

# EXPANSION VALVES (BI-FLOW)

High Volume OEM Item

Type **TCX**



## GENERAL DESCRIPTION

- Application: Heat pump air conditioner
- Note: This Bi-flow expansion valve features flow direction reversibility being suitable for heat pump application.
- Charge: C (Cross) charge
- Max. working pressure:
  - High pressure side: 2.8 MPa {28 kgf/cm<sup>2</sup>}
  - Low pressure side: 1.4 MPa {14 kgf/cm<sup>2</sup>}
- Static superheat: Fixed (Factory setting)
- Superheat change: 5 to 6°C



## VALVE NOMENCLATURE

Catalog No. is decided according to the specifications.

Example:  $\frac{\text{TCX}}{\text{I}} - \frac{2307}{\text{II}} \frac{\text{D}}{\text{III}} \frac{\text{H}}{\text{IV}} \frac{\text{C}}{\text{V}}$

- I : Type..... TCX Bi-Flow Thermostatic expansion valve
- II : Model..... The first and the second digits indicate inlet and outlet pipe size respectively. The last two digits indicate nominal capacity.
- III : Connection..... D-Solder Connection
- IV : Refrigerant..... H = R22
- V : Charge type..... C = C-charge

## TYPE NUMBER SELECTION (SPECIFICATIONS)

Catalog No.					Capacity (U.S.R.T.) {kW}	Connection			Capil. Tube Length (mm)	Wt. (kg)
Type	Model	Connection	Refrigerant	Charge		R22	Inlet	Outlet		
TCX-	2307	D (Solder)	H (R22)	C	1.0 {3.52}	φ 6.34	φ 8.13	φ 3.3	φ 2.4 × 500	0.13
	2310				1.6 {5.63}					
	2315				2.4 {8.44}					
	2320				3.2 {11.3}					

Capacity: Based on condensing temp. 38°C and evaporating temp. 5°C.

## DIMENSIONS

