

Liquid Injection Valve Series L

Exchangeable Power Assemblies and Orifices

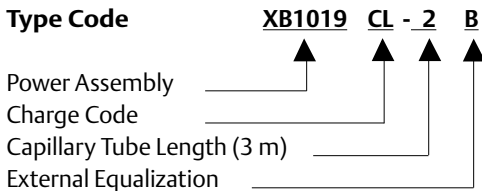
Features

- Applications for Series L valves include superheat control (desuperheating of suction gas i.e., in hotgas bypass systems and interstage cooling in multiple stage compressors)
- Modular design for economical logistics and easy assembly and servicing
- Very good stability is attained because of the large forces generated by the large diaphragm diameter
- High-quality materials and processes for high reliability and long lifetime
- Superior partial load performance due to seat orifice design (LJRE, LERE & LIRE)
- Capillary tube length 3 m
- PS: 46 / 31 bar with XB / XC power assembly
- TS: -45 ... +65°C
- No CE marking according art. 3.3 PED 97/23 EC

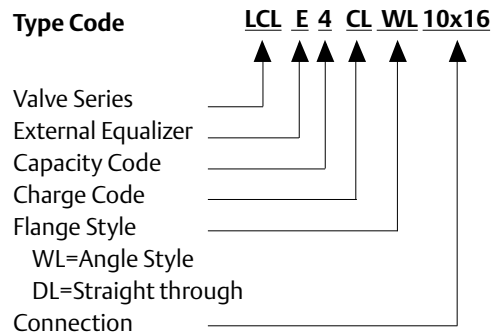


LCLE

Type Code



Type Code



Series	Size code *	Nominal Capacity Q _n kW							Orifice	Connections Standard Flange. Angle Solder/ODF		Power Assembly
		R134a	R404A/ R507	R407C	R448A/ R449A	R450A	R513A	R1234ze		mm	inch	
LCLE	1 *	1.5	1.3	2.1	1.9	1.3	1.3	1.1	X 22440-B1B	C 501 – 5 mm 10 x 16	XB1019...2B	
	2 *	2.9	2.6	4.0	3.7	2.5	2.6	2.2	X 22440-B2B			
	3 *	6.1	5.6	8.5	7.9	5.4	5.5	4.8	X 22440-B3B			
	3.5 *	9.3	8.4	12.9	11.9	8.1	8.3	7.2	X 22440-B3.5B			
	4 *	13.5	12.2	18.7	17.3	11.8	12.1	10.5	X 22440-B4B	C 501 – 7 mm 12 x 16		
	6 *	17.3	15.7	24.0	22.1	15.1	15.5	13.4	X 22440-B5B			
	7 *	23.6	21.5	32.9	30.3	20.7	21.2	18.4	X 22440-B6B			
	9 *	32.0	29.0	44.4	41.0	28.0	28.7	24.8	X 22440-B7B			
LJRE	10 *	37.2	33.8	51.7	47.7	32.6	33.4	28.9	X 22440-B8B	A 576 mm 16 x 22 (22 x 28 ODM)	A 576 5/8 x 3/8 (7/8 x 1 1/8 ODM)	
	11 *	45	40	62	58	40	40	35	X 11873-B4B	10331 22 x 22	10331 3/8 x 3/8 (1 1/8 x 1 1/8 ODM)	
LERE	12 *	57	51	80	74	50	52	45	X 11873-B5B			9153 mm 22 x 22
	13 *	71	63	99	91	62	64	55	X 9117-B6B			
	14 *	81	72	112	104	71	73	63	X 9117-B7B			
	15 *	112	99	155	143	98	100	86	X 9117-B8B			
LIRE	16 *	135	120	188	174	119	121	105	X 9117-B9B	9166 mm 22 x 22	9166 3/8 x 3/8 (1 1/8 x 1 1/8 ODM)	
	17 *	174	154	241	222	152	156	135	X 9166-B10B			

Superheat selection

* Charge Code	Refrigerant				
	R134a	R404A/R507	R407A	R407F	R407C
CL		22 K	22 K	22 K	13 K
GL	15 K	35 K	35 K	35 K	25 K
UL	30 K				40 K

* Please indicate designation character for desired superheat

Nominal capacity (Q_n) is based on the following conditions:

Refrigerant	Evaporating temperature	Condensing temperature	Subcooling
R407C	+4°C dew point	+38°C bubble point/+43°C dew point	1K
R134a, R404A, R507	+4°C	+38°C	
R448A, R449A	+4°C dew point	+38°C bubble / +43°C dew point	
R450A		+38°C bubble / +38.6°C dew point	
R513A, R1234ze		+38°C bubble / +38°C dew point	

Valve selection for other operating conditions see “Correction Tables for Thermo-Expansion Valves Series TI, TX3, TX6, T and L”

Available upon special request

- Power assembly with solder connection for external pressure equalization
- Non-standard connection sizes see last page of this chapter

Spare Parts

	Type	Part No.
Gasket Set for L Series Valves	X 13455 -1	027 579
Service Tool for L Series Valves	X 99999	800 005
Steel screws for following flange types: C501, 9761, 6346, A576 9148, 9149, 9152, 9153, 10331, 10332	Screw ST 32 Screw ST 48	803 573 803 574

Note: Please refer “Alco Navigator” for selection and adjustment guidelines