

EX2 Pulse Modulated Electronic Expansion Valve

EX2 Series is an electronically controlled expansion device. The capacity is defined through pulse width modulation. The primary application is for display cases and small cold rooms in commercial refrigeration such as supermarkets.

Features

- Pulse width modulated
- Utilizing standard coils ASC3-24VAC/ 50 Hz or ASC3-230VAC/ 50 Hz (to be ordered separately)
- Shut off function eliminates the necessity of a separate solenoid valve
- Dampened plunger reduces noise and effects of water hammer
- One valve body can be combined with 6 orifices to make 7 capacity ranges, up to 17.2 kW (R 448A)
- Available with ODF connections
- Long lifetime, high reliability



EX2 with ASC3

Selection table

Type	Part No.	Description	Capacity Q_n at 100% Open Valve [kW]*				
			R448A	R449A	R450A	R513A	R1234ze
EX2-M00	801091	Valve less orifice 10 mm x 12 mm	17.2	16.8	11.7	12.0	10.4
EX2-I00	801090	Valve less orifice 3/8"x / 1/2"					
EXO-004	801089	Orifice 4	10.9	10.6	7.4	7.6	6.6
EXO-003	801088	Orifice 3	7.2	7.0	4.9	5.0	4.4
EXO-002	801087	Orifice 2	4.3	4.2	2.9	3.0	2.6
EXO-001	801086	Orifice 1	3.2	3.1	2.2	2.2	1.9
EXO-000	801085	Orifice 0	1.6	1.6	1.1	1.1	1.0
EXO-00X	801084	Orifice X	0.9	0.9	0.6	0.6	0.5
ASC3-24V	801079	Coil ASC3 24 VAC / 50 Hz					
ASC3-230V	801077	Coil ASC3-230VAC / 50 HZ					

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

⚠ Warning: R1234ze classified as A2L. Use of product only for non-explosive environment, non ATEX zone.

The nominal capacity (Q_n) is based on the following conditions:

Refrigerant	Evaporating temperature [°C]	Condensing temperature [°C]	Subcooling
R448A, R449A	+4°C dew point	+38°C bubble / +43°C dew point	1K
R450A		+38°C bubble / +38.6°C dew point	
R513A, R1234ze		+38°C bubble / +38°C dew point	

For selection of other operating condition, please use quick selection tables on the next pages or Controls Navigator selection program.

EX2 Pulse Modulated Electronic Expansion Valve

EX2: Quick selection (included 1.5 bar pressure drop for liquid line components and distributor)

