

Our trusted product range

Solenoid Valve



- Wide Product Range, from 1.27 to 34.9 Tons Nominal R22 Capacity
- One Coil Fits All, For Given Voltage Range

Suction Accumulator



- Wide Product Range, from 0.4 to 28.5 Ton Nominal R22 Capacity
- Designed For: -40°F To $+40^{\circ}\text{F}$ Evaporating Temperature

Oil Separator



- Available In Impingement And Centrifugal Type
- Wide Product Range, from 1.5 to 127 Ton Nominal R22 Capacity

Ball Valve



- Available from 1/4 to 3-1/8" Connection
- Access port option available

Check Valve



- Near Zero Internal Leak, Magnetic Checking Action
- Available from 1/4" to 2-5/8" Connection

Regulator



- Wide Range Of Hot Gas Bypass, Inlet & Outlet Pressure Regulator, Head Pressure Controls Available.

Our trusted product range

A Series Expansion Valve



- Hermetic Construction
- Compact Size
- Approved For R410a Also
- Capacity 1/5 to 8 Tons

T Series Expansion Valve



- Take Apart Construction
- Capacity: 1/2 to 100 Tons

EK Filter Drier



- Compacted Bead Type Filter-Drier
- 20 Micron Final Filtration
- Approved For R410a Also
- Capacity : 1/2 to 30 Tons

Drier Block



- Universal Replacement
- Blocks For High Acid Removal, Water Removal
- Burnout Clean Up In 42, 48 And 100 Cu. Inch Sizes

HMI Moisture Indicator



- Unique 3% R.H. Indication
- Patented Wafer Dial, Large Viewing Lense.
- Approved For R410a Also
- Connection sizes 1/4" to 2 5/8"

Pressure Control



- Adjustable Pressure Range.
- Convertible Reset Options Available

Selection Tables

Airconditioning (with Aircooled Condenser)

Refrigerant R22

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Filter Drier	Moisture Indicator
3	CR42K6	AAE 2-1/2 HC	EK/UDK 084	HMI-1TT4
4	KCG562	AAE 3 HC	EK/UDK 084	HMI-1TT4
5	KCG572	AAE 4 HC	EK/UDK 084	HMI-1TT4
6	ZR90K3	AAE 5 HC	EK/UDK 165	HMI-1TT5
7.5	ZR108KC	AAE 8 HC	EK/UDK 165	HMI-1TT5
10	ZR144KC	AAE 8 HC	EK/UDK 305	HMI-1TT5

Other Controls : HP-LP Combination Cutout model PS2-M7A

Application condition: 7.2°C Evaporating / 54.5°C Condensing Temperature

Water Chiller (With Aircooled Condenser)

Water Temperature : 7-10 ° C.

Refrigerant R22

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid Valve	Filter Drier	Moisture Indicator	Suction Accumulator
3	KCG554	AAE2-1/2HC	200RB2	EK/UDK 084	HMI-1TT4	A-AS3126
4	KCG572	AAE3HC	200RB3	EK/UDK 084	HMI-1TT4	A-AS3126
5	ZR84KC	AAE4HC	200RB3	EK/UDK 164	HMI-1TT4	A-AS597
7.5	ZR125KC	AAE8HC	200RB5	EK/UDK 165	HMI-1TT5	A-AS597
10	ZR160KC	AAE8HC	200RB6	EK/UDK 305	HMI-1TT5	A-AS5139

Refrigerant R134a

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid Valve	Filter Drier	Moisture Indicator	Suction Accumulator
3	ZR72KCE	AAE2-1/2	200RB2	EK/UDK 084	HMI-1TT4	A-AS597
4	ZR108KCE	AAE3MC	200RB3	EK/UDK 084	HMI-1TT4	A-AS5139
5	ZR12M3E	AAE4MC	200RB3	EK/UDK 164	HMI-1TT4	A-AS5139
7.5	ZR19M3E	HFES6MC TCLE5-1/2MC	200RB5	EK/UDK 165	HMI-1TT5	A-AS51711
10	ZR250KCE	HFES7-1/2MC TCLE 7-1/2MC	200RB6	EK/UDK 305	HMI-1TT5	A-AS61411

- Application condition: 3°C Evaporating / 54.5°C Condensing Temperature
- Suction Accumulator selection may vary depending upon system charge & other application conditions. Please refer Flow Controls' catalogue Or contact ECTIL for queries, if any.

Water Temperature : 7 - 10 ° C (With Watercooled Condenser)
Refrigerant R22

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid Valve	Filter Drier	Moisture Indicator	Suction Accumulator
3	CR42K6	AAE2HC	200RB2	EK/UDK 084	HMI-1TT4	A-AS3126
4	KCG-562 / ZR61KC	AAE2-1/2HC	200RB3	EK/UDK 084	HMI-1TT4	A-AS3126
5	ZR81KC	AAE3HC	200RB3	EK/UDK 164	HMI-1TT4	A-AS597
7.5	ZR12M3	TCLE 7-1/2 HC	200RB5	EK/UDK 165	HMI-1TT5	A-AS597
10	ZR16M3	AAE8HC	200RB6	EK/UDK 305	HMI-1TT5	A-AS5139

