

Electronic expansion valves series EX2 pulse width modulated with exchangeable orifices can be used with EC2 display case controllers

Features

- Pulse width modulated
- Shut-off function eliminates the necessity of a separate solenoid valve
- Dampened plunger reduces noise effects of water hammer
- One valve body can be combined with 6 orifices to make 7 capacity ranges
- Long lifetime, high reliability
- Max. allowable pressure PS: 40 bar
- Medium temperature range TS: -40...+65°C



Selection table

Type	Part No.	Description	Nominal Capacity at 100% Open Valve (kW)*								
			R134a	R22	R404A / R507	R407C	R448A	R449A	R450A	R513A	R452A
EX2-M00	801091	Valve less orifice 10 mm x 12 mm	13.3	17.2	12.1	18.7	17.2	16.8	11.7	12.0	13.0
EX2-I00	801090	Valve less orifice 3/8"x / 1/2"									
EXO-004	801089	Orifice 4	8.5	10.9	7.7	11.8	10.9	10.6	7.4	7.6	8.3
EXO-003	801088	Orifice 3	5.6	7.2	5.1	7.8	7.2	7.0	4.9	5.0	5.5
EXO-002	801087	Orifice 2	3.3	4.3	3.0	4.7	4.3	4.2	2.9	3.0	3.3
EXO-001	801086	Orifice 1	2.5	3.2	2.3	3.5	3.2	3.1	2.2	2.2	2.4
EXO-000	801085	Orifice 0	1.2	1.6	1.1	1.7	1.6	1.6	1.1	1.1	1.2
EXO-00X	801084	Orifice X	0.7	0.9	0.6	1.0	0.9	0.9	0.6	0.6	0.7

Note 1: Nominal conditions: Evaporating Temperature +4°C (dew point), Condensing Temperature +38°C (bubble point), Subcooling 1 K
For the selection of other operation conditions, please use Copeland Select software.

Note 2: *) Orifice should be selected at maximum 80% of Q₀ to allow covering the load fluctuation.

Accessories

Type	Part No.	Part No. (Multipack*)	Description	
ESC 24V	801033	-	Coil 24 VAC / 50 Hz	
ESC 230V	801031	-	Coil 230 VAC / 50 Hz	
ASC-N15	804570	804570M	Connector Cable Assembly	
ASC-N30	804571	804571M		1.5 m cable length
ASC-N60	804572	-		3.0 m cable length
Plug PG9	801012	-	Plug with cable guide	
Plug PG11	801013	-		
ESC-K01	801034	-	Screw cap (incl. 2x O-ring & fixing retainer)	

Note: *) Multipack = 20 pcs