

Symbol



Product feature

- 1. Back pressure structure, compact type, cost-effective, installation time saving.
- 2. Broad regulating range; low-pressure type is optional other than the standard type; stable output pressure; applicable to situation which has low expectation on output pressure but high expectation on performance and cost-effectiveness.
- 3. Single unit installation; easy to mount.

Ordering code

SDR		200	08	L			1		
Model		Port size		Type code		Pressure gauge		Thread type	
SDR	SDR Series regulator	Series	Port size	Blank	Standard	Blank	Pressure gauge	Blank	PT
		100	M5: M5 06: 1/8"	L	Lower pressure	N	No pressure gauge	G	G
Series code		200	06: 1/8" 08: 1/4"	Accessories		Scale		T	NPT
100	100 Series			Blank	Bracket	1	MPa		
200	200 Series			J	No bracket(standard configuration)	2	psi		
						3	bar		

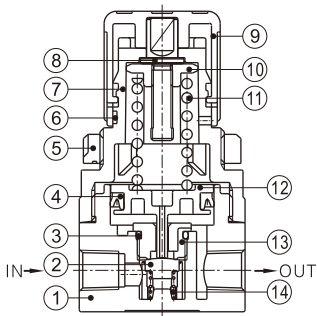
Specification

Model	SDR100-M5	SDR100-06	SDR200-06	SDR200-08	SDR100L-M5	SDR100L-06	SDR200L-06	SDR200L-08
Fluid	Air							
Pressure range	0.05~0.9MPa(7~130psi)				0.03~0.4MPa(4~57psi)			
Max. pressure	1.0MPa(145psi)				0.4MPa(58psi)			
Proof pressure	1.5MPa(215psi)							
Temperature range	-20~70℃							
Pirt size	M5	1/8"		1/4"	M5	1/8"		1/4"

Note: PT thread, G thread and NPT thread are available.

Inner structure and material of major prats

SDR200



No.	Item	Material
1	Body	Aluminum alloy
2	Needle gasket	NBR
3	O-ring	NBR
4	O-ring	NBR
5	Fixed ring	POM
6	Identification ring	POM
7	Adjusting seat	POM
8	Adjusting pillar	Brass
9	Adjusting button	POM
10	Adjusting nut	Steel
11	Adjusting spring	SWC
12	Piston rode	POM
13	Adjusting seat	POM
14	Return spring	SUS304

FRL

AC/BC

AFC/BFC

AFR/BFR

AF/BF

AR/BR

AL/BL

SR

SDR

AC

AW

AF

AR

AL

F3

F2

F1

F

R

L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QIU

QTYH

QSLH

QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

ITV

ACR

F804

PG

FRL

AC/BC
AFC/BFC
AFR/BFR
AF/BF
AR/BR
AL/BL

SR

SDR

AC
AW
AF
AR
AL
F3
F2
F1
F
R
L

USFRL

USFR/L

USFR

USF

USR

USL

QSL

QTY

QIU

QTYH

QSLH

QFRH

AFF

AF(Big)

AL(Big)

AR(Big)

AD402

AH402

AD-5

IR

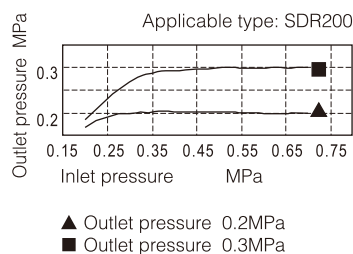
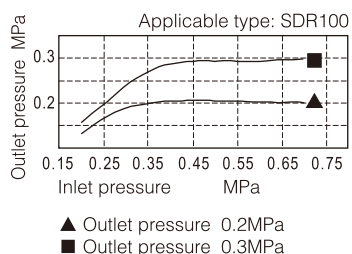
ITV

ACR

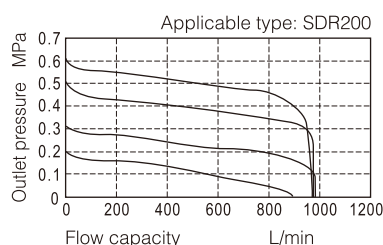
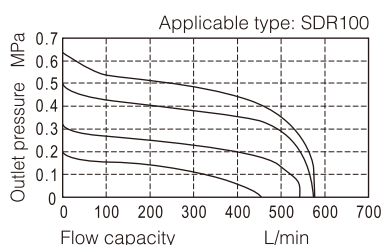
F804

PG

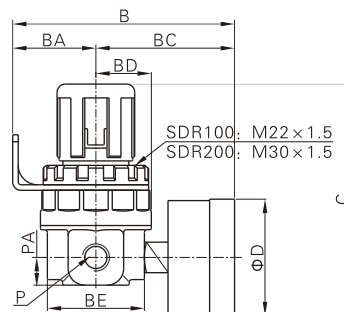
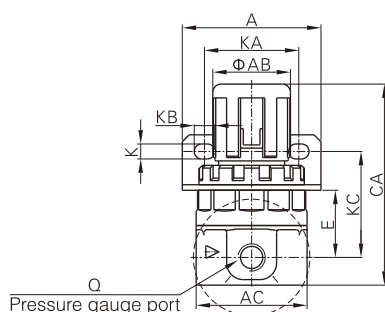
Pressure chart



Flow chart



Dimensions



Model\Item	A	AB	AC	B	BA	BC	BD	BE	C	CA	D	E	K	KA	KB	KC	P	PA	Q
SDR100□M5	35	20	32	65.5	26	39.5	14.5	29	62.5	54.5	33	17	5.5	22	7	29	M5	7.5	1/16"
SDR100□06	35	20	32	65.5	26	39.5	14.5	29	62.5	54.5	33	17	5.5	22	7	29	1/8"	7.5	1/16"
SDR200□06	50	28	40	80	30	50	20	35	83.5	72.5	42	24	5.5	34	7.5	38	1/8"	10	1/8"
SDR200□08	50	28	40	80	30	50	20	35	83.5	72.5	42	24	5.5	34	7.5	38	1/4"	10	1/8"

Note: Bracket and pressure gauge are optional.

Attentions of application



Unlock the regulating knob before pressure adjustment, then lock it after the adjustment. Otherwise, may cause the regulating knob damage or the outlet pressure change.

1. Pull the regulating knob to unlock, when the orange marking ring below the regulating knob appears, indicating that the regulating knob is unlocked.
2. Push the regulating knob to lock, when the orange marking ring below the regulating knob disappears completely, indicating that the regulating knob is locked.