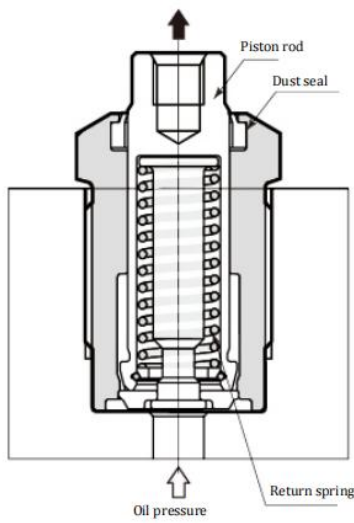


Push clamp with screw thread around the main body



- There is no vent, which can prevent the fault caused by the entry of coolant.
- The movable part is provided with a dust seal to prevent the adhesion of foreign matters.

Model Representation

HCMC ① - ②③④ (Example: HCMC 06-5RV)

① Size (refer to specification table) ② Stroke (refer to specification table) ③ Rod top shape ④ Special specification mark

HCMC	01	5	10	15	Unmarked: Threaded (standard) R: Spherical type	Unmarked: dust seal NBR (standard) V ※: dust seal (viton) (except HCMC10, 20, 40 and 6)	
	03	5	10	15			
	04	5	10	15			20
	06	5	10	15			20
	10	5	10	15			25
	20	10	15	20			32
	25	12	20	32			
	40	16	25	40			
	60	16	25	40			

Specification

Model		HCMC01			HCMC03			HCMC04				HCMC06			
Stroke	(mm)	5	10	15	5	10	15	5	10	15	20	5	10	15	20
Cylinder capacity ※1 (kN)	When the oil pressure is 3.5MPa	0.16			0.4			0.5				0.8			
	When the oil pressure is 7MPa	0.34			0.8			1.0				1.7			
	When the oil pressure is 25MPa	1.24			2.8			3.8				6.3			
	When the oil pressure is 35MPa	1.74			3.9			5.3				8.8			
Main rod diameter	(mm)	8			12			14				18			
Cylinder area	(cm ²)	0.50			1.13			1.54				2.55			
Maximum flow	(R/min)	0.15			0.34			0.46				0.76			
Cylinder capacity	(cm ³)	0.3	0.5	0.8	0.6	1.1	1.7	0.8	1.5	2.3	3.1	1.3	2.5	3.8	5.1
Return spring force ※2	(N)	13 ~ 19			28 ~ 42			38 ~ 59				62 ~ 100			
Mass	(kg)	0.05	0.06	0.08	0.07	0.10	0.13	0.09	0.12	0.15	0.20	0.16	0.21	0.26	0.32
Operating oil pressure range	(MPa)	1 ~ 35													
Guaranteed withstand pressure	(MPa)	52.5													
Operating ambient temperature	(°C)	0 ~ 70													
Operating fluid		Ordinary mineral oil-based hydraulic oil (equivalent to ISO-VG32)													

※ 1: The oil cylinder capacity indicates the value when the return spring force is not subtracted. ※ 2: The return spring force represents the value from the lower end to the rising end of the piston.

Model		HCMC10				HCMC20				HCMC25			HCMC40			HCMC60			
Stroke	(mm)	5	10	15	25	10	15	20	32	12	20	32	16	25	40	16	25	40	
Cylinder capacity ※1 (kN)	When the oil pressure is 3.5MPa	1.3				2.6				3.1			5.1			7.5			
	When the oil pressure is 7MPa	2.6				5.4				6.6			10.6			15.8			
	When the oil pressure is 25MPa	9.7				19.9				24.4			39.3			58.6			
	When the oil pressure is 35MPa	13.7				27.9				34.3			55.2			82.4			
Main rod diameter	(mm)	22.4				32				35.5			45			55			
Cylinder area	(cm ²)	3.94				8.04				9.90			15.90			23.76			
Maximum flow	(R/min)	1.18				2.41				2.97			4.77			7.13			
Cylinder capacity	(cm ³)	2.0	3.9	5.9	9.9	8.0	12.0	16.0	20.1	11.9	19.8	31.7	25.4	39.8	63.6	38.0	59.4	95.0	
Return spring force ※2	(N)	97 ~ 160				200 ~ 310				240 ~ 405			370 ~ 600			570 ~ 1010			
Mass	(kg)	0.24	0.30	0.35	0.60	0.63	0.78	0.91	1.38	0.81	1.02	1.36	1.45	1.8	2.46	2.59	3.23	4.3	
Operating oil pressure range	(MPa)	1 ~ 35																	
Guaranteed withstand pressure	(MPa)	52.5																	
Operating ambient temperature	(°C)	0 ~ 70																	
Operating fluid		Ordinary mineral oil-based hydraulic oil (equivalent to ISO-VG32)																	

※ 1: The oil cylinder capacity indicates the value when the return spring force is not subtracted. ※ 2: The return spring force represents the value from the lower end to the rising end of the piston.