Condensing temperature [°C]	R448A/R449A				Capacity [kW]								R448A/R449A				Valve/ orifice type
	Evaporating temperature [°C]																
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45				
60 bubble/ 63.4 dew point	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.56	0.56	0.56	EXO-00X			
	1.20	1.20	1.20	1.20	1.20	1.20	1.12	1.12	1.12	1.04	1.04	1.04	0.96	EXO-000			
	2.32	2.32	2.40	2.40	2.32	2.32	2.32	2.24	2.24	2.16	2.08	2.00	2.00	EXO-001			
	3.12	3.20	3.20	3.20	3.12	3.12	3.12	3.04	2.96	2.88	2.80	2.72	2.64	EXO-002			
	5.28	5.28	5.36	5.28	5.28	5.20	5.12	5.04	4.96	4.88	4.72	4.56	4.48	EXO-003			
	7.92	8.00	8.08	8.08	8.00	7.92	7.84	7.68	7.52	7.36	7.12	6.96	6.72	EXO-004			
	12.56	12.64	12.72	12.72	12.64	12.48	12.32	12.08	11.84	11.60	11.28	10.96	10.64	EX2-M/I			
50 bubble/ 54 dew point	0.64	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.64	0.64	0.64	0.64	EXO-00X			
	1.20	1.20	1.20	1.28	1.28	1.28	1.28	1.20	1.20	1.20	1.20	1.12	1.12	EXO-000			
	2.40	2.40	2.48	2.48	2.48	2.48	2.48	2.48	2.40	2.40	2.32	2.32	2.24	EXO-001			
	3.20	3.28	3.28	3.36	3.36	3.36	3.36	3.28	3.28	3.20	3.12	3.12	3.04	EXO-002			
	5.36	5.44	5.52	5.60	5.60	5.60	5.60	5.52	5.44	5.36	5.28	5.20	5.04	EXO-003			
	8.08	8.24	8.40	8.48	8.56	8.48	8.48	8.40	8.24	8.16	8.00	7.84	7.60	EXO-004			
	12.72	13.04	13.28	13.36	13.44	13.44	13.36	13.20	13.04	12.80	12.56	12.32	12.00	EX2-M/I			
40 bubble/ 44.5 dew point	0.64	0.64	0.64	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.64	0.64	EXO-00X			
	1.12	1.20	1.20	1.20	1.28	1.28	1.28	1.28	1.28	1.28	1.20	1.20	1.20	EXO-000			
	2.24	2.32	2.40	2.48	2.48	2.56	2.56	2.56	2.48	2.48	2.48	2.40	2.40	EXO-001			
	2.96	3.12	3.20	3.28	3.36	3.36	3.36	3.36	3.36	3.36	3.28	3.28	3.20	EXO-002			
	4.96	5.20	5.44	5.52	5.60	5.68	5.68	5.68	5.68	5.60	5.52	5.44	5.36	EXO-003			
	7.52	7.92	8.16	8.40	8.48	8.56	8.64	8.56	8.56	8.48	8.32	8.24	8.08	EXO-004			
	11.92	12.48	12.88	13.20	13.44	13.52	13.60	13.60	13.44	13.36	13.20	12.96	12.72	EX2-M/I			
30 bubble/ 34.5 dew point	0.48	0.56	0.64	0.64	0.64	0.64	0.72	0.72	0.72	0.72	0.72	0.72	0.64	EXO-00X			
