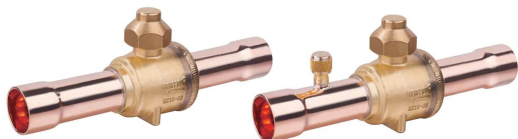


Model HBC Ball Valve



Product Description

- Model HBC ball valve is a manually regulated shut-off valve, which is applicable to two-direction flow.
- Model HBC ball valve is used on the liquid, air suction and hot vapor piping of the freezer, could store and air conditioning unit.
- The valve seat of Model HBC ball valve is well sealed with perfect sealing

- performance.
- Model HBC ball valve is a through-type ball valve with maximum flow rate and wide scope of operating temperature.
- Model HBC ball valve is equipped with a secondary sealing cap.

Features

- No pressure drop in flow.
- Only turn 1/4 circle to make valve full open or full close.
- Turning stop for full open or full close.
- Full Open and Full Close mark on top of valve stem.
- Two-direction flow is available.
- Argon arc welded structure.
- Explosion-proof valve stem design.
- Modified PTFE sealing.
- Inside liquid accumulation is avoided.
- Could be mounted on the control panel.

Technical Parameters

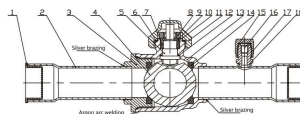
Applicable Refrigerant:	HFC or HFO(customer choice)
Applicable Medium Temperature:	-40~+120°C
MAX. Working Pressure	4.5MPa
MAX. Compression Pressure	6.5MPa
Yearly Leakage of Refrigerant	≤2g R22/a

- Two types of Model HBC ball valve are available: one is equipped with the charging and inspection port; the other is not equipped with the charging and inspection port.

Model Selection

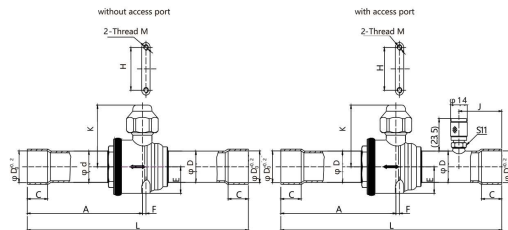
Model	Size	OD(mm)	Kv(m ³ /h)	Model	Size	OD(mm)	Kv(m ³ /h)
HBC-65	1/4(Φ6)	Φ10	2	HBC-28	1-1/8(Φ28)	Φ25	52.5
HBC-105	3/8(Φ10)	Φ10	5.7	HBC-35	1-3/8(Φ35)	Φ31	80
HBC-125	1/2(Φ12)	Φ10	5.7	HBC-42	1-5/8(Φ42)	Φ37	121
HBC-10	3/8(Φ10)	Φ14	5.7	HBC-54	2-1/8(Φ54)	Φ50	200
HBC-12	1/2(Φ12)	Φ14	10.6	HBC-67	2-5/8(Φ67)	Φ50	200
HBC-16	5/8(Φ16)	Φ14	14.1	HBC-79	3-1/8(Φ79)	Φ50	200
HBC-19	3/4(Φ19)	Φ16	20.4	HBC-67A	2-5/8(Φ67)	Φ60.5	310
HBC-22	7/8(Φ22)	Φ19	28.2	HBC-79A	3-1/8(Φ79)	Φ73	700

Structure



- dust cap
- copper tube
- valve bonnet
- valve ball
- valve stem
- cap gasket
- packing ring
- locknut
- lock
- clamping ring
- valve cap
- sealing washer
- valve body
- seal gasket
- sealing ring
- valve core
- charging cap
- charging valve

Overall Dimension



Model	A	C	D	d	E	F	K	M	J	H	L
HBC-65	57	6	6.5	10	14	0	32.5	M4	20	44	110
HBC-105	65	8	10.1	10	14	0	32.5	M4	26	44	126
HBC-125	67	10	12.8	12	14	0	32.5	M4	26	44	130
HBC-10	73	9	10.1	16	14.5	2	38	M4	30	50	138
HBC-12	83	10	12.8	16	14.5	2	38	M4	30	50	159
HBC-16	83	12	16.1	16	14.5	2	38	M4	30	50	159
HBC-19	97	14	19.1	19	16.5	3	42	M4	36	58	185
HBC-22	96	17	22.3	22	19	3	43	M4	36	58	185
HBC-28	108	20	28.7	28	24	4	52.5	M4	44	66	208
HBC-35	130	25	35.2	35	30	5	64	M6	44	80	251
HBC-42	145	29	41.5	41.3	35	6	74	M6	56	87	281
HBC-54	157	35	54.2	54	45.5	9	83.5	M6	56	106	305
HBC-67	157	37	67	54	45.5	9	83.5	M6	63	106	305
HBC-79	157	40	79.6	54	45.5	9	83.5	M6	63	106	305
HBC-67A	171	37	67	66.8	54	16	94	M6	72	117	343
HBC-79A	207	37	79.6	79.4	64	16	104	M6	80	117	413