

COF/CCF-1,1H Type Cylinder Valve

Piston type

Flange 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. COF, CCF 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			COF-1		CCF-1		COF-1H		CCF-1H		
Code name*2			COF1-W	COF1-V	CCF1-W	CCF1-V	COF1H-W	COF1H-V	CCF1H-W	CCF1H-V	
Body part	Operation		Air to open		Air to close		Air to open		Air to close		
	Size(mm)		15~80	15~50	15~80	15~50	15~80	15~50	15~80	15~50	
	Applicable fluid		Water, hot water, air & oils(kerosene, diesel oil & A class heavy oil level.)*1				Steam, hot water & oils*1.				
	Fluid temperature		5~100℃				Max. 180℃(For hot water:Max. 100℃)				
	Fluid viscosity		Max. 50cSt				—				
	Applicable pressure		0~1.0MPa								
	Materials	Body	Cast bronze*2.	Stainless steel	Cast bronze*2.	Stainless steel	Cast bronze*2.	Stainless steel	Cast bronze*2.	Stainless steel	
		Trim	Stainless steel with Teflon tip								
	End connection		Flanged JIS 10KFF								
	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)								

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

*2. The body of size 80mm model is made of cast iron. The product code names of COF-1, CCF-1, COF-1H, and CCF-1H model name are COF1-S, CCF1-S, COF1H-S, and CCF1H-S respectively.

■ DIMENSIONS(Body materials Cast bronze)

(mm)

Size	L	G	COF-1		CCF-1		COF-1H		CCF-1H		Cv value	Mass (kg)
			H	Ha	H	Hb	H	Ha	H	Hb		
15(1/2")	112	21	171	89	167	139	242	160	238	210	4.5	3.5
20(3/4")	118	24	176	93	172	143	247	164	243	214	7.5	4
25(1")	140	27	183	99	179	149	255	171	250	221	11	6
32(1 1/4")	150	32	190	105	186	155	261	176	257	226	17	7
40(1 1/2")	160	35	193	108	189	158	264	179	260	229	23	8
50(2")	190	41	208	122	204	172	280	194	275	244	35	9
65(2 1/2")	212	50	238	140	226	190	309	211	297	261	50	15
80(3")	290	50	258	160	246	210	329	231	317	281	70	26.5

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

Flange code JIS 10KFF

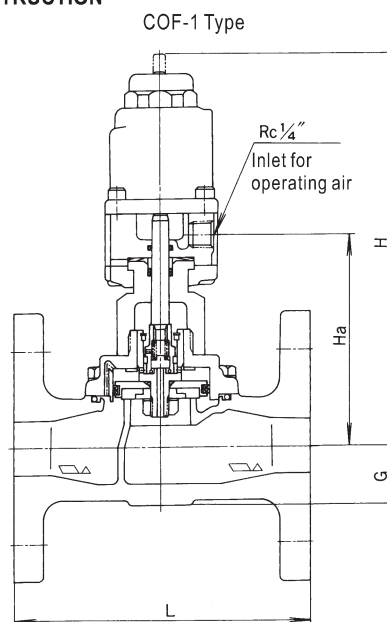
■ CONSTRUCTION



COF-1, CCF-1 Type

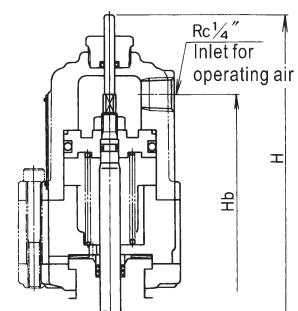


COF-1H, CCF-1H Type

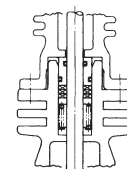


COF-1 Type

Drive unit of CCF-1, 1H Type



Gland of COF/CCF-1H Type



Note: Depending on size, the structure may vary.