

# Liquid Injection Valves Series 935

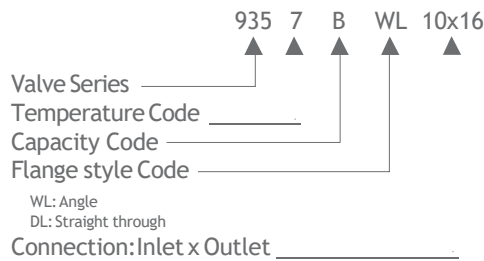
## Exchangeable Power Assemblies and Orifices

### Features

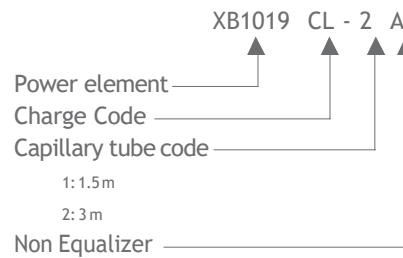
- Modular design for economical logistics and easy assembly and servicing
- Very good stability is attained because of the large forces generated by the large diaphragm diameter
- High-quality materials and processes for high reliability and long lifetime
- Combinations of different charges with various orifice springs cover a very large application range
- Max. allowable pressure PS:
  - 46 bar with XB power assembly
- Medium Temperature Range TS: -45...+65 °C



### Type Code Valve



### Type Code Power Assembly



### Nominal Capacities for Cages

Valve Series	Capacity code*	Nominal Capacity Q <sub>n</sub> (kW)														Orifice Type	Power Element Type
		R134a	R32	R404A / R507	R407C	R410A	R448A / R450A	R454A	R454C	R455A	R513A	R452a	R1234yf	R1234ze			
935- **	A	4.0	9.0	3.8	5.6	6.1	5.2	3.5	5.1	4.3	4.9	3.6	3.9	2.9	3.1	X10-**01	XB1019 - *** - 2A
	B	7.8	17.5	7.4	10.9	11.8	10.1	6.9	9.9	8.3	9.6	7.1	7.6	5.6	6.1	X10-**02	
	C	11.1	24.7	10.3	15.4	16.6	14.2	9.7	14.0	11.6	13.4	9.9	10.8	7.9	8.6	X10-**03	
	D	16.3	36.6	15.6	22.8	24.6	21.0	14.4	20.7	17.3	20	14.7	16.0	11.8	12.8	X10-**04	
	E	22.5	50.2	21.0	31.2	33.7	28.8	19.7	28.4	23.6	27.4	20.2	21.9	16.1	17.5	X10-**05	
	G	32.0	71.5	29.9	44.5	48.1	41.1	28.1	40.5	33.7	39.0	28.8	31.2	23.0	24.9	X10-**06	
	X	46.6	104.2	43.5	64.9	70.0	59.8	40.9	59.0	49.1	56.8	41.9	45.4	33.5	36.3	X10-**07	

* ) Temperature Code	Temperature Range	** ) Spring code	*** ) Charge code
3	-1 ... +17 °C	B	UL
6	+14 ... +38 °C	C	KL
105	+44 ... +70 °C	C	YL
106	+66 ... +94 °C	C	JL
100	+94 ... +121 °C	C	LL

Note: Nominal conditions: Evaporating Temperature +4 °C (dew point), Condensing Temperature +38 °C (bubble point), Subcooling 1 K  
 For selection of other operating conditions, please use "Controls Navigator" selection program.

## Selection Table Power Assembly and Recommended Flanges

Valve Series	Orifice Type	Connection Standard Flange, Angle Style		Connection (inlet x outlet)		Power Element Type
		Type	Type	Metric	Imperial	
935	X 10-*01/ *02/ *03	C501-5 mm		10 X 16 mm ODF		XB1019-***-ZA
			C501-5		3/8" X 5/8 ODF	
	X 10-*04/ *05	C501-7 mm		12x16 mm ODF		
			C501-7		1/2"x5/8" ODF -	
	X 10-*06/ *07	A 576 mm		16x22 mm ODF 22x28 mm ODM		
			A 576		5/8"x7/8" ODF 7/8"x1-1/8" ODM	

## Accessories and Spare Parts

Description	Type	Part No.
Service Tool for T, ZZ, L and 935 Series valves	X 99999	800005
Gasket sets for T, ZZ, L and 935 Series valves	X 13455-1	027579
Steel Screws for flange types: C500, C501, 9761, X6346, X6669, A576	Screw ST 32	803573
Bulb clamp for XB1019	XA 1728-4	803260