	0.96	1.04	1.12	1.12	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	EXO-000			
	1.84	2.00	2.16	2.32	2.32	2.40	2.48	2.48	2.48	2.48	2.48	2.40	2.40	EXO-001			
	2.48	2.72	2.96	3.04	3.20	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.20	EXO-002			
	4.16	4.56	4.88	5.12	5.28	5.44	5.52	5.52	5.52	5.52	5.52	5.44	5.36	EXO-003			
	6.32	6.96	7.44	7.76	8.00	8.24	8.32	8.40	8.40	8.40	8.32	8.24	8.16	EXO-004			
	9.92	10.96	11.68	12.24	12.64	12.96	13.12	13.28	13.28	13.28	13.12	13.04	12.88	EX2-M/I			
20 bubble/ 25.3 dew point		0.40	0.48	0.56	0.56	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	EXO-00X			
		0.72	0.88	0.96	1.04	1.12	1.12	1.12	1.20	1.20	1.20	1.20	1.12	EXO-000			
		1.52	1.76	1.92	2.08	2.16	2.24	2.32	2.32	2.32	2.32	2.32	2.32	EXO-001			
		2.00	2.32	2.56	2.80	2.88	3.04	3.12	3.12	3.12	3.12	3.12	3.12	EXO-002			
		3.36	3.92	4.32	4.64	4.88	5.04	5.12	5.20	5.28	5.28	5.28	5.20	EXO-003			
		5.12	5.92	6.56	7.04	7.36	7.68	7.84	7.92	8.00	8.00	7.92	7.92	EXO-004			
		8.00	9.44	10.40	11.12	11.68	12.08	12.32	12.48	12.56	12.56	12.56	12.48	EX2-M/I			
10 bubble/ 15.5 dew point				0.40	0.48	0.48	0.56	0.56	0.56	0.56	0.64	0.64	0.64	EXO-00X			
				0.64	0.80	0.88	0.96	1.04	1.04	1.04	1.04	1.04	1.04	EXO-000			
				1.36	1.60	1.76	1.92	2.00	2.08	2.08	2.16	2.16	2.16	EXO-001			
				1.76	2.16	2.40	2.56	2.72	2.80	2.80	2.88	2.88	2.88	EXO-002			
				3.04	3.60	4.00	4.32	4.48	4.64	4.72	4.80	4.88	4.88	EXO-003			
				4.56	5.44	6.08	6.48	6.80	7.04	7.20	7.28	7.36	7.36	EXO-004			
				7.20	8.56	9.52	10.24	10.72	11.12	11.36	11.52	11.60	11.60	EX2-M/I			
0 bubble/ 5.7 dew point						0.32	0.40	0.40	0.48	0.48	0.48	0.56	0.56	EXO-00X			
						0.56	0.72	0.80	0.88	0.88	0.88	0.96	0.96	EXO-000			
						1.12	1.36	1.52	1.68	1.76	1.84	1.84	1.92	EXO-001			
						1.52	1.84	2.08	2.24	2.40	2.48	2.56	2.56	EXO-002			
						2.48	3.12	3.52	3.76	4.00	4.16	4.24	4.24	EXO-003			
						3.76	4.72	5.28	5.76	6.00	6.24	6.40	6.48	EXO-004			
						6.00	7.36	8.40	9.04	9.52	9.84	10.08	10.24	EX2-M/I			

