

Emerson™ ACK check valve

For all commercial AC and refrigeration applications



Product overview

- Magnetic checking action
- Hermetic construction
- 1/4" through 2-5/8" connections
- Built-in 30 mesh stainless steel strainer
- UL/CUL Approved (File # SA 5312)
- Can be installed in any position
- Installs with hard or soft solder
- Drop-in dimensions for competitive models

Applications

- Compressor discharge lines
 - Prevents flow from condenser to compressor during off-cycle
 - Prevents flow from operating compressor to idled compressor
- Liquid lines
 - Prevents reverse flow through unused metering device on heat pump
 - Prevents backup in low pressure line of recirculating system during defrost



Feature	Function	Benefit
Hermetic design	Provides a permanent seal	Will not leak
100% copper construction	Improves system connection	Easier brazability
Identical lay-in to competition	Simplifies system installation	Interchangeability
30 mesh stainless steel inlet screen	Captures system debris	Seat surface protection
Magnetic actuation	Closes valve securely	Operational in any position

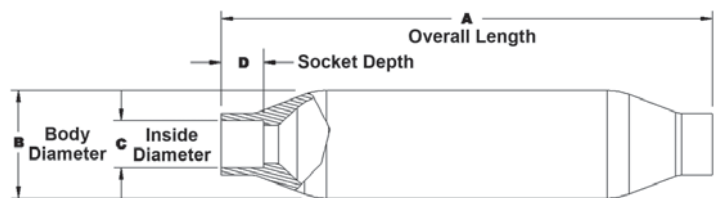
Ordering information

PCN	Description	Connection Size	A (in.)	B (in.)	C (in.)	D (in.)	Opening Pressure (oz./sq. in.)	MWP (psig)	Nominal Tons R-22 Suction 40°F @ 1 psi	Nominal Tons R-22 Liquid 40°F @ 1 psi
064985	ACK-4	1/4 ODF	4	7/8	.254 ± .002	0.19	1.2	800	0.4	2.6
064986	ACK-6	3/8 ODF	4	7/8	.379 ± .002	0.40	1.3	800	0.6	3.1
064987	ACK-8	1/2 ODF	5	1-1/8	.504 ± .002	0.31	3.5	680	1.2	9.4
064988	ACK-10	5/8 ODF	5	1-1/8	.629 ± .002	0.50	3.5	680	1.4	13
064989	ACK-12	3/4 ODF	7	1-5/8	.754 ± .002	0.63	3.8	680	3.3	27
064990	ACK-14	7/8 ODF	7	1-5/8	.879 ± .003	0.75	3.8	680	3.7	29
064991	ACK-18	1-1/8 ODF	8-3/8	2-1/8	1.130 ± .003	0.94	6.8	680	6.0	51
064992	ACK-22	1-3/8 ODF	9-3/8	2-5/8	1.380 ± .003	1.04	10.2	680	9.5	79
064993	ACK-26	1-5/8 ODF	10-1/2	3-1/8	1.630 ± .003	1.07	11.4	680	17.0	102
064994	ACK-34	2-1/8 ODF	12	3-5/8	2.130 ± .003	1.34	18.1	680	30.0	213
064995	ACK-42	2-5/8 ODF	13	4-1/8	2.630 ± .003	1.50	23.0	680	50.0	375

Nomenclature

A	CK	4
Series	Check valve	Copper ODF connection size

Dimensional drawing



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