

Every 4th car is equipped with a **SANHUA** expansion valve



YEARLY SANHUA SUPPLIES OVER
40 MILLION THERMOSTATIC AND ELECTRONIC
EXPANSION VALVES TO THE HVAC &
AUTOMOTIVE INDUSTRIES WORLDWIDE

ADVANCED Technology & Solutions

- ✓ Improves HVACo-R system efficiency up to **20%**
- ✓ DPFe-VPF series from 2kW to 1400 kW
*75kW and 1400kW available in Quarter 4
- ✓ Advanced MSS (Minimum Stable Superheat) control logic



Ball Valve

APPLICABLE
FOR R744 (CO₂)

MEDIUM
TEMPERATURE
TS MIN./MAX.:
-40°C/+150°C

MAX. OPERATING
PRESSURE PS:
4,5 MPa (45 bar)

INSTALLATION
POSITION: liquid,
suction and discharge
line in all directions

CERTIFICATIONS:
PED declaration



DECLARATION OF
CONFORMITY:
Pressure Equipment
Directive 97/23/EC

CBV SERIES

GENERAL CHARACTERISTICS



CBV valves are typically used in commercial CO₂ refrigeration applications in order to open and to shut off inner flow path by operating the valve stem. The ball valve of series CBV is applicable for subcritical CO₂ refrigeration systems and is a perfect choice for all similar CO₂ systems.

Model	Part Number ¹⁾	Connection Ø d ODF		Kv [m ³ /h]	Wrench Size Cap [mm]	PED Category
		[inch]	[mm]			
CBV02-002	CBV-67001	-	6	1,9	H14	3.3
CBV02-001	CBV-67002	1/4	-	1,9	H14	3.3
CBV03-001	CBV-67003	3/8	-	5,5	H14	3.3
CBV03-002	CBV-67004	-	10	5,5	H14	3.3
CBV04-002	CBV-67005	-	12	10,2	H14	3.3
CBV04-001	CBV-67006	1/2	-	10,2	H14	3.3
CBV05-001	CBV-67007	5/8	16	13,8	H14	3.3
CBV06-002	CBV-67008	-	18	19,5	H17	3.3
CBV06-001	CBV-67009	3/4	-	19,5	H17	3.3
CBV07-001	CBV-67010	7/8	22	28,0	H17	3.3
CBV09-002	CBV-67011	-	28	51,5	H17	3.3
CBV09-001	CBV-67012	1 1/8	-	51,5	H17	3.3
CBV11-001	CBV-67013	1 3/8	35	80,0	H17	I
CBV13-002	CBV-67014	1 5/8	-	119,8	H17	I
CBV13-003	CBV-67015	-	42	119,8	H17	I
CBV17-001	CBV-67016	2 1/8	54	225,0	H19	I

Note: 1) Extent of delivery: valve body and standard cap

Check Valve Piston Type

REFRIGERANT
R22, R134a, R404A,
R407C, R410A, R507A

LARGE TEMPERATURE
SERVICE RANGE
-50°C to +140°C

PS
46 bar

SOLDER
CONNECTION



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YCV SERIES



Piston type check valves are designed for installation in commercial refrigerating systems and in residential or industrial air conditioning plants. They are used to control the unidirectional flow of refrigerant so as to prevent backflow.

Part number	Type	Connection Ø ODF		Kv [m ³ /h]
		[in]	[mm]	
YCV-15001	straight-way	-	6	0,56
YCV-15002	straight-way	1/4	-	0,56
YCV-15007	straight-way	3/8	-	1,43
YCV-15008	straight-way	3/8	-	1,43
YCV-15009	straight-way	-	10	1,43
YCV-15010	straight-way	-	10	1,43
YCV-15015	straight-way	-	12	2,1
YCV-15016	straight-way	-	12	2,1
YCV-15017	straight-way	1/2	-	2,1
YCV-15018	straight-way	1/2	-	2,1
YCV-15021	straight-way	5/8	16	3,9
YCV-15022	straight-way	5/8	16	3,9
YCV-15027	straight-way	-	18	5,52
YCV-15028	straight-way	-	18	5,52
YCV-15029	straight-way	3/4	-	5,52
YCV-15030	straight-way	3/4	-	5,52
YCV-15051	straight-way	7/8	22	5,52
YCV-15052	straight-way	7/8	22	5,52
YCV-15033	L-shape	7/8	22	13,2
YCV-15034	L-shape	7/8	22	13,2
YCV-15039	L-shape	-	28	19,02
YCV-15040	L-shape	-	28	19,02
YCV-15041	L-shape	1 1/8	-	19,02
YCV-15042	L-shape	1 1/8	-	19,02
YCV-15045	L-shape	1 3/8	35	29,1
YCV-15046	L-shape	1 3/8	35	29,1
YCV-15047	L-shape	1 5/8	-	29,1
YCV-15048	L-shape	1 5/8	-	29,1
YCV-15049	L-shape	-	42	29,1
YCV-15050	L-shape	-	42	29,1

CE RoHS