



100RB 2S3VLC

# 100RB SERIES REFRIGERANT SOLENOID VALVES

The 100RB is a direct-acting, 2-way, normally closed valve used for liquid or discharge gas refrigerant service.

**FEATURES**

- Single coil family fits all valve sizes
- Extended ends for easy installation (standard)
- PTFE O-ring for superior external sealing
- SAE or ODF connection sizes in 1/4" and 3/8" or 1/4" NPTF
- Field serviceable parts available

**SPECIFICATIONS**

Maximum Fluid Temperature..... 250°F (121°C)  
 Maximum Working Pressure..... 500 psig (35 bar)  
 Maximum Operating Pressure Differential ..... 300 psig (21 bar)  
 UL/CUL File Number ..... MP604  
 Canadian CRN ..... 0C21506.513467890YTN

**MODEL NUMBER NOMENCLATURE** - Example: 100RB 2F2VLC

VALVE SERIES	PORT SIZE	CONNECTION TYPE	CONNECTION SIZE	*COIL	SEQUENTIAL IDENTIFIER	CUSTOMER SPECIAL	PACK TYPE
100RB	2	F	2	VLC			
Direct-Acting Refrigerant Solenoid Valves	In 1/16"	F = SAE S = ODF Extended Ends P = NPTF	In 1/8" Increments	VLC = Valve Less Coil  For Valves with Coil See Coil Nomenclature on Coil Catalog Page	Blank Thru -99	G = Customer Special  (Omit for Standard)	B1 = Bulk Pack  (Omit for Individual Pack)

\* Valves in catalog are shipped without solenoid coils (VLC = Valve Less Coil). See coil pages for coil selection and a complete list of voltage options.

**100RB SERIES REFRIGERANT SOLENOID VALVES**

PORT SIZE (IN)	CONNECTION SIZE & TYPE	NOMINAL LIQUID CAPACITY -TONS (kW)							MODEL NUMBER	ITEM NUMBER
		R-22	R-134a	R-290	R-404A / R-507	R-407C	R-448A / R-449A	R-450A / R-513A		
1/8	1/4" SAE	1.3 (4.5)	1.0 (3.4)	1.3 (4.5)	0.9 (3.0)	1.2 (4.3)	1.3 (4.5)	0.9 (3.1)	100RB 2F2VLC	047500
	1/4" NPTF								100RB 2P2VLC	047502
	1/4" ODF								100RB 2S2VLC	047503
	3/8" SAE								100RB 2F3VLC	047501
	3/8" ODF								100RB 2S3VLC	047504
	1/2" ODF								100RB 2S4VLC	047505

NOTE: Capacities based on 100°F liquid and 40°F saturated evaporator per ARI standard 760-87.



Detailed product drawings

Extended capacity tables



**EXPLODED VIEW & PARTS KIT DATA**

**100RB SERIES PART KITS**

DESCRIPTION	MODEL NUMBER	ITEM NUMBER
Valve Repair Kit (K)	KS-30112	049191
Universal (2/3 hole) spanner wrench	X-11981-1	027451
Parts Kit (Contains 12 pieces each of PTFE and neoprene O-rings)	KG-10041	054812
Magnetic Solenoid Tool opens a normally closed solenoid valve in the de-energized state, incorporates a spanner wrench for easy disassembly of solenoid valve series 100RB, 200RB, 240RA and provides an orifice to manually adjust opening stem.	SOLENOID TOOL	066019

**VALVE REPAIR KIT**

(K) indicates part is supplied in valve repair kit.

