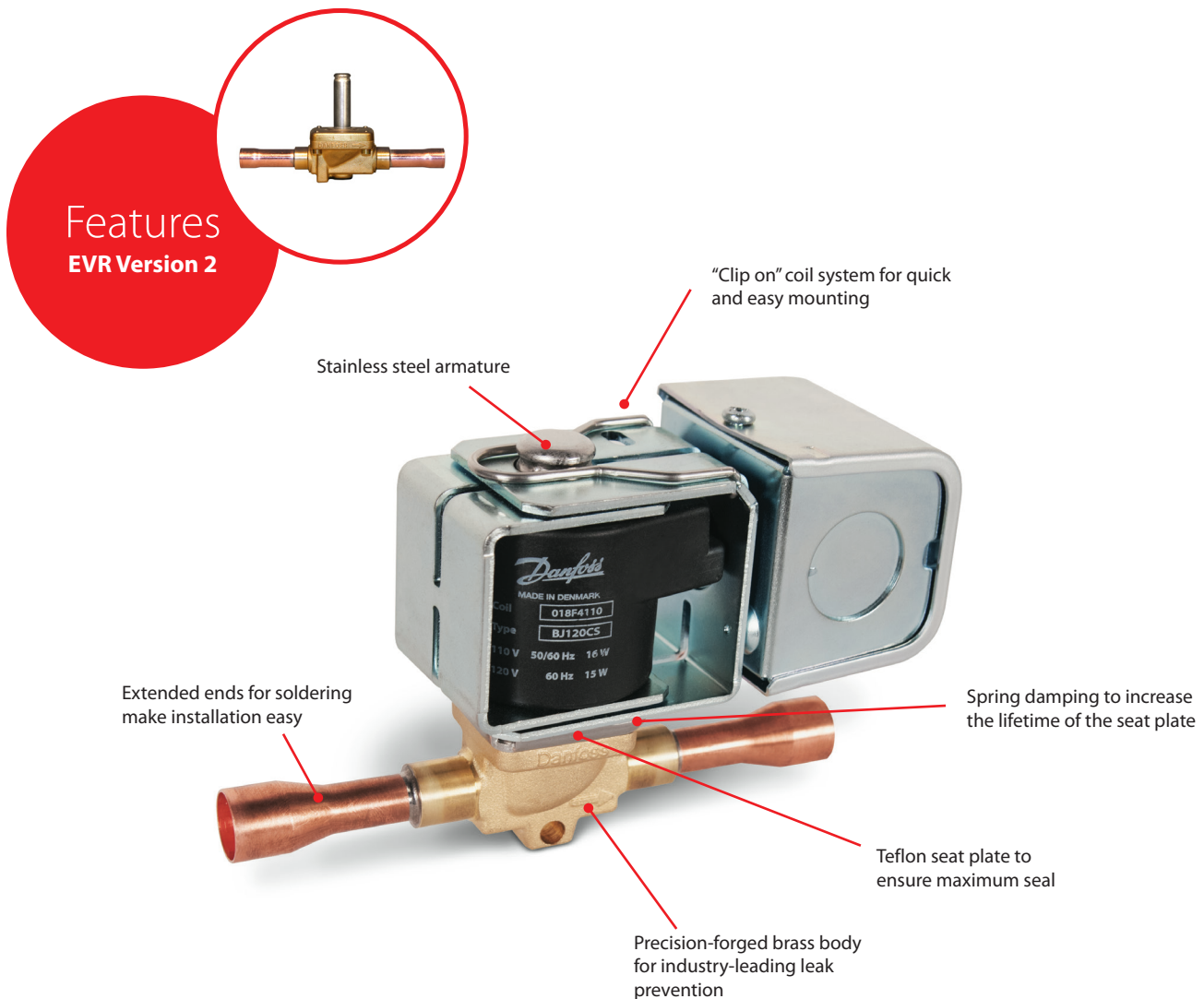


EVR Version 2 - Solenoid Valves

EVR Version 2 solenoid valves are direct or servo-operated solenoid valves for liquid, suction, and hot gas lines. They are suitable for all refrigeration, freezing, and air conditioning applications and are compatible with fluorinated refrigerants. The valves can be delivered as normally open or closed as well as with or without manual operation.



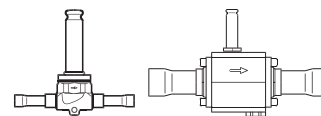
Facts

Applications:

- Commercial refrigeration
- Freezers
- Air conditioning units
- Commercial refrigeration
- Supermarket Refrigeration
- Refrigerants: Use with any fluorinated refrigerant
- Maximum working pressure:
 - EVR 2–EVR 8: 655 psig
 - EVR 10: 655 psig
 - EVR 15–EVR 40: 655 psig
- Temperature range: -40 °F to +220 °F
- Connections:
 - Flare connections up to 5/8 inch
 - Solder connections up to 2 1/8 inch
- Available in normally open and normally closed
- Available with or without manual stem
- Coil available with junction box (NEMA 2) and conduit boss (NEMA 4)

