ELECTRONIC EXPANSION VALVES: High Efficiency Products

CAREL

			Valve Type (1)	Key words	Performance						Fittings				Leakage rate			Refrigerants (7)	
					Drive type	Capacity (2) [kW] [Tons]	KV [m³/h] [GPM]	MWP (3) [barg] [PSIg]	MOPD (4) [bar] [PSI]	Refrigerant Temperature [°C] [°F]	Environment Temperature [°C] [°F]	Material	Ø	Connection	Mechanical Strainer	Internal (5) Direct Flow [cm³/min]	Internal (5) Reverse Flow [cm³/min]	External (6) [gr/year]	PED Group 2	PED Group 1
STANDARD	E2V - F		H	OEM design Hermetic SS Body	Unipolar or Bipolar	0.08÷66 0.02÷19	0.004÷0.37 0.005÷0.43	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷70 -40÷158	-30÷70 -22÷158	Copper	8mm IDM 3/8" - 1/2" 10mm IDM 12mm 16mm	Brazing	Optional	< 50	< 50	< 2	R22 R134a R404A R407C R410A R417A R507A R744 R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R1234yf R290 R600 R600a R32 R452B R454A R454B R454C R455A R1270 R170
	E2V - Z		D	Demountable Modular install IP69k stator OneBodySize Filter included	Unipolar or Bipolar	0.16÷80 0.05÷23	0.012÷0.44 0.014÷0.51	45 (UL) - 80 (PED) 650 (UL) - 870 (PED)	35 508	-40÷70 -40÷158	-30÷70 -22÷158	Copper	12mm 16mm 5/8" 1/2"	Brazing	AISI 304 150µm	< 50	< 50	< 2	R22 R134a R404A R407C R410A R744 R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F	R1234yf R32 R290 R600 R600a R452B R454A R454B R454C R455A
	E3V - B		H	All application Hermetic SS Body	Unipolar or Bipolar	6÷192 1.7÷55	0.31÷1.27 0.36÷1.46	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	40 580	-40÷70 -40÷158	-30÷70 -22÷158	Copper	16mm 5/8" 22mm 7/8"	Brazing	Optional	< 25	< 100	< 2	R22 R134a R404A R407C R410A R417A R507A R744 R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R1234yf R290 R600 R600a R32 R452B R454A R454B R454C R455A R1270
	E3V - S		D	Demountable Modular install Filter included	Unipolar or Bipolar	9÷225 2.6÷64	0.53÷1.33 0.61÷1.53	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷70 -40÷158	-30÷70 -22÷158	Copper	18-22mm 7/8"–1.1/8" 22-28mm 3/4"-7/8"	Brazing	AISI 304 150µm	< 100	< 200	< 2	R22 R134a R404A R407CR410A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R744	R1234yf R32 R452B R454A R454B R454C R455A
	E4V - B		D	Demountable Modular install	Bipolar	32÷459 9.1÷131	1.77÷2.55 2.05÷2.95	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷70 -40÷158	-30÷70 -22÷158	Copper	28-35mm 1.1/8" 1.3/8"	Brazing	n.a	< 50	< 100	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R744	R1234yf
	E4V - F		H	OEM design Hermetic	Bipolar	20÷410 5.7÷117	1.68÷2.28 1.94÷2.64	48 (UL) - 48 (PED) 696 (UL) - 696 (PED)	40 580	-40÷70 -40÷158	-30÷70 -22÷158	Copper	28-35mm 1.1/8" 1.3/8"	Brazing	n.a	< 50	< 100	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R290 R600 R600a R1234yf R32 R452B R454B R454A R454C R455A R1270
	E5V		D	Modular install SightGlass Big capacities	Bipolar	76÷1100 22÷313	4.2÷6.1 4.8÷7.1	45 (UL) - 45 (PED) 650 (UL) - 650 (PED)	35 508	-40÷70 -40÷158	-30÷70 -22÷158	Copper	28mm 35mm	Brazing	n.a	< 100	< 200	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R515B	R1234yf R32 R452B R454A R454B R454C R455A
	E6V		D		Bipolar	170÷2103 48÷598	9.5÷11.7 11.0÷13.5	45 (UL) - 45 (PED) 650 (UL) - 650 (PED)	28 406	-40÷70 -40÷158	-30÷70 -22÷158	Copper	35-42mm 1.5/8"	Brazing	n.a	< 100	< 200	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R515B	R32 R452B R454A R454B R454C R455A R1234yf
	E7V		D		Bipolar	281÷3400 80÷760	15.6÷18.9 18.0÷21.9	42 (UL) - 45 (PED) 609 (UL) - 650 (PED)	28 406	-40÷70 -40÷158	-30÷70 -22÷158	Copper	54mm 1.5/8"	Brazing	n.a	< 100	< 200	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R515B	R32 R452B R454A R454B R454C R455A R1234yf
	E7V TWIN		D		Bipolar	561÷7363 160÷2093	31.2÷41.0 36.0÷47.4	25 (PED) 360 (PED)	28 406	-40÷70 -40÷158	-30÷70 -22÷158	Copper	3" ODF	Brazing	n.a	< 100	< 200	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R515B	R32 R452B R454A R454B R454C R455A R1234yf
