

CCV-H SERIES**CHECK VALVE
MAGNETIC TYPE**

Magnetic 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 to prevent backflow; the magnetic actuator guarantees a high reliability standard. The Design Pressure (PS) of the versions CCV-H [49 bars] and the allowed refrigerant temperatures range [from -40°C to +150°C], permits a safe and reliable installation also in R32 systems without liquid injection and high discharge temperatures.

**FEATURES**

- THIS VALVE CAN ENSURE THE ONLY CORRECT FLOW DIRECTION.
- MAGNETIC CLOSURE ELEMENT FOR HIGH RELIABILITY STANDARDS
- COMPACT AND SEALED DESIGN WITH NO RISK OF EXTERNAL LEAKAGE: HIGHLY SUGGESTED FOR APPLICATIONS WITH FLAMMABLE REFRIGERANTS.
- SMALLER CCV-H SIZES [FROM CCV2H TO CCV6H] HAVE COPPER VALVE BODIES WHILE BIGGER CCV-H SIZES HAVE STAINLESS STEEL VALVE BODIES (WITH COPPER JOINTS, NO WELDING PROTECTION IS REQUIRED)
- BUILT-IN MECHANICAL FILTER (STRAINER)
- LOW PRESSURE DROPS DURING OPERATION.
- CERTIFIED ACCORDING PED CAT.II BY TUV RHEINLAND

GENERAL SPECIFICATIONS

- Applicable for all common HCFC and HFC refrigerants such as: R22, R134a, R404A, R410A, R507A, R448A, R449A, R450A, R452A, R513A, R32, R1234ze(E), R1233zd(E), R454A/B/C, R455A, R290, R1270, R600a
- Medium temperature TS min./max.: -40°C / +150°C
- Max. operating pressure PS: 4,9 MPa (49 bar)
- Installation position:
 - Flow direction corresponds to the arrow
 - CCV can be installed in any position and direction in the system
- Declaration according to PED



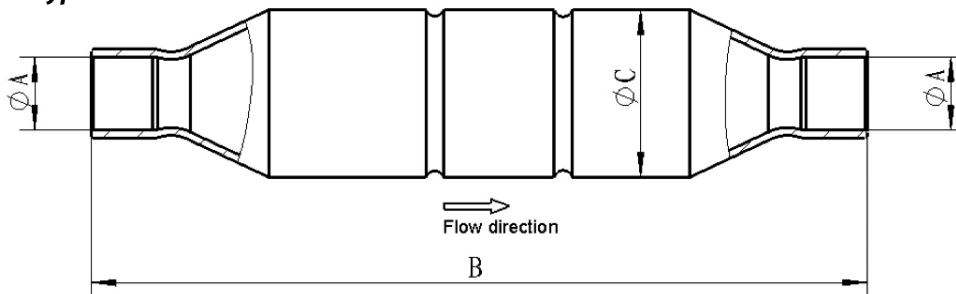
GENERAL CHARACTERISTICS

Model	Part Number	Connections Ø d ODF		Kv	Min. OPD	Dimensions		Weight	Layout / Drawing ⁽¹⁾	PED Category [Fluid Group 1]	PED Category [Fluid Group 2]
		[inch]	[mm]			Ø c	B				
		[mm]	[mm]	[m³/h]	[bar]	[mm]	[mm]	[kg]	[-]		
CCV2H05	10163002302	1/4	-	0,8	0,1	21,8	101,6	0,069	A	Art. 4.3	Art. 4.3
CCV3H06	10163002402	3/8	-	1,2	0,1	21,8	101,6	0,070	A	Art. 4.3	Art. 4.3
CCV4H05	10163002502	1/2	-	2,7	0,1	28,0	127,0	0,124	A	Cat.II	Art. 4.3
CCV5H06	10163002602	5/8	16	2,9	0,1	28,0	127,0	0,130	A	Cat.II	Art. 4.3
CCV6H05	10163002702	3/4	-	2,9	0,1	28,0	127,0	0,134	A	Cat.II	Cat.I
CCV7H01	10163001302	7/8	22	6,5	0,1	35,5	178,0	0,177	B	Cat.II	Cat.I
CCV9H01	10163000502	1 1/8	-	11,4	0,1	45,0	212,0	0,306	B	Cat.II	Cat.I
CCV11H01	10163001202	1 3/8	35	16,2	0,1	56,0	239,0	0,504	B	Cat.II	Cat.I
CCV13H01	10163002902	1 5/8	-	24,0	0,1	63,0	250,0	0,627	B	Cat.II	Cat.I
CCV17H01	10163003002	2 1/8	54	42,8	0,1	78,0	300,0	1,183	B	Cat.II	Cat.I

Note: 1. Drawing "A" is referred to CCV-H models with copper valve bodies.
Drawing "B" is referred to CCV-H models with stainless-steel valve bodies.

DIMENSIONAL DRAWING

"A": CCV-H Copper type



"B": CCV-H Stainless-Steel type