EX2 Pulse Modulated Electronic Expansion Valve

EX2: Quick selection (included 1.5 bar pressure drop for liquid line components and distributor)

Condensing temperature [°C]	R450A													Valve/ orifice type
	Capacity [kW]													
	Evaporating temperature [°C]													
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	
60	0.49	0.49	0.49	0.49	0.48	0.47	0.46	0.45	0.44	0.42	0.41	0.40	0.38	EXO-00X
	0.86	0.87	0.87	0.86	0.85	0.84	0.82	0.80	0.78	0.76	0.73	0.70	0.67	EXO-000
	1.73	1.74	1.74	1.73	1.71	1.68	1.64	1.60	1.56	1.51	1.46	1.41	1.35	EXO-001
	2.32	2.34	2.34	2.32	2.29	2.26	2.21	2.15	2.09	2.03	1.96	1.89	1.81	EXO-002
	3.89	3.92	3.91	3.89	3.84	3.78	3.70	3.61	3.51	3.40	3.28	3.16	3.04	EXO-003
	5.89	5.93	5.92	5.88	5.81	5.72	5.60	5.46	5.31	5.14	4.97	4.79	4.60	EXO-004
	9.30	9.36	9.35	9.28	9.17	9.02	8.83	8.62	8.38	8.12	7.84	7.55	7.25	EX2-M/I
50	0.45	0.47	0.47	0.48	0.48	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	EXO-00X
	0.81	0.83	0.84	0.85	0.85	0.85	0.84	0.82	0.81	0.79	0.77	0.75	0.72	EXO-000
	1.62	1.66	1.69	1.70	1.70	1.69	1.67	1.65	1.62	1.58	1.54	1.49	1.45	EXO-001
	2.17	2.23	2.27	2.29	2.29	2.27	2.25	2.21	2.17	2.12	2.07	2.01	1.95	EXO-002
	3.64	3.74	3.80	3.83	3.83	3.80	3.76	3.71	3.63	3.55	3.46	3.36	3.26	EXO-003
	5.51	5.66	5.75	5.79	5.79	5.76	5.70	5.61	5.50	5.38	5.24	5.09	4.93	EXO-004
	8.69	8.93	9.08	9.14	9.14	9.09	8.99	8.85	8.68	8.48	8.27	8.03	7.78	EX2-M/I
40	0.38	0.41	0.43	0.44	0.45	0.45	0.45	0.45	0.45	0.44	0.43	0.42	0.41	EXO-00X
	0.68	0.73	0.76	0.79	0.80	0.81	0.81	0.80	0.80	0.78	0.77	0.75	0.74	EXO-000
	1.37	1.46	1.53	1.57	1.60	1.61	1.62	1.61	1.59	1.57	1.54	1.51	1.47	EXO-001
	1.83	1.96	2.05	2.12	2.15	2.17	2.17	2.16	2.14	2.11	2.07	2.02	1.98	EXO-002
	3.07	3.29	3.44	3.54	3.60	3.63	3.63	3.62	3.58	3.53	3.46	3.39	3.31	EXO-003
	4.65	4.98	5.21	5.36	5.45	5.50	5.50	5.47	5.42	5.34	5.24	5.13	5.01	EXO-004
	7.34	7.86	8.22	8.46	8.61	8.68	8.68	8.64	8.55	8.43	8.27	8.10	7.90	EX2-M/I
30	0.25	0.31	0.35	0.37	0.39	0.41	0.41	0.42	0.42	0.42	0.41	0.41	0.40	EXO-00X
	0.44	0.55	0.62	0.66	0.70	0.72	0.74	0.74	0.74	0.74	0.73	0.72	0.71	EXO-000
	0.88	1.09	1.23	1.33	1.40	1.44	1.47	1.48	1.49	1.48	1.47	1.45	1.42	EXO-001
	1.19	1.47	1.65	1.79	1.88	1.94	1.98	1.99	2.00	1.99	1.97	1.94	1.91	EXO-002
	1.98	2.45	2.77	2.99	3.14	3.25	3.31	3.34	3.34	3.33	3.30	3.25	3.20	EXO-003
	3.00	3.72	4.19	4.53	4.76	4.91	5.01	5.05	5.06	5.04	4.99	4.93	4.84	EXO-004
	4.74	5.86	6.62	7.14	7.51	7.75	7.90	7.98	7.99	7.95	7.88	7.77	7.64	EX2-M/I
20			0.19	0.25	0.30	0.32	0.34	0.36	0.36	0.37	0.37	0.37	0.37	EXO-00X
			0.33	0.45	0.52	0.58	0.61	0.63	0.65	0.66	0.66	0.66	0.65	EXO-000
			0.66	0.90	1.05	1.15	1.22	1.27	1.30	1.31	1.32	1.31	1.30	EXO-001
			0.89	1.21	1.41	1.55	1.64	1.70	1.74	1.76	1.77	1.76	1.75	EXO-002
			1.49	2.02	2.36	2.59	2.75	2.85	2.92	2.95	2.96	2.95	2.92	EXO-003
			2.25	3.06	3.57	3.92	4.16	4.32	4.41	4.46	4.48	4.46	4.43	EXO-004
			3.56	4.83	5.64	6.18	6.56	6.81	6.96	7.05	7.07	7.05	6.99	EX2-M/I
10					0.07	0.18	0.23	0.26	0.28	0.29	0.30	0.31	0.31	EXO-00X
					0.13	0.31	0.40	0.46	0.50	0.52	0.54	0.55	0.55	EXO-000
					0.25	0.62	0.80	0.92	0.99	1.04	1.07	1.09	1.10	EXO-001
					0.34	0.84	1.08	1.23	1.33	1.40	1.44	1.47	1.48	EXO-002
					0.57	1.40	1.80	2.06	2.23	2.34	2.41	2.45	2.47	EXO-003
					0.87	2.12	2.73	3.12	3.38	3.55	3.65	3.71	3.74	EXO-004
					1.37	3.35	4.31	4.92	5.33	5.60	5.77	5.86	5.90	EX2-M/I