CO_2	E2V - C		H	Hermetic All SS HighPressures TwoFittingsTypes	Unipolar or Bipolar	0.08÷27 0.02÷7.7	0.004÷0.15 0.005÷0.29	140 (UL) - 140 (PED) 2030 (UL) - 2030 (PED)	120 1740	-40÷70 -40÷158	-30÷70 -22÷158	AISI 316	10mm 12mm 13.1mm IDF 3/8"	TIG Swagelok Brazing	Optional	< 50	< 50	< 2	R22 R134a R404A R407CR410A R744 R507A R417A R407H R407A R407E R407F	n.a
	E2V-ZC		D	Demountable Filter included High Pressures All SS	Unipolar or Bipolar	0.2÷34.7 0.057÷9.87	0.01÷0.22 0.01÷0.25	140 (PED) 2030 (PED)	120 1740	-40÷70 -40÷158	-30÷70 -22÷158	AISI 304	10-12mm	TIG Brazing	AISI 304 150µm	< 50	< 50	< 2	R744	n.a
	E3V - C		D	Demountable Filter included HighPressures All SS	Bipolar	7÷196 2÷56	0.37÷1.10 0.43÷1.26	120 (UL) - 140 (PED) 1740 (UL) - 2030 (PED)	90 1305	-40÷65 -40÷149	-30÷50 -22÷122	AISI 304	5/8" 7/8"	TIG	AISI 304 200µm	< 150	n.a	< 2	R744	n.a
	E5V-C		D	Demountable Filter included HighPressures All SS	Bipolar	29÷760 8÷216	1.60÷4.20 1.85÷4.89	120 (UL) - 140 (PED) 1740 (UL) - 2030 (PED)	90 1305	-40÷70 -40÷158	-30÷70 -22÷158	AISI 304 Copper	7/8" 1.1/8"	TIG Brazing	AISI 304 200µm	<150	n.a	< 2	R744	n.a
HIGH TEMPERATURE	E2V - K		H	OEM design Hermetic SS Body	Unipolar or Bipolar	0.8÷66 0.4÷19	0.04÷0.37 0.05÷0.43	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷100 -40÷212	-30÷70 -22÷158	Copper	8mm IDM 3/8" - 1/2" 10mm IDM 12mm 16mm	Brazing	Optional	< 200	< 200	< 2	R22 R134a R404A R407C R410A R417A R507A R744 R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R1234yf R290 R600 R600a R32 R452B R454A R454B R454C R455A R1270 R170
	E3V - K		H	All application Hermetic SS Body	Unipolar or Bipolar	6÷192 1.7÷55	0.31÷1.27 0.36÷1.46	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	40 580	-40÷100 - 40÷212	-30÷70 -22÷158	Copper	16mm 5/8" 22mm 7/8"	Brazing	Optional	<250	<250	< 2	R22 R134a R404A R407C R410A R417A R507A R744 R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R1234yf R290 R600 R600a R32 R452B R454A R454B R454C R455A R1270
	E4V - K		H	OEM design Hermetic	Bipolar	20÷410 5.7÷117	1.68÷2.28 1.94÷2.64	48 (UL) - 48 (PED) 696 (UL) - 696 (PED)	40 580	-40÷100 -40÷212	-30÷70 -22÷158	Copper	28-35mm 1.1/8" 1.3/8"	Brazing	n.a	<250	< 500	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd R515B R245fa	R290 R600 R600a R1234yf R32 R452B R454B R454A R454C R455A R1270
	E2V - H		D	HighTemp. Demountable Modular install Filter included	Unipolar or Bipolar	0.16÷85 0.05÷24	0.05÷0.47 0.058÷0.54	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷100 -40÷215	-30÷70 -22÷158	Copper	12mm 16mm 5/8"	Brazing	AISI 304 150µm	n.a	n.a	< 2	R22 R134a R404A R407C R410A R744 R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F	R1234yf R32 R452B R454A R454B R454C R455A
	E3V - H		D	HighTemp. Demountable Modular install Filter included	Unipolar or Bipolar	8.5÷225 2.4÷64	0.53÷1.33 0.61÷1.54	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷100 -40÷215	-30÷70 -22÷158	Copper	18-22mm 22-28mm 3/4"-7/8" 7/8"–1.1/8"	Brazing	AISI 304 150µm	n.a	n.a	< 2	R22 R134a R404A R407CR410A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F	R1234yf R32 R452B R454A R454B R454C R455A
	E4V - H		D	HighTemp. Demountable Modular install	Bipolar	28÷450 8÷128	1.88÷2.55 2.16÷2.93	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	35 508	-40÷100 -40÷215	-30÷70 -22÷158	Copper	28-35mm 1.1/8"-1.3/8"	Brazing	n.a	n.a	n.a	< 2	R22 R134a R407C R410A R404A R507A R417A R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R744	R1234yf
AMMONIA	E2V - BS		H	Hermetic All SS	Bipolar	0.08÷66 0.002÷19	0.004÷0.37 0.005÷0.43	45 (UL) - 60 (PED) 650 (UL) - 870 (PED)	26 377	-40÷70 -40÷158	-30÷70 -22÷158	AISI 316	10mm 13.1mm IDF	TIG	Optional	< 50	< 50	< 2	R22 R134a R404A R407C R410A R417A R507A R744 R1234ze R448A R449A R450A R513A R407H R427A R452A R407A R407E R407F R1233zd	R1234yf R717 R290 R600 R600a R32 R452B R454A R454B R454C R455A R1270

