PRODUCT MANUAL

Solenoid Valve EVR Series

Model: EVR3 – EVR40



CATEGORY
Refrigeration Valves

MODEL
EVR3 – EVR40

ISSUE DATE
2026-11-22

1. Product Overview

Feature DC24V. DC12V, AC110V, AC220V and Ac380v (8w coils are available if you need 20W coil,please inform us of that when placing order Refrigerant:R12,R22;R134a,R404,R407C,R410,R502 Media Temperature:-40! ~ +110! …

The EVR series is the wider solenoid valve range, from EVR3 at the small end to EVR40(S) at the top, covering 2.2 kW to 503 kW on R404A and R22. That takes one valve family from small condensing units up to industrial pump-circulation circuits and large cold stores.

Flare versions (EVR3, EVR6, EVR10, EVR15) cover 1/4 inch to 5/8 inch; solder versions run from 1/4 inch to 2-1/8 inch, so the range fits both split-system tube and plant-room pipework. Coils are available for DC12V, DC24V, AC110V, AC220V and AC380V, and the electrical part is separate from the body, which means a coil can be replaced without opening the refrigerant circuit.

The valve is rated for -40 C to +110 C media temperature, 40 bar working pressure and 100,000 cycles, and is compatible with R12, R22, R134a, R404A, R407C, R410A and R502 - the same specification as the C series, so the two ranges can be mixed on one system.

Because capacity is published per size and per refrigerant, selection has to start from the required capacity at the working pressure difference, not from the pipe diameter. On pump-down circuits the valve must also close against the pump-down pressure, and on hot gas lines the available differential is small, which usually pushes the selection one or two sizes up.

Installation: coil uppermost, flow arrow respected, strainer upstream, and on the larger sizes support the body independently of the pipework so vibration does not load the solder joints.

2. Key Features

- Direct-acting solenoid valve for refrigeration and air-conditioning lines
- Flare version from 1/4" to 5/8", solder version up to 2-1/8"
- Wide refrigerant compatibility including R410A and R407C
- 100,000 cycle service life with 40 bar maximum working pressure

3. Technical Specifications

Item	Specification
Model range	EVR3, EVR6, EVR10, EVR15 (flare); EVR3(S) – EVR40(S) (solder)
Coil voltage	DC12V / DC24V / AC110V / AC220V / AC380V
Refrigerant	R12, R22, R134a, R404, R407C, R410A, R502
Media temperature	-40 °C ~ +110 °C
Max. working pressure	40 bar
Service life	100,000 cycles

Item	Specification
Connection	Flare 1/4" – 5/8"; solder 1/4" – 2-1/8"
Nominal capacity	2.2 – 503 kW (R404A / R22)

4. Commercial Terms

MINIMUM ORDER
Negotiable

LEAD TIME
Negotiable

SHIPPING PORT
Shanghai / Ningbo, China

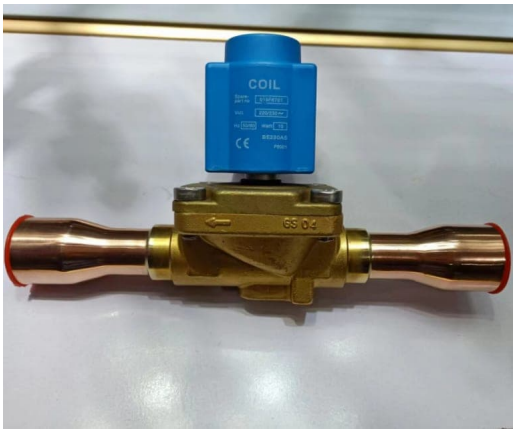
PLACE OF ORIGIN
China

PAYMENT TERMS
T/T, L/C

SUPPLY ABILITY
Negotiable

5. Product Gallery









Contact us for a free quotation

Our engineering team replies within 24 hours with selection advice and an FOB / CIF quotation.



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