

ACP AUTOMATIC VALVES

ACP valves are designed for small units where heat load is reasonably constant. ACP's are ideal for room air conditioners, refrigerators, drink dispensers, coolers, freezers and ice makers.



ACP 4-07

FEATURES

- Friction-free floating design
- Hermetic, leak-free construction
- Can be used as a small capacity hot gas bypass valve
- Mass spectrometer tested to ensure less than 0.10 oz/year external leakage rate
- Fully adjustable from 0-80 psig (factory setting 40 psig)
- Available with internal or external equalizer
- SAE or ODF connections available

SPECIFICATIONS

Maximum Working Pressure..... 500 psig (35 bar)
 Maximum Working Temperature..... 300°F (149°C)
 UR/CUR File Number SA5312
 Canadian CRN 0C21506.513467890YTN

MODEL NUMBER NOMENCLATURE - Example: ACPE 4-02

SERIES	EQUALIZER	PORT DIAMETER	SEQUENTIAL IDENTIFIER	CUSTOMER SPECIAL	PACK TYPE
ACP	E	4	-01	G	
Valve Series	E = External (Omit for Internal)	1 = 0.05" 2 = 0.06" 3 = 0.1" 4 = 0.11" 5 = 0.13" 6 = 0.14" 7 = 0.17" 8 = 0.2" 9 = 0.23"	-01 Thru -99	G = Customer Special (Omit for Standard)	B1 = Bulk Pack (Omit for Individual Pack)

NOMINAL CAPACITY TABLES FOR INTERCHANGEABLE REFRIGERANTS IN TONS (kW)

VALVE	PORT DIAMETER (IN)	R-12/R-134a	R-407C/R-22	R-502/R-404A/R-507
		PRESSURE DROP ACROSS VALVE – PSI		
		60	100	100
ACP(E)1	0.05	0.31	0.44	0.29
ACP(E)2	0.06	0.41	0.57	0.38
ACP(E)3	0.10	0.65	0.91	0.61
ACP(E)4	0.11	0.90	1.30	0.87
ACP(E)5	0.13	1.40	1.96	1.31
ACP(E)6	0.14	1.90	2.67	1.78
ACP(E)7	0.17	2.30	3.28	2.19
ACP(E)8	0.20	2.70	3.75	2.50
ACP(E)9	0.23	3.80	5.32	3.55

All capacities shown are at 100°F condensing, 40°F evaporator temperature.
 See Extended Capacity Tables for ratings at a wide range of conditions per AHRI standard 750.

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ACP TYPE	EQUALIZER	EQUALIZER TYPE	PORT REFERENCE	BODY STYLE	INLET X OUTLET CONNECTION	MODEL NUMBER	ITEM NUMBER
ACP	Internal	—	1	Straight Thru	1/4" X 3/8" ODF	ACP 1-12	057233
ACP	Internal	—	1	Angle	1/4" X 3/8" ODF	ACP 1-13	047680
ACP	Internal	—	1	Angle	1/4" X 3/8-1/2" SAE	ACP 1-14	046838
ACP	Internal	—	1	Angle	1/4" X 3/8" SAE	ACP 1-15	056240
ACPE	External	1/4" SAE	1	Straight Thru	1/4" X 3/8" SAE	ACPE 1-03	047280
ACP	Internal	—	2	Angle	1/4" X 3/8" SAE	ACP 2-14	046839
ACP	Internal	—	2	Angle	1/4" X 3/8" ODF	ACP 2-15	047651
ACP	Internal	—	3	Angle	1/4" X 3/8" SAE	ACP 3-12	046840
ACP	Internal	—	3	Angle	1/4" X 3/8" ODF	ACP 3-13	047283
ACP	Internal	—	4	Angle	1/4" X 3/8" SAE	ACP 4-06	047101
ACP	Internal	—	4	Angle	1/4" X 3/8" ODF	ACP 4-07	047105
ACPE	External	1/4" SAE	4	Angle	1/4" X 3/8" ODF	ACPE 4-02	053231
ACP	Internal	—	5	Angle	1/4" X 3/8" SAE	ACP 5-11	047332
ACP	Internal	—	5	Angle	1/4" X 3/8" ODF	ACP 5-12	047284
ACP	Internal	—	5	Angle	3/8" X 3/8" ODF	ACP 5-13	053374
ACP	Internal	—	5	Angle	3/8" X 3/8-1/2" SAE	ACP 5-14	049204
ACP	Internal	—	6	Angle	1/4" X 3/8" SAE	ACP 6-05	047653
ACP	Internal	—	6	Angle	1/4" X 3/8" ODF	ACP 6-06	047652
ACP	Internal	—	6	Angle	3/8" X 3/8" ODF	ACP 6-07	065922
ACP	Internal	—	7	Angle	3/8" X 1/2" ODF	ACP 7-09	047654
ACP	Internal	—	7	Angle	3/8" X 3/8-1/2" SAE	ACP 7-10	047285
ACPE	External	1/4" SAE	7	Angle	3/8" X 1/2" ODF	ACPE 7-02	047790
ACP	Internal	—	8	Angle	3/8" X 1/2" ODF	ACP 8-06	047655
ACP	Internal	—	9	Angle	1/2" X 5/8" ODF	ACP 9-11	057771
ACP	Internal	—	9	Angle	3/8" X 1/2" ODF	ACP 9-12	047657
ACP	Internal	—	9	Straight Thru	3/8" X 3/8" SAE	ACP 9-13	057327
ACP	Internal	—	9	Angle	3/8" X 3/8" ODF	ACP 9-14	057209
ACP	Internal	—	9	Angle	3/8" X 3/8-1/2" SAE	ACP 9-15	047658
ACP	Internal	—	9	Angle	1/4" X 3/8" ODF	ACP 9-16	052773
ACPE	External	1/4" SAE	9	Straight Thru	1/2" X 5/8" ODF	ACPE 9-09	058674
ACPE	External	1/4" ODF	9	Angle	3/8" X 1/2" ODF	ACPE 9-10	057017
ACPE	External	1/4" SAE	9	Straight Thru	3/8" X 1/2" ODF	ACPE 9-11	048657