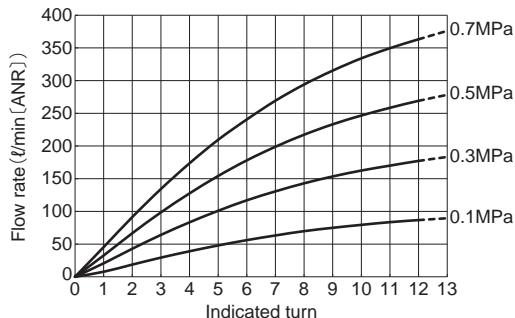


Cylinder bore : max. ø25mm

JSGU8

JSGU5/16

Controlled flow

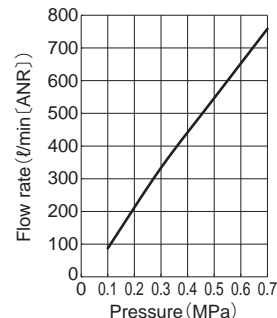


Cylinder bore : max. ø40mm

JSGU8(L)

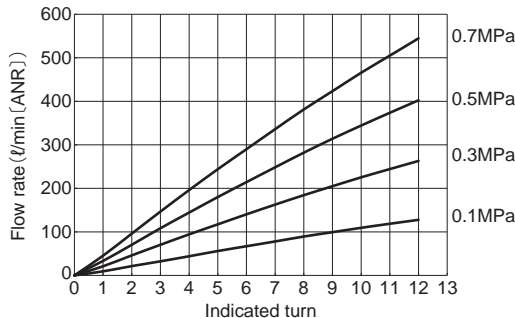
JSGU5/16(L)

Free flow



JSGU10L

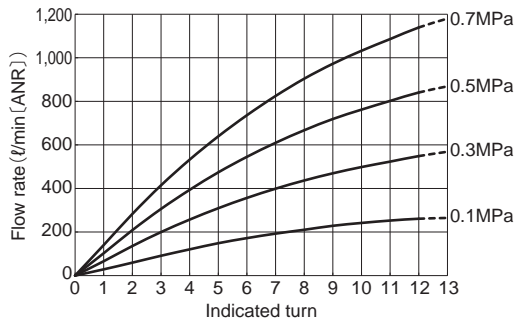
Controlled flow



Cylinder bore : max. ø50mm

JSGU10

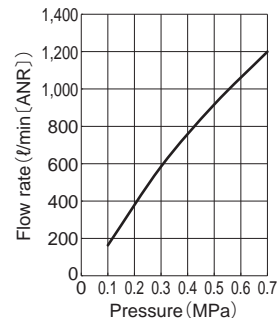
Controlled flow



Cylinder bore : max. ø180mm

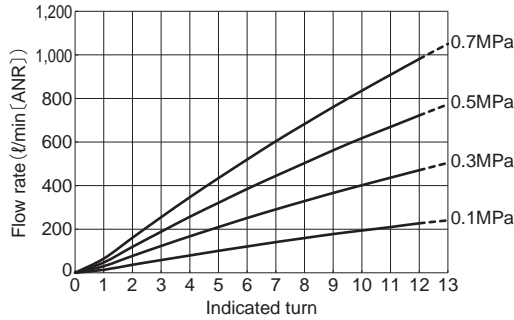
JSGU10(L)

