

EMERSON CLIMATE TECHNOLOGIES-System Protectors A-AS Suction Accumulators

The A-AS protects the compressor from liquid slugging and is used with CFC, HCFC, and HFC refrigerants. It is available for systems through 28 tons nominal capacity.

Features

- Designed to operate in a range of +40°F to -40°F evaporator temperature
- Fusible plug on larger diameter units
- Solid copper connections
- Corrosion resistant epoxy powder paint finish
- Inlet deflector directs refrigerant flow to prevent internal splashing and aid in the collection of refrigerant oil



Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Tools &
Instruments
& Commodities

Refrigeration

Refrigeration

Nomenclature example: A-AS 3 125

| A | AS | 3 | 12 | 5 |
|--------|---------------------|---------------|-------------|----------------------|
| Series | Accumulator Suction | Diameter (in) | Height (in) | Fitting Size in 1/8" |

Specifications

- Maximum working pressure: 300 psig
- Fusible plug temperature: 430°F
- UL/CUL file number: SA 10225

Ordering Information and Dimensional Data (in)

| PCN | A Fitting Size (nominal) | B Diameter | C Height | D Fitting Separation | Weight (lbs) | Tons R-22 (+40°F) | Holding Capacity (lbs) 50% Full | | Description |
|--------|--------------------------|------------|----------|----------------------|--------------|-------------------|---------------------------------|--------------------------|-------------|
| | | | | | | | 40°F Liquid R-22/R-134a | 40°F Liquid R-404A/R-507 | |
| 060819 | 1/2 | 3.00 | 8.00 | 1.63 | 2.00 | 2.00 | 1.50 | 1.50 | A-AS 3 84* |
| 060963 | 5/8 | 3.00 | 10.00 | 1.63 | 2.40 | 3.00 | 2.00 | 2.00 | A-AS 3 105* |
| 060812 | 5/8 | 3.00 | 12.00 | 1.63 | 2.90 | 3.00 | 3.00 | 2.50 | A-AS 3 125* |
| 060813 | 3/4 | 3.00 | 12.00 | 1.63 | 2.90 | 4.00 | 3.00 | 2.50 | A-AS 3 126* |
| 060964 | 5/8 | 3.00 | 15.00 | 1.63 | 3.30 | 3.00 | 3.50 | 3.00 | A-AS 3 145* |
| 060965 | 3/4 | 3.00 | 14.00 | 1.63 | 3.30 | 4.00 | 3.50 | 2.75 | A-AS 3 146* |
| 060967 | 1/2 | 4.00 | 6.00 | 2.50 | 2.80 | 2.00 | 2.50 | 2.00 | A-AS 4 64 |
| 060821 | 5/8 | 4.00 | 6.00 | 2.50 | 2.80 | 3.00 | 2.50 | 2.00 | A-AS 4 65 |
| 060966 | 5/8 | 4.00 | 10.00 | 2.50 | 4.60 | 3.00 | 4.00 | 3.50 | A-AS 4 105 |
| 060820 | 3/4 | 4.00 | 10.00 | 2.50 | 4.60 | 4.00 | 4.00 | 3.50 | A-AS 4 106 |
| 060824 | 3/4 | 5.00 | 9.00 | 2.75 | 5.10 | 4.00 | 6.00 | 5.50 | A-AS 5 96 |
| 060818 | 7/8 | 5.00 | 9.00 | 2.75 | 5.10 | 7.30 | 6.00 | 5.50 | A-AS 5 97 |
| 060822 | 3/4 | 5.00 | 12.00 | 2.75 | 6.60 | 4.00 | 8.00 | 7.50 | A-AS 5 126 |
| 060823 | 7/8 | 5.00 | 12.00 | 2.75 | 6.60 | 7.30 | 8.00 | 7.50 | A-AS 5 127 |
| 060814 | 7/8 | 5.00 | 13.00 | 2.75 | 7.10 | 7.30 | 8.50 | 8.00 | A-AS 5 137 |
| 060815 | 1-1/8 | 5.00 | 13.00 | 2.75 | 7.10 | 11.80 | 8.50 | 8.00 | A-AS 5 139 |
| 060817 | 1-1/8 | 5.00 | 17.00 | 2.75 | 8.40 | 11.80 | 12.00 | 10.00 | A-AS 5 179 |
| 060816 | 1-3/8 | 5.00 | 17.00 | 2.75 | 8.40 | 18.80 | 12.00 | 10.00 | A-AS 5 1711 |
| 060825 | 7/8 | 6.00 | 11.00 | 2.94 | 10.00 | 7.30 | 10.00 | 9.00 | A-AS 6 117 |
| 060826 | 7/8 | 6.00 | 13.00 | 2.94 | 11.70 | 7.30 | 12.84 | 11.49 | A-AS 6 137 |
| 060968 | 1-1/8 | 6.00 | 13.00 | 2.94 | 11.70 | 11.80 | 12.84 | 11.49 | A-AS 6 139 |
| 060827 | 1-3/8 | 6.00 | 14.00 | 2.94 | 12.10 | 18.80 | 14.05 | 12.57 | A-AS 6 1411 |
| 060969 | 1-5/8 | 6.00 | 17.00 | 2.94 | 15.40 | 28.50 | 17.32 | 15.49 | A-AS 6 1713 |
| 060828 | 1-5/8 | 6.00 | 20.00 | 2.94 | 18.10 | 28.50 | 20.62 | 18.44 | A-AS 6 2013 |
| 060970 | 1-5/8 | 6.00 | 25.00 | 2.94 | 22.60 | 28.50 | 25.81 | 23.08 | A-AS 6 2513 |

*Not supplied with a fusible plug

Dimensional Data

