

COS/CCS-1,1H Type Cylinder Valve

Piston type

Cylinder valves that open or close by switching operating pressure of air, suitable for applications requiring frequent operation or environment with explosive atmosphere where electricity needs to be avoided.

COS, CCS Type series are cylinder valves with a variety of models that are different in operation, connecting method, and material.

FEATURES

- Compact, light weight.
- Wide range of applicable pressure.

- A variety of models for different conditions.

SPECIFICATIONS

Model name		COS-1		CCS-1		COS-1H		CCS-1H		
Code name		COS1-W	COS1-V	CCS1-W	CCS1-V	COS1H-W	COS1H-V	CCS1H-W	CCS1H-V	
Body part	Operation	Air to open		Air to close		Air to open		Air to close		
	Size(mm)	10~65	10~50	10~65	10~50	10~65	10~50	10~65	10~50	
	Applicable fluid	Water, hot water, air & oils(kerosene, diesel oil & A class heavy oil, level.)*				Steam, hot water & oils*				
	Fluid temperature	5~100℃				Max. 180℃(For hot water:Max. 100℃)				
	Fluid viscosity	Max. 50cSt				—				
	Applicable pressure	0~1.0MPa								
	Materials	Body	Cast bronze	Stainless steel	Cast bronze	Stainless steel	Cast bronze	Stainless steel	Cast bronze	Stainless steel
		Trim	Stainless steel with Teflon tip							
	End connection	Screwed JIS Rc								
	Valve body pressure test	Hydraulic 1.5MPa								
Actuating part	Type	Single action type(Spring-return)								
	Materials	Cast aluminum								
	Actuating air pressure	0.3~0.7MPa								
	Air tight test	0.9MPa(By air pressure)								

* If there is any local regulation for fuel oil or diesel oil, confirm the body materials according to the regulation.

DIMENSIONS(Body materials Cast bronze)

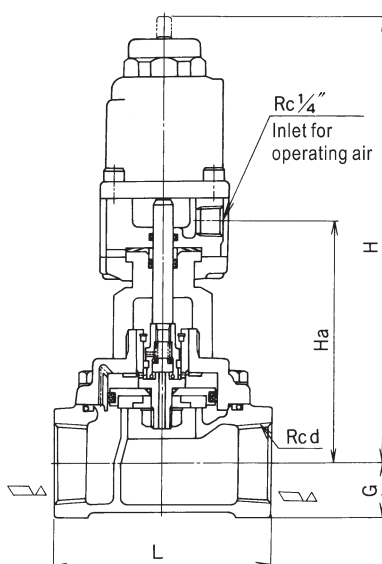
(mm)

Size	d	L	G	COS-1		CCS-1		COS-1H		CCS-1H		Cv value	Mass (kg)
				H	Ha	H	Hb	H	Ha	H	Hb		
10(3/8")	3/8"	63	15	171	89	167	139	242	160	238	210	3	2
15(1/2")	1/2"	63	15	171	89	167	139	242	160	238	210	4.5	2
20(3/4")	3/4"	80	18	176	93	172	143	247	164	243	214	7.5	2
25(1")	1"	90	22	183	99	179	149	255	171	250	221	11	2.5
32(1 1/4")	1 1/4"	106	27	190	105	186	155	261	176	257	226	17	3
40(1 1/2")	1 1/2"	118	30	193	108	189	158	264	179	260	229	23	4
50(2")	2"	140	37	208	122	204	172	280	194	275	244	35	5.5
65(2 1/2")	2 1/2"	160	45	238	140	226	190	309	211	297	261	50	8

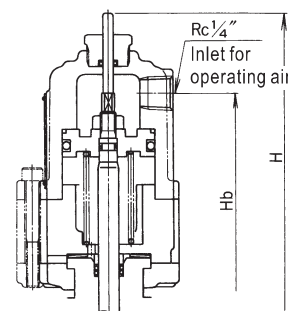
* Contact our local agent for dimension of valve body with stainless steel.

CONSTRUCTION

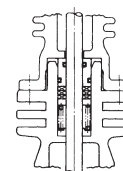
COS-1 Type



Drive unit of CCS-1,1H Type



Gland of COS/CCS-1H Type



COS-1, CCS-1 Type



COS-1H, CCS-1H Type