Free flow



JSGU12L

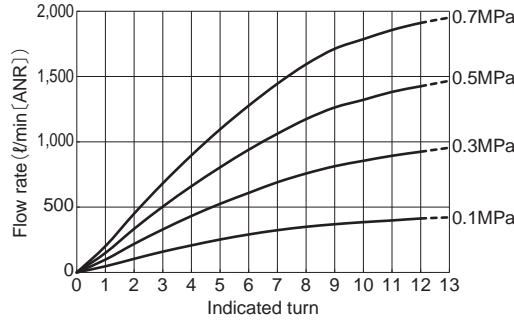
Controlled flow



Cylinder bore : max. ø160mm

JSGU12

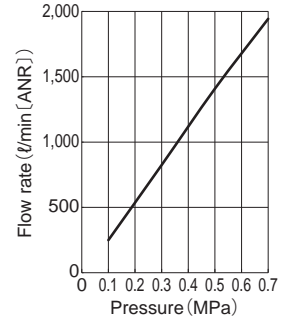
Controlled flow



Cylinder bore : max. ø200mm

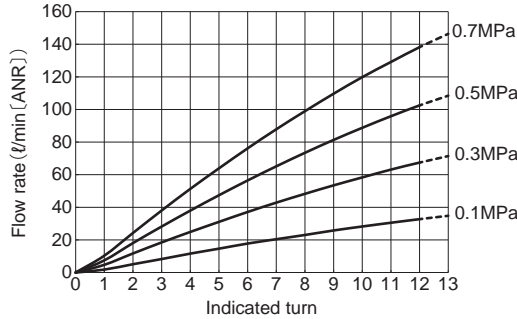
JSGU12(L)

Free flow



JSGU1/4L

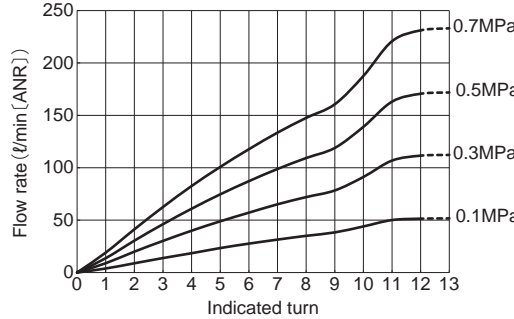
Controlled flow



Cylinder bore : max. ø25mm

JSGU1/4

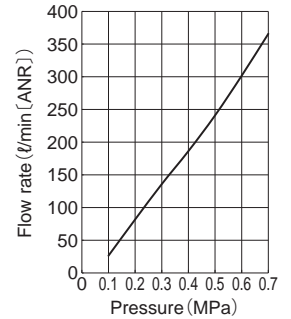
Controlled flow



Cylinder bore : max. ø32mm

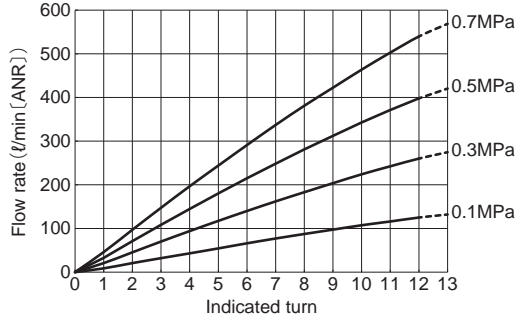
JSGU1/4(L)

Free flow



JSGU3/8L

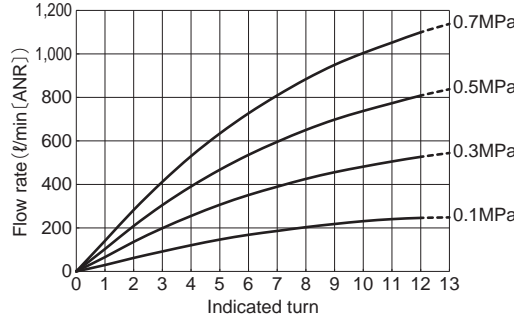
Controlled flow



Cylinder bore : max. ø50mm

JSGU3/8

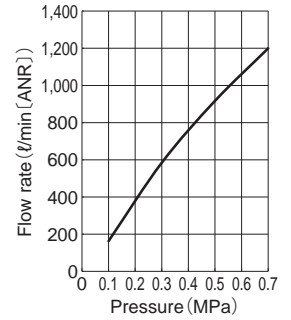
Controlled flow



Cylinder bore : max. ø180mm

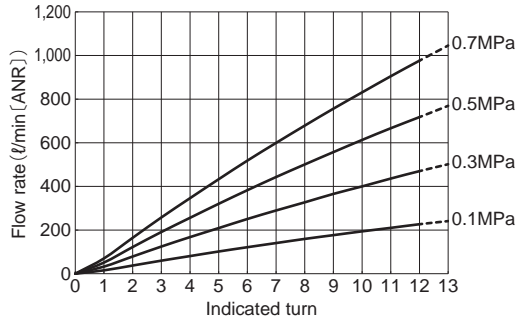
JSGU3/8(L)