EX2 Pulse Modulated Electronic Expansion Valve

EX2: Quick selection (included 1.5 bar pressure drop for liquid line components and distributor)

Condensing temperature [°C]	R513A													Valve/ orifice type
	Capacity [kW]													
	Evaporating temperature [°C]													
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45	
60	0.48	0.48	0.48	0.48	0.47	0.46	0.45	0.43	0.42	0.40	0.39	0.37	0.35	EXO-00X
	0.86	0.86	0.86	0.85	0.83	0.81	0.79	0.77	0.74	0.72	0.69	0.66	0.62	EXO-000
	1.71	1.72	1.71	1.69	1.66	1.63	1.59	1.54	1.49	1.43	1.37	1.31	1.25	EXO-001
	2.30	2.31	2.30	2.27	2.24	2.19	2.13	2.07	2.00	1.92	1.84	1.76	1.68	EXO-002
	3.86	3.87	3.85	3.81	3.75	3.67	3.57	3.46	3.35	3.22	3.09	2.95	2.81	EXO-003
	5.84	5.86	5.83	5.77	5.67	5.55	5.41	5.24	5.06	4.87	4.67	4.46	4.25	EXO-004
	9.21	9.24	9.20	9.10	8.95	8.76	8.53	8.27	7.99	7.69	7.37	7.04	6.70	EX2-M/I
50	0.46	0.48	0.48	0.49	0.48	0.48	0.47	0.46	0.45	0.44	0.43	0.41	0.40	EXO-00X
	0.83	0.85	0.86	0.86	0.86	0.85	0.84	0.82	0.81	0.78	0.76	0.73	0.71	EXO-000
	1.65	1.69	1.72	1.73	1.72	1.70	1.68	1.65	1.61	1.57	1.52	1.47	1.42	EXO-001
	2.22	2.28	2.31	2.32	2.31	2.29	2.26	2.22	2.16	2.11	2.04	1.97	1.90	EXO-002
	3.72	3.81	3.87	3.88	3.87	3.84	3.78	3.71	3.62	3.53	3.42	3.31	3.19	EXO-003
	5.63	5.77	5.85	5.88	5.86	5.81	5.72	5.62	5.49	5.34	5.18	5.01	4.82	EXO-004
	8.88	9.11	9.23	9.27	9.25	9.16	9.03	8.86	8.66	8.42	8.17	7.90	7.61	EX2-M/I
40	0.40	0.43	0.45	0.46	0.47	0.47	0.47	0.47	0.46	0.45	0.44	0.43	0.42	EXO-00X
	0.72	0.76	0.80	0.82	0.83	0.84	0.83	0.83	0.82	0.80	0.79	0.77	0.75	EXO-000
	1.43	1.53	1.60	1.64	1.66	1.67	1.67	1.66	1.64	1.61	1.57	1.54	1.49	EXO-001
	1.92	2.05	2.14	2.20	2.23	2.25	2.24	2.23	2.20	2.16	2.11	2.06	2.01	EXO-002
	3.22	3.44	3.59	3.69	3.74	3.76	3.76	3.73	3.68	3.62	3.54	3.45	3.36	EXO-003
	4.88	5.21	5.43	5.58	5.67	5.70	5.69	5.64	5.57	5.48	5.36	5.23	5.09	EXO-004
	7.70	8.22	8.58	8.81	8.94	8.99	8.98	8.91	8.79	8.64	8.46	8.25	8.03	EX2-M/I
30	0.27	0.33	0.37	0.40	0.42	0.43	0.44	0.44	0.44	0.44	0.43	0.43	0.42	EXO-00X
	0.49	0.59	0.66	0.71	0.74	0.77	0.78	0.78	0.78	0.78	0.77	0.76	0.74	EXO-000
	0.97	1.18	1.32	1.42	1.49	1.53	1.56	1.57	1.57	1.56	1.54	1.52	1.49	EXO-001
	1.31	1.59	1.78	1.91	2.00	2.06	2.09	2.11	2.11	2.09	2.07	2.04	2.00	EXO-002
	2.19	2.66	2.98	3.20	3.35	3.45	3.51	3.53	3.53	3.51	3.46	3.41	3.34	EXO-003
	3.31	4.02	4.51	4.84	5.07	5.22	5.31	5.34	5.34	5.31	5.25	5.16	5.06	EXO-004
	5.22	6.35	7.11	7.64	8.00	8.24	8.37	8.43	8.43	8.37	8.28	8.15	7.99	EX2-M/I
20		0.09	0.22	0.29	0.33	0.36	0.38	0.39	0.40	0.40	0.40	0.40	0.39	EXO-00X
		0.16	0.39	0.51	0.58	0.63	0.67	0.69	0.70	0.71	0.71	0.71	0.70	EXO-000
		0.33	0.79	1.02	1.17	1.27	1.34	1.38	1.41	1.42	1.42	1.41	1.40	EXO-001
		0.44	1.06	1.37	1.57	1.70	1.79	1.86	1.89	1.91	1.91	1.90	1.88	EXO-002
		0.74	1.78	2.29	2.62	2.85	3.00	3.11	3.17	3.20	3.20	3.18	3.15	EXO-003
		1.12	2.69	3.47	3.97	4.32	4.55	4.70	4.79	4.84	4.84	4.82	4.76	EXO-004
		1.77	4.25	5.47	6.27	6.81	7.18	7.42	7.56	7.63	7.64	7.60	7.52	EX2-M/I
10					0.14	0.22	0.27	0.30	0.32	0.33	0.34	0.34	0.35	EXO-00X
					0.26	0.40	0.48	0.53	0.57	0.59	0.61	0.61	0.62	EXO-000
					0.51	0.79	0.96	1.06	1.14	1.18	1.21	1.23	1.23	EXO-001
					0.69	1.07	1.28	1.43	1.53	1.59	1.63	1.65	1.65	EXO-002
					1.15	1.78	2.15	2.39	2.55	2.66	2.73	2.76	2.77	EXO-003
					1.75	2.70	3.26	3.62	3.87	4.03	4.13	4.18	4.19	EXO-004
					2.76	4.26	5.14	5.72	6.10	6.36	6.51	6.59	6.61	EX2-M/I

EX2 Pulse Modulated Electronic Expansion Valve

EX2: Quick selection (included 1.5 bar pressure drop for liquid line components and distributor)

