

## EMERSON CLIMATE TECHNOLOGIES-Shut Off Valves ACK Check Valves

The ACK check valve is a normally closed magnetic check valve that prevents reverse refrigerant flow in liquid lines and compressor discharge lines.



### Features

- Copper Connection Sizes 1/4" through 2-5/8"
- Hermetic Spun Copper Design
- Near Zero Internal Leak Rate
- Magnetic Checking Action
- Built-In 30 Mesh Stainless Steel Strainer
- Can Be Installed In Any Position

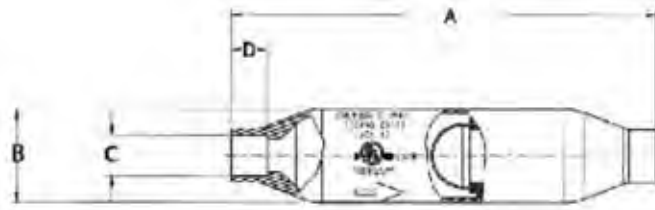
### Specifications

- UL/CUL File number: SA 5312

**Nomenclature** example: ACK-4

<b>ACK</b>	<b>4</b>
Check Valve Series	Copper ODF Connection Size (in 1/16")

### Dimensional Data



### Ordering Information and Dimensional Data (in)

PCN	Connection Size	A	B	C	D	Opening Pressure (oz/sq in)	Opening Pressure (psig)	MWP (psig)	Leak Rate CIM @ 60 psi	Nominal Tons R-22 Suction 40°F @ 1 psi	Nominal Tons R-22 Liquid 40°F @ 1 psi	Cv	Description
064985	1/4 ODF	4.00	0.88	0.254 ± 0.002	0.19	1.20	0.08	800	0.015	0.40	2.60	0.9	ACK-4
064986	3/8 ODF	4.00	0.88	0.379 ± 0.002	0.40	1.30	0.08	800	0.015	0.60	3.10	1.0	ACK-6
064987	1/2 ODF	5.00	1.13	0.504 ± 0.002	0.31	3.50	0.22	680	0.034	1.20	9.40	3.1	ACK-8
064988	5/8 ODF	5.00	1.13	0.629 ± 0.002	0.50	3.50	0.22	680	0.034	1.40	13	3.6	ACK-10
064989	3/4 ODF	7.00	1.63	0.754 ± 0.002	0.63	3.80	0.24	680	0.074	3.30	27	8.0	ACK-12
064990	7/8 ODF	7.00	1.63	0.879 ± 0.003	0.42	3.80	0.24	680	0.074	3.70	29	9.2	ACK-14
064991	1-1/8 ODF	8.38	2.13	1.130 ± 0.003	0.94	6.80	0.43	680	0.122	6	51	15.4	ACK-18
064992	1-3/8 ODF	9.38	2.63	1.380 ± 0.003	1.04	10.20	0.64	680	0.172	9.50	79	23.8	ACK-22
064993	1-5/8 ODF	10.50	3.13	1.630 ± 0.003	1.07	11.40	0.71	680	0.272	17	102	24.2	ACK-26
064994	2-1/8 ODF	12.00	3.63	2.130 ± 0.003	1.34	18.10	1.13	680	0.386	30	213	38.7	ACK-34
064995	2-5/8 ODF	13.00	4.13	2.630 ± 0.003	1.50	23.00	1.44	680	0.512	50	375	71.7	ACK-42

### Cross Reference (Identical Lay-In)

Emerson	A-1 Components	Superior
ACK-4	MS-4	900M-4S
ACK-6	MS-6	900M-6S
ACK-8	MS-8	900M-8S
ACK-10	MS-10	900M-10S
ACK-12	MS-12	900M-12S
ACK-14	MS-14	900M-14S
ACK-18	MS-18	N/A
ACK-22	MS-22	N/A
ACK-26	MS-26	N/A
ACK-34	MS-34	N/A
ACK-42	MS-42	N/A