Refrigerant R134a

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid Valve	Filter Drier	Moisture Indicator	Suction Accumulator
3	ZR68KCE	AAE2-1/2MC	200RB2	EK/UDK 084	HMI-1TT4	A-AS597
4	ZR90KCE	AAE3MC	200RB3	EK/UDK 084	HMI-1TT4	A-AS5139
5	ZR108KCE	AAE4MC	200RB3	EK/UDK 164	HMI-1TT4	A-AS5139
7.5	ZR19M3E	TCLE5-1/2MC HFES6MC	200RB5	EK/UDK 165	HMI-1TT5	A-AS51711
10	ZR250KCE	TCLE7-1/2MC HFES7-1/2MC	200RB6	EK/UDK 305	HMI-1TT5	A-AS61713

- Other Controls : HP-LP Combination Cutout model PS2-M7A
- Application condition: 3° C Evaporating / 43° C Condensing Temperature
- Suction Accumulator selection may vary depending upon system charge & other application conditions. Please refer Flow Controls' catalogue Or contact ECTIL for queries, if any

Cold Room (with Air cooled condenser)

Storage Temperature : 4 ° C

Refrigerant R22

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid	Filter Drier	Moisture Indicator	Suction Accumulator
1	ZB19KCE	AAE1HC	100RB2	EK/UDK 083	HMI-1TT3	A-AS464
2	ZB26KCE	AAE1-1/2HC	200RB2	EK/UDK 083	HMI-1TT3	A-AS465
3	ZB38KCE	AAE2 1/2HC	200RB2	EK/UDK 084	HMI-1TT4	A-AS4106
4	ZB56KCE	AAE3HC	200RB3	EK/UDK 084	HMI-1TT4	A-AS597
5	ZR108/ZB75KCE	AAE4HC	200RB3	EK/UDK 164	HMI-1TT4	A-AS597

Nomenclature

A-AS SUCTION ACCUMULATORS

Example A-AS 3 125

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

EK EXTRA-KLEAN LIQUID LINE FILTER-DRIER

Example - EK-083S

EK	08	3	S
Drier Series	Unit Size (in cu. in.)	Connection Size (in 1/8")	S = ODF connections (omit for SAE)

Nomenclature for UDK Filter Drier is similar to that of EK Filter Drier.

HMI - HERMETIC MOISTURE INDICATOR

Example: HMI 1TT4

HMI	1	TT	4
Hermetic Moisture Indicator	Series	Connection Style TT - Sweat x Sweat	Connection Size (in 1/8")

For Expansion Valve and Solenoid Valve nomenclature, please refer to Flow Controls catalogue

Refrigerant R404A

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid Valve	Filter Drier	Moisture Indicator	Suction Accumulator
1	KCM511-CAL	AAE1SC	100RB2	EK/UDK 083	HMI-1TT3	A-AS384
2	KCM522	AAE1-1/4SC	200RB2	EK/UDK 083	HMI-1TT3	A-AS3146
3	ZB38KCE	AAE2-1/2SC	200RB3	EK/UDK164	HMI-1TT4	A-AS597
4	ZB50KCE	AAE3-1/2SC	200RB4	EK/UDK 304	HMI-1TT4	A-AS597
5	ZB56KCE	AAE3-1/2SC	200RB5	EK/UDK 414	HMI-1TT4	A-AS5139

- Other Controls : HP-LP Combination Cutout model PS2-M7A
- Application condition: -2°C Evaporating / 54.5°C Condensing Temperature
- Suction Accumulator selection may vary depending upon system charge & other application conditions. Please refer Flow Controls' catalogue or contact ECTIL for queries, if any.

Cold Room (Air cooled condenser)

Storage Temperature: -20°C

Refrigerant R22

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid	Filter Drier	Moisture Indicator	Suction Accumulator
1	LA40-0300 / ZF13K4	AAE1-1/2HZ	100RB2	EK/UDK 083	HMI-1TT3	A-AS465
2	3SC1-1000 / ZF33K4E	AAE2HZ	200RB2	EK/UDK 083	HMI-1TT3	A-AS597
3	3SS1-1500 / ZF48K4	AAE2-1/2HZ	200RB3	EK/UDK 084	HMI-1TT4	A-AS5139
4	4SLW-1500	AAE5HZ	200RB3	EK/UDK 084	HMI-1TT4	A-AS5139
5	6SLW-2500	AAE5HZ	200RB4	EK/UDK 164	HMI-1TT4	A-AS51711

Refrigerant R404A

System Capacity (Tons)	Compressor Model	Thermostatic Expansion Valve	Liquid Line Solenoid	Filter Drier	Moisture Indicator	Suction Accumulator
1	LA40-030E	AAE1-1/4SZ	200RB2	EK/UDK 083	HMI-1TT3	A-AS5137
2	ZF24K4E / 3SC1-100E	AAE2-1/4SZ	200RB3	EK/UDK 083	HMI-1TT3	A-AS5139
3	ZF33K4E / 3SS1-150E	AAE3-1/2SZ	200RB3	EK/UDK164	HMI-1TT4	A-AS5139
4	4SLW150E	HFES5SZ	200RB5	EK/UDK 304	HMI-1TT4	A-AS51711
5	6SLW250E	HFES5SZ	200RB6	EK/UDK 414	HMI-1TT4	A-AS61411

- Other Controls : HP-LP Combination Cutout model PS2-M7A
- Application condition: -26°C Evaporating / 54.5°C Condensing Temperature
- Suction Accumulator selection may vary depending upon system charge & other application conditions. Please refer Flow Controls' catalogue or contact ECTIL for queries, if any.

Note :

- Nearest compressor model selected under these conditions
- For any other capacity or any other product please contact ECTIL
- Component selection is preliminary, and may need some fine tuning to balance the system