

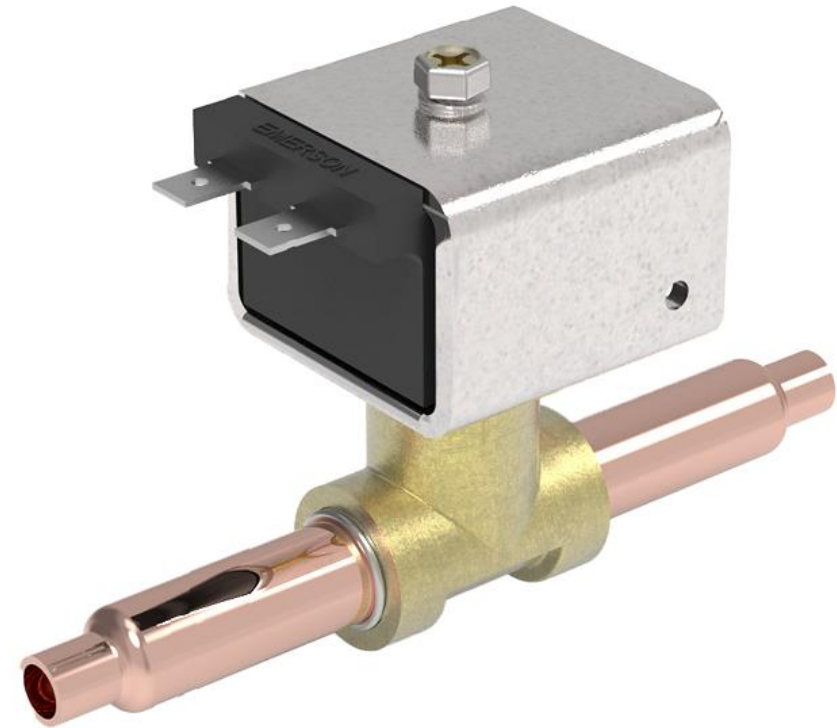
# 150 RB Solenoid Valve, Sales Overview

White-Rodgers



# Why The New 150RB Design

- Why did WR design the 150RB to replace the 100RB and 200RB?
  - Sustainability
    - Compatible with new existing and new A2L refrigerants
  - Complexity
    - Mix and Match of 4 bodies and 3 coil configurations reduces the number of part numbers required in inventory
  - Efficient Design
    - Efficient Design increases competitiveness in the market



# 150 RB Series Solenoid Valves

## Design Overview

- The 150 RB Series is a pilot-operated, 2 way, normally closed valve used for liquid discharge, or suction gas refrigerant applications

### Features

- All hermetic design for leak-free service
  - Removed threads and PTFE O-ring
- Brass forged body with copper connections
  - Removed resistance weld
- Compact valve and coil footprint
- Four port sizes
- Three basic coil configurations with 24/120/208/240 vac options
  - Reduced power consumption from 12 Watts to 9 Watts

### Sustainable Refrigerants

- Compatible with all common A1, A2L, and A3 refrigerants (see spec sheet for detail)

### Specifications:

Coil Voltage (vac): 24, 120, 208-240,

NOTE: 60 Hz only (Americas Market)

Max Working Pres (MWP): 1305 psig (90 bar)

Max Operating Differential (MOPD): 300 psig (21 bar)

# Liquid Capacity Sizes and Coil

Model Number	Item Number	Conn. Size	Nominal Liquid Capacity Tons (kW)											
		ODF	R-22	R-1234yf	R-134a	R-290	R-404A R-507	R-410A	R-448A R-449A	R-454A	R-454C	R-455A	R-513A R-450A	R-744
150RB 1T2VLC-01	1788320	1/4"	1.3 (4.5)	0.7 (2.5)	1.0 (3.4)	1.3 (4.5)	0.9 (3.0)	1.2 (4.3)	1.3 (2.5)	1.2 (4.3)	1.0 (3.5)	1.0 (3.6)	0.9 (3.1)	2.9 (10.1)
150RB 3T3VLC-01	1847975	3/8Z"	3.6 (12.7)	2.0 (7.2)	2.7 (9.6)	3.8 (13.4)	2.3 (8.2)	3.4 (11.9)	3.6 (12.7)	3.3 (11.8)	2.8 (9.8)	2.9 (10.3)	2.5 (8.7)	8.2 (28.7)
150RB 7T3VLC-01	1847983	3/8"	4.8(16.9)	2.7(9.5)	3.6 (12.7)	5.0(17.6)	3.1 (10.9)	4.5 (15.8)	4.8 (17.0)	4.5 (15.7)	3.7 (13.1)	3.9 (13.7)	3.3 (11.6)	10.9 (38.2)
150RB 9T3VLC-01	1847991	3/8"	8.0 (28.0)	4.5 (15.8)	6.0 (21.1)	8.3 (29.2)	15.1 (18.0)	7.5 (26.4)	8.0 (28.1)	7.4 (26.0)	6.2 (21.7)	6.5 (22.8)	5.5 (19.3)	18.0 (63.3)

## Coils for the 150 RB

Model Number	Item Number	Coil Series	Voltage	Watts	Enclosure Type	Leads
DRMS 1-01	1848003	DRMS	24 VAC	17 Watts	Open Frame with 0.25" Spade Connections	n/a
DRMS 2-01	1848011		120 VAC			
DRMS 3-01	1848020		208/240 VAC			
DRMF 1-01	1848038	DRMF	24 VAC		Open Frame with Leads	18"
DRMF 2-01	1848046		120 VAC			18"
DRMG 1-01	1869816	DRMG	24 VAC		Junction Box	18"
DRMG 2-01	1869808		120 VAC			18"

# Cross Reference for the 150 RB

Emerson Model Cross Reference	
From 100RB/200RB	To 150 RB
100RB 2	150RB 1
200RB 2	150RB 3
200RB 3	150RB 7
200RB 4	150RB 9

Emerson Model Cross Reference		
Emerson 150RB	Danfoss	Sporlan
150RB 1	EVU2, EVR2	E3
150RB 3	EVU5, EVR3	E6
150RB 7	EVU6, EVR4	E9
150RB 9	EVR6	E10