



CONTROL VALVES

CYLINDER ACTUATED TYPE

910

GENERAL

Series 910 control valve are actuated by cylinder, providing high thrust because of an extensive range of supply pressure and long stroke offered. Cylinder type actuators, provide extra features diaphragm actuators do not have. They are particularly suitable for applications where compact feature or a higher thrust than that of diaphragm actuators are required. They are also available for on/off and emergency shut-off control system.



SPECIFICATIONS

■ BODY

Type : Single seated, direct or reverse type, globe valve.
3 way mixing or diverting type.

Material : Cast iron (FC250), Ductile iron (FCD450),
Carbon steel (SCPH2),
Stainless steel (SCS13, SCS14)

Size : 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 3", 4", 5", 6", 8"

End connection : Flange end (FF,RF) or others

Rating : JIS 10K, 20K, 30K.

ANSI 150, 300, 600 lb.

Bonnet : Standard, extension neck, radiator fin,
bellows seal.

Packing : V-teflon, asbestos yarn on carbon graphite.

Guide : Top and bottom guide, top guide.

■ TRIM

Plug form : Teflon seat plug for on-off or EQ% or linear

Material : Stainless steel (SUS304, SUS316 with satellite
coating furnished to the seat).

■ ACTUATOR

Type : Spring return cylinder actuated, direct or
reverse.(1/2"~4")

Double-action cylinder actuated.(5"~8")

Cylinder material : Aluminum alloy, anodized
or others.

Operating air pressure : 3~5 kg/cm²G (40~72 PSIG)

Pneumatic tubing connection : 1/4" female tap.

Ambient temperature : -20~+60°C

■ VALVE ACTION

Air to either open or close by using direct or
reverse actuator.

■ ACCESSORIES

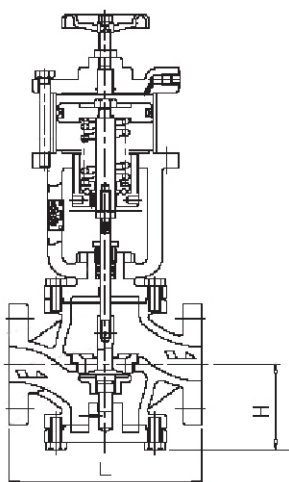
Handwheel

Positioner, limit switch, air set & Lubricator

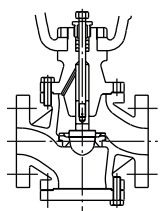
■ PERFORMANCE

Leakage of full closure : Class IV~VI to be specified

VALVE BODY

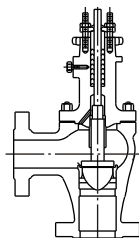


■ 910



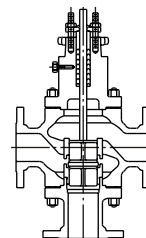
Standard body
(2-way)

■ 911



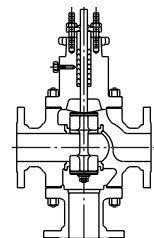
Angle body
(2-way)

■ 912



Three-way body
for mixing services

■ 913






Three-way body
for diverting service

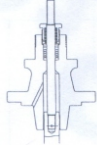
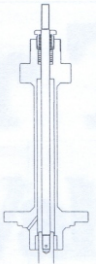
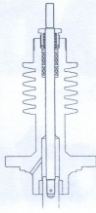
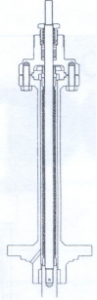
■ DIMENSION (mm)

SIZE		1/2"~1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
L	SCPH2, SCS13,SCS14	180	180	190	200	230	260	290	340	400	520
	FC	160									525
H		70	80	95	110	115	130	165	180	220	230

PLUG FORM SELECTIONS

CODE		
0	1	2
QUICK-OPENING (ON / OFF)	EQ%	LINEAR
		
Standard		

BONNET SELECTIONS

CODE			
A	B	C	D
			
Standard	Extension	Radiator Fin	Bellows Seal

MATERIAL SELECTIONS

SERVICE		STEAM, WATER, OIL, AIR & OTHER FLUIDS	HIGH TEMP. FLUIDS	LOW TEMP. FLUIDS	
MATERIAL	BODY	FC / SCPH2 SCS13 / SCS14	SCPH2 SCS13 / SCS14		
	TRIM	SEAT	304SS / 316SS or with stellite coating		
		PLUG	Teflon / 304SS / 316SS or with stellite coating		
		SHAPE	Quick-opening (ON/OFF, Std.)	EQ% or linear for options	
		BONNET	FC / SCPH2 SCS13 / SCS14	SCPH2 SCS13 / SCS14	
PACKING		V-Teflon	Carbon graphite	V-Teflon	
	AIR SUPPLY	4~7 kg/cm ²			

MODEL SELECTIONS

ITEM	CODE	SPECIFICATION
① MODEL	910	GLOBE VALVE OF 2-WAY TYPE
	911	GLOBE VALVE OF ANGLE & 2-WAY BODY
	912	THREE WAY GLOBE VALVE FOR MIXING SERVICE
	913	THREE WAY GLOBE VALVE FOR DIVERTING SERVICE
	914	OEM VERSIONS
② PROCESS CONNECTION	A	Flange style (Standard)
	B	Thread style
	C	Welding style
	D	To be specified
③ BODY MATERIAL	-0	FC200 / A126
	-1	FCD / A395
	-2	SCPH2 / A216WC
	-3	SCS13 / A351 CF8
	-4	SCS14 / A351 CF8M
	-5	To be specified
④ MATERIAL OF PACKING / GASKETS	0	PTFE V-ring for stem / Flat gasket for bonnet
	1	Braided packing for stem / Spiral wound gasket for bonnet
	2	To be specified
	3	To be specified
⑤ PLUG FORM	0	Quick-opening (ON / OFF) (Standard)
	1	EQ%
	2	Linear contoured
	3	To be specified
	4	To be specified
⑥ TRIM MATERIAL OF PLUG / SEAT (DIAPHRAGM MATERIAL FOR SAUNDERS VALVE)	0	304SS / A182 F304
	1	316SS
	2	PTFE
	3	Stellite treatment
	4	To be specified
⑦ BONNET TYPE (OPERATING TEMP.)	-A	Standard (-20~+200°C)
	-B	With extension neck (-200~+300°C)
	-C	With radiator fin (-200~+300°C)
	-D	With bellows seal (-200~+350°C)
	-E	To be specified
⑧ VALVE ACTION	A	Air to open (Directly)
	B	Air to close (Revers)
	C	To be specified
⑨ FAILURE POSITION	A	Open
	B	Close
	C	To be specified
⑩ ACCESSORIES (P/P or E/P POSITIONER, SOLENOID VALVE, AIR SET, LUBRICATOR, LIMIT SWITCH, HANDWHEEL ----- etc.)	A	Not required
	B	Required
⑪ CONNECTION SIZE	-015	15A
	-200	200A
	-XXX	Required

The specifications are subject to change without prior notice.

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