Notes:
(1): H : Hermetic; D: Demountable
(2): Capacity refers to: R410A tev = 7°C (45°F) tcond = 45°C (113°F) SC = 5 K (9°R)
(3): MWP may decrease for some Group 1 Refrigerants or for some specific models
(4): MOPD may decrease with bigger orifices for the same valve or certification or motor
(5): Internal leakage rate of N2 @ DP 30 bar
(6): External leakage rate of R134a @ P = 45 barg
(7): Refrigerants list may vary

Valve proposition	
F	Hermetically sealed designed for OEMs
S/Z	Modular installation with filter included
C/CS	For high pressure installations

Valve proposition	
H/K	Designed for high temperature applications
E4V, E5V, E6V, E7V	Demountable for high capacity applications

Referring to R410A Tev: 7°C, Tcond: 45°C, SK: 5K					Referring to R134A Tev: -10°C, Tcond: 45°C, SK: 5K					Correction Factors kW = kWREF / CF (kWREF relative to Capacity column)
R32	R1234yf	R1234ze	R407C	R417A	R404A	R717	R290	R448A	R449A	
0,67	2,05	1,87	1,16	1,50	1,14	0,15	0,75	0,81	0,82	

For further details see products technical leaflets available on our website or contact us at carel@carel.com

Digit:	1	2	3	4	5	6	7	8	9	10
	E	*	V	*	*	*	*	*	*	*

Type

E * V

2
3
4
5
6
7

Size

* *

E2V	E3V	E4V	E5V	E6V	E7V
01	30	65	A2	A8	B4
03	35	85	A5	B2	C1
05	45	95			
09	55		E5V-C		
11	65				
14			85		
18			95		
24			A0		
30			A2		
35					