Condensing temperature [°C]	R1234ze				Capacity [kW]								R1234ze				Valve/ orifice type
	Evaporating temperature [°C]																
	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45				
60	0.43	0.43	0.43	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.35	0.34	0.32	EXO-00X			
	0.77	0.77	0.77	0.76	0.75	0.74	0.72	0.70	0.68	0.65	0.63	0.60	0.58	EXO-000			
	1.53	1.54	1.54	1.52	1.50	1.47	1.44	1.40	1.35	1.31	1.26	1.21	1.15	EXO-001			
	2.06	2.07	2.06	2.05	2.02	1.98	1.93	1.88	1.82	1.76	1.69	1.62	1.55	EXO-002			
	3.45	3.47	3.46	3.43	3.38	3.31	3.23	3.15	3.05	2.94	2.83	2.71	2.60	EXO-003			
	5.22	5.25	5.23	5.19	5.11	5.01	4.90	4.76	4.61	4.45	4.29	4.11	3.93	EXO-004			
	8.24	8.28	8.26	8.18	8.07	7.91	7.73	7.51	7.28	7.03	6.76	6.49	6.20	EX2-M/I			
50	0.40	0.41	0.42	0.42	0.42	0.41	0.41	0.40	0.39	0.38	0.37	0.36	0.35	EXO-00X			
	0.71	0.73	0.74	0.74	0.74	0.74	0.73	0.71	0.70	0.68	0.66	0.64	0.62	EXO-000			
	1.41	1.45	1.48	1.49	1.48	1.47	1.45	1.43	1.40	1.36	1.32	1.28	1.24	EXO-001			
	1.90	1.95	1.98	2.00	1.99	1.98	1.95	1.92	1.88	1.83	1.78	1.72	1.66	EXO-002			
	3.18	3.27	3.32	3.34	3.34	3.31	3.27	3.21	3.14	3.06	2.98	2.88	2.78	EXO-003			
	4.81	4.95	5.03	5.06	5.06	5.02	4.95	4.87	4.76	4.64	4.51	4.36	4.21	EXO-004			
	7.60	7.81	7.94	7.99	7.98	7.92	7.82	7.68	7.51	7.32	7.11	6.89	6.65	EX2-M/I			
40	0.33	0.35	0.37	0.38	0.39	0.39	0.39	0.39	0.38	0.38	0.37	0.36	0.35	EXO-00X			
	0.58	0.63	0.66	0.68	0.69	0.70	0.70	0.69	0.68	0.67	0.66	0.64	0.63	EXO-000			
	1.16	1.25	1.31	1.36	1.38	1.39	1.39	1.38	1.37	1.34	1.32	1.29	1.25	EXO-001			
	1.56	1.68	1.77	1.82	1.86	1.87	1.87	1.86	1.84	1.81	1.77	1.73	1.68	EXO-002			
	2.61	2.82	2.96	3.05	3.11	3.13	3.13	3.11	3.08	3.03	2.96	2.89	2.82	EXO-003			
	3.95	4.26	4.48	4.62	4.70	4.74	4.74	4.71	4.66	4.58	4.49	4.38	4.26	EXO-004			
	6.23	6.73	7.07	7.29	7.42	7.48	7.48	7.43	7.35	7.23	7.08	6.91	6.73	EX2-M/I			
30	0.18	0.25	0.29	0.31	0.33	0.34	0.35	0.35	0.35	0.35	0.35	0.34	0.34	EXO-00X			
	0.33	0.44	0.51	0.56	0.59	0.61	0.62	0.63	0.63	0.63	0.62	0.61	0.60	EXO-000			
	0.65	0.88	1.02	1.11	1.18	1.22	1.25	1.26	1.26	1.26	1.24	1.22	1.20	EXO-001			
	0.88	1.18	1.37	1.49	1.58	1.64	1.68	1.69	1.70	1.69	1.67	1.64	1.61	EXO-002			
	1.47	1.97	2.29	2.50	2.65	2.75	2.81	2.83	2.84	2.83	2.80	2.75	2.70	EXO-003			
	2.23	2.98	3.46	3.79	4.01	4.16	4.25	4.29	4.30	4.28	4.23	4.17	4.09	EXO-004			
	3.51	4.71	5.46	5.98	6.33	6.56	6.70	6.77	6.78	6.75	6.68	6.58	6.45	EX2-M/I			
20			0.10	0.19	0.23	0.26	0.28	0.29	0.30	0.31	0.31	0.31	0.30	EXO-00X			
			0.18	0.33	0.41	0.46	0.50	0.52	0.54	0.54	0.55	0.54	0.54	EXO-000			
			0.37	0.66	0.82	0.93	1.00	1.04	1.07	1.09	1.09	1.09	1.08	EXO-001			
			0.50	0.89	1.11	1.25	1.34	1.40	1.44	1.46	1.47	1.46	1.45	EXO-002			
			0.83	1.49	1.85	2.09	2.25	2.35	2.41	2.45	2.46	2.45	2.43	EXO-003			
			1.26	2.26	2.81	3.16	3.40	3.56	3.66	3.71	3.72	3.71	3.68	EXO-004			
			1.98	3.57	4.43	4.99	5.37	5.62	5.77	5.85	5.88	5.86	5.81	EX2-M/I			
1015					0.15	0.20	0.23	0.25	0.26	0.27	0.28	0.28	0.28	EXO-00X			
					0.26	0.35	0.41	0.44	0.47	0.48	0.49	0.50	0.50	EXO-000			
					0.52	0.70	0.81	0.89	0.94	0.97	0.99	0.99	0.99	EXO-001			
					0.70	0.94	1.09	1.19	1.26	1.30	1.32	1.33	1.33	EXO-002			
					1.17	1.58	1.83	2.00	2.11	2.18	2.22	2.23	2.23	EXO-003			
					1.76	2.39	2.77	3.03	3.20	3.30	3.36	3.38	3.38	EXO-004			
					2.78	3.77	4.38	4.78	5.04	5.21	5.30	5.34	5.33	EX2-M/I			