Technical data and ordering

EVR Version 2 Solenoid valves



Danfoss Type	Rated capacity (liquid tons)			Solder ODF connection (in.)	Port size (in.)	Max. working pressure (psig)	Danfoss Code No. ¹	
	R-22	R-134a	R-404A				with manual stem	without manual stem
	R-407C		R-507A					
EVR 3	1.66	1.54	1.07	¼	⅜	655		032F1206
EVR 3	1.66	1.54	1.07	⅜	⅜	655		032F1204
EVR 6	5.47	5.07	3.51	⅜	15/64	655	032L7116	032L1212
EVR 6	5.47	5.07	3.51	½	15/64	655	032L7144	032L1209
EVR 8	6.52	6.03	4.18	½	5/16	655	032L7148	032L7121
EVR 10	11.50	10.64	7.38	5/8	3/8	655	032L7149	032L1214
EVR 15	17.71	16.39	11.37	5/8	9/16	655		032L1228
EVR 18	23.18	21.46	14.88	7/8	19/32	655	032L1004	
EVR 20	36.76	34.04	23.60	7/8	7/8	655	032L1254	032L1240
EVR 22	41.93	38.82	26.92	1 1/8	15/16	655	032L7137	032L7145
EVR 25	60.19	55.72	38.64	1 3/8	1	655	032L2207	032L2208
EVR 32	102.85	95.23	66.03	1 5/8	7/8	655	032L1103	032L1104

¹ Valve body is normally closed (NC) and excludes coil. Additional code nos. available in Coolselector or contact Danfoss.

Coils for Solenoid Valves



Voltage (V)	Frequency (Hz)	Power consumption (W)	Danfoss Type (junction box) ²	Length of wire (in.)	Danfoss Code no.	Danfoss Type (conduit boss) ³	Length of wire (in.)	Danfoss Code No.
24	50/60	14	BJ024CS	7	018F4100	BX024CS	18	018F4102
110	50/60	16	BJ120CS	7	018F4110	BX120CS	18	018F4112
120	60	15						
208-240	60	14	BJ240CS	7	018F4120	BX240CS	18	018F4122
230	50	17						

² Enclosure rating for BJ coils is NEMA 2 ~ IP 12-32

³ Enclosure rating for BX coils is NEMA 4 ~ IP 54

Dual Voltage/Dual Frequency Coil



Coil Type	Voltage (V)	Frequency (Hz)	Power consumption (W)	Danfoss Type (junction box) ⁴	Length of wire (in.)	Danfoss Code no.	Danfoss Type (conduit boss) ⁵	Length of wire (in.)	Danfoss Code No.
EVR	110	50	12	BT240CS	7	018F4180	BU240CS	7	018F4181
	110-120	60							
	230	50							
	208-240	60							

⁴ Enclosure rating for BT coils is NEMA 2 ~ IP 12-32

⁵ Enclosure rating for BU coils is NEMA 4 ~ IP 54

Spare Parts and Accessories

Description	Version(s) applied to	Type(s) applied to	Danfoss Code No.
Permanent magnet coil for servicing and testing	1, 2	all	018F0091
Service kit (NC); O-ring, (4) screws, armature assembly, rubber gasket, compression spring	1, 2	EVR 3	032F0181
Seal kit (NC); O-ring for armature tube, rubber gasket, O-ring for steel cover, support ring	1	EVR 6, 8	032F8165
Service kit (NC); diaphragm assembly, O-ring for armature tube, (4) screws T20, (4) screws T15, armature assembly, rubber gasket, O-ring for steel cover, support ring, compression spring	1	EVR 6, 8	032F8166
Seal kit (NC/NO); O-ring for armature tube, rubber gasket, support ring	2	EVR 6, 8	032L0548
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, support ring, compression ring	2	EVR 6, 8	032L0550
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, compression spring	1	EVR 10	032F0185
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, compression spring	2	EVR 10	032L0552
Seal kit (NC/NO); O-ring for armature tube, (3) rubber gasket (1 ea. for EVR 10, 15, 20) (4) refrigeration gasket (2 ea. For EVR 15, 20)	1, 2	EVR 10, 15, 20	032F8196
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, (2) refrigeration gasket (flange connections), compression spring	2	EVR 15, 18, 20, 22	032L0554
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, refrigeration gasket, compression spring	1	EVR 15, 18	032F0187
Service kit (NC); diaphragm assembly, O-ring, (4) screws, armature assembly, rubber gasket, refrigeration gasket, compression spring	1	EVR 20, 22	032F0189
Manual spindle; spindle assembly	1	EVR 20, 22	032F0193
Seal kit (NC); (2) Al. gasket, (3) O-rings, rubber gasket	1, 2	EVR 25	032F2326
Piston service kit (NC); (2) O-ring, compression spring, piston assembly, insert block, rubber gasket, piston ring	1, 2	EVR 25	032F3236
Piston service kit (NC); (5) O-rings, Al. gasket, piston assembly, insert block, piston ring, compression spring, refrigeration gasket	1, 2	EVR 32	042H0172
Pilot service kit (NC); (2) Al. gaskets, O-ring, orifice, armature tube, armature assembly, compression spring	1, 2	EVR 25, 32	042H0165
Seal kit (NC); (4) O-rings, (2) Al. gaskets	1, 2	EVR 32	032F2327

To determine the version of EVR, read the code number engraved on the armature. Codes beginning with 032F, 032G and 042H are V1; codes beginning with 032L are V2. Kits for types not included in catalog may be available; contact Danfoss for more information.