

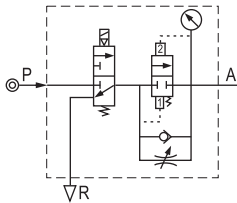
Preparation unit—Accessories

GV Series soft-start valve



GV

Symbol

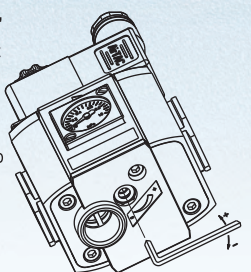


Product feature

Soft start-up valve is used to input compressed air into pneumatic system slowly and has the effect of safety and protection. Air intake is connected with the input P of Soft start-up valve. If coil is energized, the 3/2 way valve opens. At this time, a little air comes to output A through throttle valve, which increases the pressure of the system gradually; when the output pressure is equal the half of the input pressure, Soft start-up valve completely opens and the flow at this time reaches the highest value of itself. When the coil is de-energized, air intake P closes, the air returns to R orifice through reflux valve and is quickly exhausted. The pressure of the system falls to zero, which protects the whole system.

Attention

Manually adjust the "+" and "-" throttle screw at the bottom of the soft start-up valve as per the requirement of start speed. It shall go slowly, other wise sudden acting of the product or system shall be caused with a heavy impact.



Specification

Model	GV200-06	GV200-08	GV300-08	GV300-10	GV300-15	GV400-10	GV400-15
Fluid	Air						
Port size	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"
Pressure range	0.25~0.9MPa(35~130psi)						
Proof pressure	1.5MPa(215psi)						
Temperature range	-20~70°C						
Acting type	Solenoid control						
Exhaust port size	1/4"		3/8"			1/2"	
Power connection	Terminal, Grommet						
Standard voltage	AC220V, 110V, 24V(50/60Hz); DC12V, 24V						
Voltage range	-15%~+10%						
Insulation	Class B						
Power consumption	AC: 3.5VA; DC: 2.5W						
Option pressure gauge	F: Square pressure gauge; C: Circular pressure gauge						
Suitable F.R.L type	GC200-06	GC200-08	GC300-08	GC300-10	GC300-15	GC400-10	GC400-15

① PT thread, G thread and NPT thread are available.

Ordering code

GV300 10 **F 1 A**

- Model**
 - GV200: 200 Series soft start-up valve
 - GV300: 300 Series soft start-up valve
 - GV400: 400 Series soft start-up valve
- Port size**

Model	Port size
200 Series	06: 1/8"
	08: 1/4"
300 Series	08: 1/4"
	10: 3/8"
400 Series	10: 3/8"
	15: 1/2"
- Thread type**
 - Blank: PT
 - G: G
 - T: NPT
- Electrical entry**
 - Blank: Terminal
 - I: Grommet
- Voltage**
 - A: AC220V(50/60Hz)
 - B: DC24V
 - C: AC110V(50/60Hz)
 - E: AC24V(50/60Hz)
 - F: DC12V
- Accessories**
 - Blank: Bracket
 - J: No bracket(standard configuration)
- Pressure gauge**
 - Blank: Pressure gauge
 - N: No pressure gauge
- Pressure gauge shape**
 - F: Square
 - C: Circular
- Scale**
 - 1: MPa
 - 2: psi
 - 3: bar

Note: When it is used with F.R.L. combination, extra mounting bracket is need. Please refer to P150 for order detail.

Inner structure

No.	Item	No.	Item	No.	Item
1	Bottom cover	13	Gasket	25	Spring
2	Gasket	14	Gasket	26	Manual override
3	Spool	15	Pilot kit	27	Fixed screw
4	Body	16	spring	28	Spring
5	O-ring	17	Fixed lplate	29	Valve spool
6	O-ring	18	Coil set	30	O-ring
7	Spring	19	Nut	31	Valve spool
8	Inlet piston	20	Connector	32	O-ring
9	Piston gasket	21	Spring	33	O-ring
10	O-ring	22	O-ring	34	Inlet plug
11	Snap ring	23	Manual override block		
12	Gasket	24	O-ring		

Dimensions

Item\Model	GV200	GV300		GV400	
	06 08	08	10	15	10 15
A	80	95	120		
AB	59	74	90		
B	57	62.2	80		
BA	24.5	31.5	40.5		
C	123.5	131	142.5		
K	5.5	6.5	8.5		
KA	67	82	102		
KB	8	8	11		
KC	30.5	34.5	39		
P	1/8" 1/4"	1/4" 3/8"	1/2" 3/8"	1/2"	1/2"
PA	30	34	40.5		
Q	1/4"	3/8"	1/2"		