⚠ Warning: R1234ze classified as A2L. Use of product only for non-explosive environment, non ATEX zone.

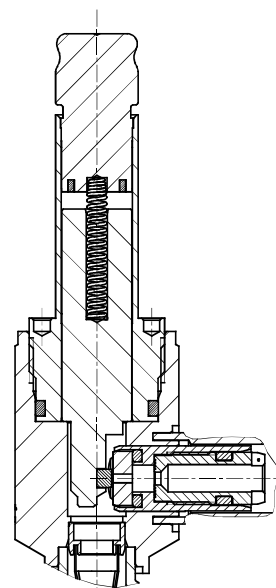
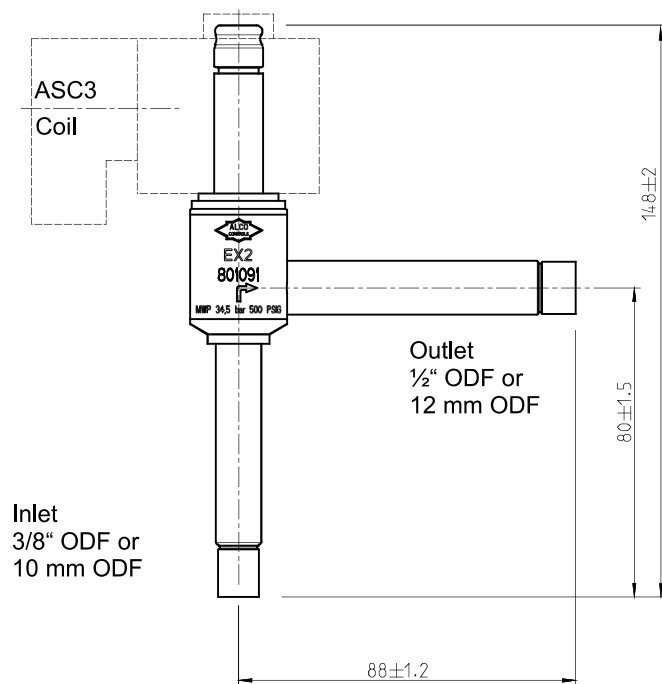
EX2 Pulse Modulated Electronic Expansion Valve

Technical data

MOPD (maximum operating pressure differential)	30 bar
Medium Temperature	-40...+50°C
Maximum Working Pressure PS	40 bar
Test Pressure PT	44 bar

Lifetime with EC2 (pulse cycle time 6 sec)	80 Million cycles life equivalent to 15 yr.
Seat leakage	< 4cc/min. Nitrogen with 10 bar differential pressure
Weight	0.25 kg

Dimensions [mm]



EX2 cross sectional view
(not to scale)