Family

*

B, F: Hermetic
S, Z: Demountable
C: High pressure
H, K: High temperature
R: RPRV (only E5V)
T: Twin Demountable (only E7V)

Type of connection

*

S: To be welded, metric
W: To be welded, imperial
C: Stainless steel for HP applications

Size of connection

*

Option

*

Package

*

0: Single
1: Multiple

Type of connection	Inlet/Outlet	E2V-F/-K	E2V-Z/-H	E2V-C	E3V-H/-S	E3V-C	E3V-B/-K	E4V-B/-H	E4V-F/-K	E5V	E5V-C	E6V	E7V
S (mm)	8x8 (5/16")	A											
	10x10	B		0									
	12x12	F	F	F									
	13x13			1									
	16x16 (5/8")	M	M				M						
	18x22				R								
	22x22						R						
	22x28				S								
	28x28								S	S			
	28x35							T					
	35x35 (1.3/8")								T				
	35x35									T		T	
	42x42											V	
	54x54												Z
W (inches)	3/8x3/8	A		A									
	1/2x1/2	F	F										
	3/8x1/2	B											
	3/4x7/8				R								
	7/8x1.1/8				S								
	7/8x7/8					R	R				R		
	5/8x5/8					M							
	1.1/8x1.1/8 (Copper)								S		S		
	1.1/8x1.1/8 (Stainless Steel)										T		
	1.1/8x1.3/8							T					
	1.1/8x1.5/8											V	V
	3x3 (only E7V Twin)												Y
C (mm)	10x12		B										

Type		E2V					E3V			E4V	E5V/E6V/E7V	E5V
Family		Z	ZC	C	F/K	H	S/H	C	B/K	-	-	C
Option (*)	0	Bip, W SG		Bip			Bip, W SG	Bip		W SG	W SG	Bip
	1	Bip, W/O SG				Bip, W/O SG	Bip, W/O SG		Bip	W/O SG	W/O SG	
	2						Uni, W SG CL 1m					
	3						Uni, W/O SG, CL 1m		Uni, W/O SG, CL 1m			
	4						Uni, W SG, CL 2m				W SG, W gas. HNBR	
	5						Uni, W/O SG, CL 2m		Uni, W/O SG, CL 2m			
	6	Uni, W SG, CL 0,3m					Uni, W SG, CL 0,3m					
	7	Uni, W/O SG, CL 0, 3m					Uni, W/O SG, CL 0,3m		Uni, W/O SG, CL 0,3m			
	A	W/O S, W SG					W/O S, W SG			W/O S, W SG		
	B	W/O S, W/O SG								W/O S, W/O SG		
	C		W/O S, W/O SG	W/O S	W/O S	W/O S	W/O S, W/O SG		W/O S			

Note:

- W/O = without; W = with; S= stator; SG = sight glass; Uni. = unipolar; Bip. = bipolar; CL = cable length; gas. = gasket
- not all the combinations are available
- for E4V/E5V/E6V/E7V only the bipolar stator is available

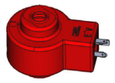
ExV - STATORS & CABLES

Images herein attacched are exemplifying and do not represent the whole Carel's portfolio

E2VSTA031* - E2VSTA032* - E2VSTA037*

E2VSTAS23*

E2VSTA020*



E2VSTAX3*

STATOR

ExV Family	Code	Unipolar	Bipolar	Stator IP	Cable	Length [m]	Terminal
E2V	E2VSTA037*	✓		67	YES	0.7	JST
	E2VSTA031*	✓		67	YES	1	JST
	E2VSTA032*	✓		67	YES	2	JST
	E2VSTAS31*	✓		69K	YES	1	JST
	E2VSTAS32*	✓		69K	YES	2	JST
	E2VSTAS22*		✓	69K	YES	2	Free
	E2VSTAX31*	✓ Ex		67	YES	1	JST
	E2VSTAX32*	✓ Ex		67	YES	2	JST
	E2VSTAX3T*	✓ Ex		67	YES	3	JST
	E2VSTAX21*		✓ Ex	67	YES	1	Free
	E2VSTAX2T*		✓ Ex	67	YES	3	Free
	E2VSTA033*	✓		67	YES	0.3	Superseal
	E2VSTAS33*	✓		69K	YES	0.3	Superseal
	E2VSTAS23*		✓	69K	YES	0.3	Superseal
	E2VSTA020*		✓	67	NO	-	-
E3V	E3VSTA031*	✓		67	YES	1	JST
	E3VSTA032*	✓		67	YES	2	JST
	E3VSTA033*	✓		67	YES	0.3	Superseal
	E3VSTA035*	✓		67	YES	0.5	Superseal
	E3VSTA020*		✓	67	NO	-	-
E4V&E7V	E4VE7VSTA*		✓	67	NO	-	-
E5V&E6V	E5VE6VSTA*		✓	67	NO	-	-

