

GOVERNOR

(AICHI TOKEI DENKI CO.,LTD)



Governor

Aichi Tokei's governors are actively working at various locations for energy-saving, labor-saving on energy control, and providing safe supply of gas.

The ones introduced here are Aichi Tokei's standard governors.

- Governor for high temperature gas
- Governor with the precise adjustment handle
- Governor for gas that contains sulfide
- Other special governors

Industrial Appliance Governor



Model A-N

Overview	
Inlet pressure P1	1 to 50kPa except A8N-1 and A10N-1 (1 to 20kPa) and A13N-1 (1 to 40kPa)
Outlet pressure P2	0.5 to 30kPa except A8N-1 and A10N-1 (0.5 to 10kPa) and A75N-11 (0.7 to 30kPa)
Pipe size	1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3" (DN: 8, 10, 13, 20, 25, 30, 40, 50, 75mm) Same size for the inlet and outlet and is as same as [] of A[]N.
Max. pressure difference	30kPa except A8 to A13 (10kPa)
Min. pressure difference	0.5kPa
Working temperature range	0 to 60 °C

Model	
A8N-1 to A50N-1	General purpose type
A20N-2 to A50N-2	High performance type
A40N-11 to A75N-11	Large capacity, high performance type



Model AH

Overview	
Inlet pressure P1	30 to 300kPa
Outlet pressure P2	2 to 20kPa
Working temperature range	0 to 60 °C

Model and pipe size		
High response type	Inlet	Outlet
AH40N-11	1 1/2" (40mm)	1 1/2" (40mm)
AH50N-11	2" (50mm)	2" (50mm)
AH75N-11	3" (75mm)	3" (75mm)



Model C-N

Overview	
Inlet pressure P1	30 to 500kPa
Outlet pressure P2	1 to 30kPa
Working temperature range	0 to 60 °C

Model and pipe size		
General purpose type	Inlet	Outlet
C13N-005-1	1/2" (13mm)	1/2" (13mm)
C20N-005-1	3/4" (20mm)	3/4" (20mm)
C20N-015-1	3/4" (20mm)	3/4" (20mm)

C25N-050-1	1" (25mm)	1 1/2" (40mm)
C40N-100-1	1 1/2" (40mm)	2" (50mm)
C50N-200-1	2" (50mm)	2" (50mm)



Model CH

Overview	
Inlet pressure P1	30 to 300kPa
Outlet pressure P2	1 to 20kPa
Working temperature range	0 to 60 °C

Model and pipe size		
High response type	Inlet	Outlet
CH25N-050-1	1" (25mm)	1 1/2" (40mm)

Ductile Governor



Model A-N-D

Overview	
Inlet pressure P1	1 to 50kPa
Outlet pressure P2	0.5 to 30kPa except A75N-51D (0.7 to 30kPa)
Max.pressure difference	30kPa
Min.pressure difference	0.5kPa
Working temperature range	0 to 60 °C

Model and pipe size		
High response type	Inlet	Outlet
A50N-6D	2" (50mm)	2" (50mm)

Large capacity, high performance type	Inlet	Outlet
A50N-51D	2" (50mm)	2" (50mm)
A75N-51D	3" (75mm)	3" (75mm)



Model C-N-6D

Overview	
Inlet pressure P1	30 to 1060kPa
Outlet pressure P2	1 to 30kPa
Working temperature range	0 to 60 °C

Model and pipe size		
High response type	Inlet	Outlet
C20N-6D	3/4" (20mm)	3/4" (20mm)
C25N-6D	1" (25mm)	1 1/2" (40mm)
C40N-6D	1 1/2" (40mm)	2" (50mm)
C50N-6D	2" (50mm)	2" (50mm)

ZERO Governor



Model A-Z

Overview	
<In case of adoption as a zero governor>	
Inlet pressure P1	0.5 to 20kPa except A8Z-1, A10Z-1 and A13Z-1 (0.5 to 10kPa)
Outlet pressure P2	0kPa
<In case of adoption as a proportional governor>	
Inlet pressures P1	Max.50kPa

Outlet pressure P2	Max.30kPa,P2=loading pressure (PL)
Max.pressure difference	30kPa
<Common specification>	
Pipe size	1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3" (DN: 8, 10, 13, 20, 25, 30, 40, 50, 75mm) Same size for the inlet and outlet and is as same as [] of A[]Z.
Working tempera ture range:	0 to 60 °C

Model	
A8Z-1 to A50Z-1	General purpose type
A20Z-2 to A50Z-2	High performance type
A40Z-11 to A75Z-11	Large-capacity, high-performance type

Filters for Governor



Model YS/YK13S

Overview	
Max. working pressure*	0.5MPa for YS and 1.0MPa for YK13S
Pipe size	1/2", 3/4", 1", 1 1/4", 1 1/2", 2" (13, 20, 25, 30, 40, 50mm)

Model and body material	
Model	Material
YS15 to YS50	FC200
YK13S-15A to YK13S-50A	SCS13A

Overview	
Max. working pressure	0.5MPa for F-MK2, 1.0mpa for FD-MK2
Pipe size	2", 3", 4", 6" (50, 80, 100, 150mm)

Model and body material	
Model	Material
F50-MK2	Cast aluminum alloy
F80-MK2 to F150-MK2	Gray cast iron
F80D-MK2 to F150D-MK2	Ductile iron

*: "Pressure difference" = difference of pressure between P1 and P2 (P2 minus P1)

Note

1. 1kPa = 101.972mmH₂O
2. "Pressure difference" = difference of pressure between P1 and P2 (P2-P1)

Specifications are subject to change without notice