

EU Declaration of Conformity



This declaration of conformity is issued under the sole responsibility of the manufacturer:

CAREL Industries S.p.A. Via dell'Industria, 11 35020 Brugine (PD) Italy

E3V - Electronic expansion valve

Code	Description
E3Vaabccde	E3V Electronic expansion valve
aa:	Orifice size: 30 = 3.0 mm; 35 = 3.5 mm; 45 = 4.5 mm; 55 = 5.5 mm; 65 = 6.5 mm
b:	Version: A, U, S, H, B, K, C
cc:	Connection fittings for version U, A, S and H: SR = copper 18x22 mm; SS = copper 22x28 mm; ST = copper 28x35 mm WR = copper 3/4"x7/8" ; WS = 7/8"x1+1/8" Connection fittings for version C: WM = steel 5/8"x5/8"; WR = steel 7/8"x7/8" Connection fittings for version B and K: SL = Copper 18x22; SM = Copper 16x16; SR = Copper 22x22 WR = Copper 7/8"x7/8" ; SS = Copper 28x28; WS = Copper 1-1/8"x1-1/8"
d:	Cable length / Sight glass option: Letter / numbers to identify various options
e:	Packaging: 0 = single package ; 1 = multiple package

note: some options combinations are not feasible

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

Directive **2014/68/EU** (PED),

Directive **2011/65/EU** (RoHS),

and comply with the requirements of the following European Harmonized Standards:

PED: EN 10204

Carel item code	Description	DN Max	Fluid group	Cat. PED 2014/68/EU	Max PS, bar
E3VxxAxxxx	E3V, any orifice size, bipolar stepper motor	35	2	I	60
E3VxxUxxxx	E3V, any orifice size, unipolar stepper motor	35	1	I	28
E3VxxSxxxx	E3V, any orifice size, SMART version	28	1	I	35
E3VxxHxxxx	E3V, any orifice size, SMART version for hot gas	22	1	Art. 4, par. 3	60
		28.5 (1-1/8")	1	I	35
		= < 28.5	2	Art. 4, par. 3	60
		22.2 (7/8")	1	Art. 4, par. 3	60
E3VxxBxxxx	E3V, any orifice size, bipolar stepper motor	28	1	I	35
E3VxxKxxxx	E3V, any orifice size, for hot gas	22	1	Art. 4, par. 3	60
		= < 28.5 (1-1/8")	2	Art. 4, par. 3	60
		28.5	1	I	35
		22.2 (7/8")	1	Art. 4, par. 3	60
E3VxxCxxxx	E3V, any orifice size, for CO ₂	22.2	2	Art. 4, par. 3	140

Note: some models are excluded from scope of PED directive, as per article 4 paragraph 3.

RoHS: EN 50581

Supplementary information: Carel tested the products object of this declaration as required by relevant standards indicated, by using a typical test setup that cannot be representative of all the application conditions. OEM is responsible of the compliance to relevant directives and standards of the complete final equipment where the Carel products object of this declaration are integrated or incorporated.

Conformity assessment procedure : Module A

Brugine, 16th September 2016

Signed for and on behalf of:
 CAREL INDUSTRIES S.p.A.
 Technical Director
 Ing. Umberto Bianchini