Note: Last digit = 0 : single pack; Last digit = 1 : multiple pack;
E2VSTAX: ATEX stator

CABLES

Code	Unipolar	Bipolar	Shield	Length [m]	Stator	Driver
E2VCABS3U0	✓		YES	3	Superseal	JST
E2VCABS6U0	✓		YES	6	Superseal	JST
E2VCABS9U0	✓		YES	9	Superseal	JST
E2VCABS3I0		✓	YES	3	Superseal	Free
E2VCABS6I0		✓	YES	6	Superseal	Free
E2VCABS9I0		✓	YES	9	Superseal	Free
E2VCABSAI0		✓	YES	15	Superseal	Free
E2VCAB0300		✓	NO	3	Direct	Free
E2VCAB0600		✓	NO	6	Direct	Free
E2VCAB0900		✓	NO	9	Direct	Free
E2VCABS300		✓	YES	3	Direct	Free
E2VCABS600		✓	YES	6	Direct	Free
E2VCABS900		✓	YES	9	Direct	Free
E2VCABSA50		✓	YES	15	Direct	Free

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For further details see products technical leaflets available on our website or contact us at carel@carel.com

ExV - VALVES COMPONENTS DESCRIPTION

Accessory	Description
E2VFIL0000	Filter kit for 10 E2V-CZ valves 500 um
E2VFIL0100	Filter kit for 10 E2V-CS1/F & E2V-BS1 valves 500 um
E2VFIL0200	Filter kit for 10 E2V-FSM & E2V-KSM valves 500 um
E2VFIL0300	Filter kit for 10 E2V-FWA, E2V-FWB, E2V-KWA, E2V-KWB & E2V-CWA valves 500 um
E2VFIL0400	Filter kit for 10 E2V-S, E2V-Z & E2V-H valves150 um
E3VFIL0000	Filter kit for 10 E3V-S & E3V-H valves 500 um
E3VFIL0100	Filter kit for 1 E3V-C Valves 200 um
E3VFIL0200	Filter kit for 10 E3V-B & E3V-K valves 500 um
E5VFIL0100SP	Filter kit for 1 E5V-C valves 200 um

Accessory	Description
E2VORI0100	Kit for10 E2V-Z Valves O-Ring & teflon gasket
E2VORI0300SP	Kit for 1 E2V-ZC valve O-Ring
E3VORI0300	Kit for 1 E3V-C valve O-Ring (multipack 10 pcs)
E3VORI0600	Kit for 1 E3V-S & E3V-H valve O-Ring & teflon gasket (multipack 10 pcs)
E4VORI0000	Kit for 10 E4V-B, E4V-H & E6V ValvesO-Ring
E5VORI0100	Kit for 1 E5V valve O-Ring (multipack 10 pcs)
E5VORI0500SP	Kit for 1 E5V-C valve O-Ring (multipack 10 pcs)
E7VORI0000	Kit for 10 E7V Valves O-Ring
E2VSGH0000	Sightglass for E2V and E3V
E4VSGH0000	Sightglass for E4V E5V E6V and E7V
E4VSGH0010	Sightglass for E4V E5V E6V and E7V with hum. indicator