Free flow



JSGU1/2L

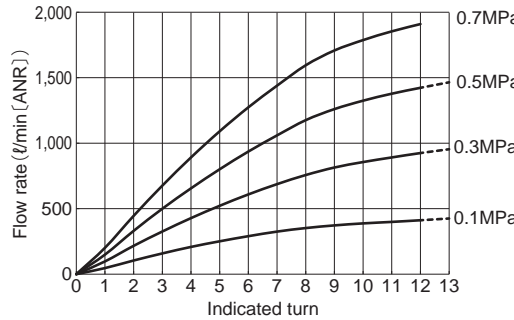
Controlled flow



Cylinder bore : max. ø160mm

JSGU1/2

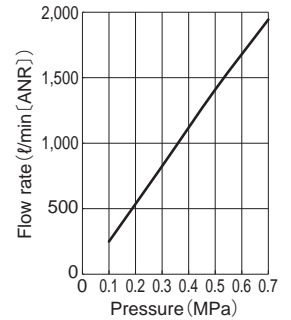
Controlled flow



Cylinder bore : max. ø200mm

JSGU1/2(L)


Free flow



Related products

For compact piping with Speed controller Push-lock type with Indicator.
Polyurethane Tube series

Polyurethane tube / UB



- ▶ Featuring excellent flexibility, it helps compact piping requiring small bending radius.
- ▶ Tubes come in a variety of 10 colors.

Fluid medium	Air, Water
Max. operating pressure (MPa)	0.8 (at 20°C 65%RH)
Max. vacuum (kPa)	-100
Operating temp. range (°C)	-15~60 (No freezing)
Min. bending radius (JIS) (mm)	Tube O.D. ø4mm : 10
	Tube O.D. ø6mm : 15
Tube color	Black, Red, Orange, Ocher, Yellow, Green, Blue, Clear blue, Clear, Milky white

Soft polyurethane tube / UC



- ▶ Best suitable for compact piping in narrow space with its flexible property.
- ▶ 6 clear colors are available.

Fluid medium	Air, Water
Max. operating pressure (MPa)	0.6 (at 20°C 65%RH)
Max. vacuum (kPa)	-100
Operating temp. range (°C)	-15~60 (No freezing)
Min. bending radius (JIS) (mm)	Tube O.D. ø4mm : 9
	Tube O.D. ø6mm : 13
Tube color	Clear black, Clear orange, Clear yellow, Clear green, Clear blue, Clear

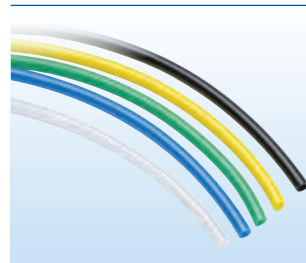
Polyurethane tube of Exclusive use for Air /UBT



- ▶ Achieved more than 20% cost saving compared to conventional UB tube, remaining the flexibility.
- ▶ 2 colors are available.

Fluid medium	Air
Max. operating pressure (MPa)	0.8 (at 20°C 65%RH)
Max. vacuum (kPa)	-100
Operating temp. range (°C)	-15~60 (No freezing)
Min. bending radius (JIS) (mm)	Tube O.D. ø4mm : 10
	Tube O.D. ø6mm : 15
Tube color	Black, Clear blue

Low-friction Polyurethane tube / UBS



- ▶ The friction coefficient is 1/3 of UB tube. Suitable for piping in cable carrier.
- ▶ 5 colors are available.

Fluid medium	Air
Max. operating pressure (MPa)	0.8 (at 20°C 65%RH)
Max. vacuum (kPa)	-100
Operating temp. range (°C)	-15~60 (No freezing)
Min. bending radius (JIS) (mm)	Tube O.D. ø4mm : 10
	Tube O.D. ø6mm : 15
Tube color	Black, Yellow, Green, Blue, Milky white

Fitting accessories

Easily attachable on release ring.
For piping identification.

Color cap

Color cap with Lock function / CAPL

- ▶ For prevention of tube coming-off by misoperation.
- ▶ Recommended fitting type : Elbow



Color cap / CAPH



- ▶ Color cap can fit on push-in fittings with release ring placed next to next.
- ▶ Recommended fitting type : Elbow, Union straight

Manufacturer / **NIHON PISCO CO.,LTD.**

<https://en.pisco.co.jp/>

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