Accessory	Description
E2VATTC***	E2V-ZC spare actuator (**: valve size)
E2VATTH0**	E2V-H spare actuator (**: valve size)
E3VATTH0**	E3V-H spare actuator (**: valve size)
E3VATTC0**	E3V-C spare actuator (**: valve size)
E3VATTS0**	E3V-S spare actuator (**: valve size)
E2VATTZ***	E2V-Z spare actuator (**: valve size, last digit: 0 = 1 pc; 1 = 10 pcs)
E4VATT00**	E4V-B spare actuator (**: valve size)
E4VATTH0**	E4V-H spare actuator (**: valve size)
E5VATT*0**	E5V spare actuator (***: valve size)
E5VATTC***	E5V-C spare actuator (**: valve size)
E6VATT**	E6V spare actuator (***: valve size, last digit: 0 = 1 pc; 1 = 5 pcs)
E7VATT**	E7V spare actuator (***: valve size, last digit: 0=1 pc; 1=5 pcs)

Accessory	Description
E2VNUT0200	Fastening nut for E2V, E3V, E4V-F and E5V-C (20 pcs)
E2VNUT0300	Fastening nut for E2V, E3V, E4V-F and E5V-C (100 pcs)
E4VNUT0000	Fastening nut for E4V, E5V, E6V and E7V (20 pcs)
E4VNUT0100	Fastening nut for E4V, E5V, E6V and E7V (100 pcs)
E2VMAG0000	Manual actuator for E2V
E3VMAG0000	Manual actuator for E3V, E5V and E6V
E4VMAG0000	Manual actuator for E4V and E7V
EEVMAG0000	Manual actuators for E2V, E3V, E4V, E5V, E6V and E7V

Legend: Filter · O-Ring · Sight glass (including O-Ring) · Actuator (Includes filter (only for E2V and E3V) and O-Ring) · Nut · Magnet

ExV - VALVES COMPONENTS

CAREL

			Type	Connection type	Connection size	Filter									O-Ring								Sight glass [a]			Actuator [b]											Nut				Magnet			
						E2VFIL0000	E2VFIL0100	E2VFIL0200	E2VFIL0300	E2VFIL0400	E3VFIL0000	E3VFIL0100	E3VFIL0200	E5VFIL0100SP	E2VORI0100	E2VORI0300SP	E3VORI0300	E3VORI0600	E4VORI0000	E5VORI0100	E7VORI0000	E5VORI0500SP	E2VSGH0000	E4VSGH0000	E4VSGH0010	E2VATT**H0	E2VATT**Z*	E2VATT**C*	E3VATT**H0	E3VATT**C0	E3VATT**S0	E4VATT**00	E4VATT**H0	E5VATT***0	E6VATT****	E7VATT****	E5VATT**C*	E2VNUT0200	E2VNUT0300	E4VNUT0000	E4VNUT0100	E2VMAG0000	E3VMAG0000	E4VMAG0000	EEVMAG0000
STANDARD	E2V**		F	S	A/B/F			●																													●	●			●			●
					M																																						
				W	A/B				●																																			
					F																																						
			Z	S	F/M					●					●								●			●												●	●			●			●
				W	F																																						
	E3V**		B	S	M								●																										●	●			●			●
					R																																						
				W	R																																						
			S	S/W	R/S						●							●					●								●							●	●			●			●
	E4V**		B	S	T														●					●	●																●	●			●
				W																																								
	E4V**		F	S	S/T																			●	●																●	●			●			●
				W	S																																							
	E5V**		A	S	S/T															●				●	●																●	●			●			●
	E6V**		A	S	T/V															●				●	●																●	●			●			●
				W	V																																							
	E7V**		A	S	Z																	●			●																●	●			●			●
				W	V																																							
			T	W	Y																	●			●																●	●			●			●
CO2	E2V**		C	S	0																																							
					1/F		●																																		●	●			●			●
				Z	0	●																																							
				W	A				●																																				
	E2V**		Z	C	B					●						●											●												●	●			●			●
	E3V**		C	W	M							●					●												●											●	●				●		●
					R																																								
	E5V**		C	W	S/R/T									●							●															●				●	●			●			●
HIGH TEMPERATURE	E2V**		K	S	A/B/F			●																														●	●			●			●
					M																																								
				W	A/B				●																																				
					F																																							
	E3V**		K	S	M																																								
					R								●																										●	●				●		●
				W	R																																								
	E4V**		K	S	S/T																																								
				W	S																				●	●														●	●				●		●
	E2V**		H	S	F/M					●																	●												●	●			●			●
					W																																								
	E3V**		H	S	R/S						●							●											●											●	●			●			●
				W																																									
	E4V**		H	S	T														●												●										●	●			●			●
				W																																									
AMMONIA	E2V**		B	S	0																																							
					1		●																																		●	●			●			●

Notes:

:	Size (Digit 4, 5)
[a]:	Includes O-Ring
[b]:	Includes filer (only for E2V and E3V) and O-Ring

Filter

O-Ring

Sight glass

Actuator

Nut

Magnet

Images here in attacched are exemplifying and do not represent the whole Carel's portfolio.

For further details see products technical leaflets available on our website or contact us at carel@carel.com

ExV - SPARE PARTS

CAREL

Each picture represents the product in quantity equal to MOQ. In other words, if you place an order with the quantity indicated in the MOQ column, you will receive what you see in the picture.

FILTERS

Code	Description	MOQ *	Pictures
E2VFIL0000	FILTER KIT FOR 10 E2V-CZ VALVES 500 um	1	
E2VFIL0100	FILTER KIT FOR 10 E2V-CS1/F & E2V-BS1 VALVES 500 um	1	
E2VFIL0200	FILTER KIT FOR 10 E2V-FSM & E2V-KSM VALVES 500 um	1	
E2VFIL0300	FILTER KIT FOR 10 E2V-FWA, E2V-FWB, E2V-KWA, E2V-KWB & E2V-CWA VALVES 500 um	1	
E2VFIL0400	FILTER KIT FOR 10 E2V-S, E2V-Z & E2V-H VALVES 150 um	1	
E2VFIL0500	FILTER KIT FOR 1 E2V-S, E2V-Z & E2V-H VALVE 150 um	10	
E3VFIL0000	FILTER KIT FOR 10 E3V-S & E3V-H VALVES 500 um	1	
E3VFIL0100	FILTER KIT FOR 1 E3V-C VALVES 200 um	1	
E3VFIL0200	FILTER KIT FOR 10 E3V-B & E3V-K VALVES 500 um	1	
E5VFIL0100SP	FILTER KIT FOR 1 E5V-C VALVES 200 um	1	

O-RINGS

Code	Description	MOQ *	Pictures
E2VORI0100	KIT FOR 10 E2V-Z VALVES O-RING & TEFLON GASKET	1	
E2VORI0300SP	KIT FOR 1 E2V-ZC VALVE O-RING	10	
E3VORI0000	KIT FOR 10 E3V-S & E3V-H VALVES O-RING	1	
E3VORI0100	KIT FOR 1 E3V-S & E3V-H VALVE O-RING (MULTIPACK 10 PCS)	10	
E3VORI0300	KIT FOR 1 E3V-C VALVE O-RING (MULTIPACK 10 PCS)	10	
E3VORI0500	KIT FOR 10 E3V-S & E3V-H VALVES O-RING & TEFLON GASKET	1	
E3VORI0600	KIT FOR 1 E3V-S & E3V-H VALVE O-RING & TEFLON GASKET (MULTIPACK 10 PCS)	10	
E4VORI0000	KIT FOR 10 E4V-B, E4V-H & E6V VALVES O-RING	1	

Code	Description	MOQ *	Pictures
E5VORI0000	KIT FOR 10 E5V-A VALVE O-RING	1	
E5VORI0100	KIT FOR 1 E5V VALVE O-RING (MULTIPACK 10 PCS)	10	
E5VORI0400SP	KIT FOR 1 E5V-A VALVE O-RING HNBR FOR R515B (MULTIPACK 10 PCS)	10	
E5VORI0500SP	KIT FOR 1 E5V-C VALVE O-RING (MULTIPACK 10 PCS)	10	
E6VORI0400SP	KIT FOR 1 E6V-A VALVE O-RING HNBR FOR R515B (MULTIPACK 10 PCS)	10	
E7VORI0000	KIT FOR 10 E7V VALVES O-RING	1	
E7VORI0100	KIT FOR 1 E7V VALVE O-RING (MULTIPACK 10 PCS)	10	
E7VORI0400SP	KIT FOR 1 E7V-A VALVE O-RING HNBR FOR R515B (MULTIPACK 10 PCS)	10	

* = Minimum Order Quantity