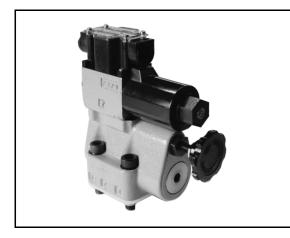
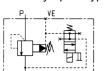
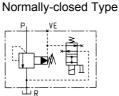
# SOLENOID-OPERATED RELIEF VALVE (HRD)

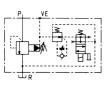


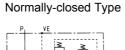
 Without Shockless Valve Normally-open Type





 With Shockless Valve Normally-open Type





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## MODEL DESIGNATION

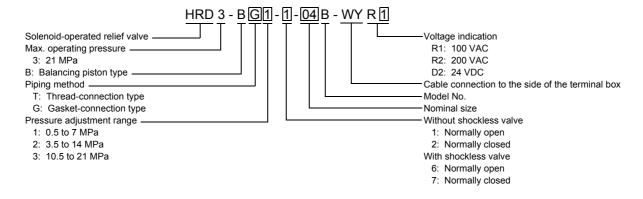
This type of valve consists of a relief valve and a solenoid valve installed at the vent port (VE) of the relief valve, assembled in one unit. It operates as a relief valve and, at the same time, enables unloading operation by opening/closing the vent port.

#### **FEATURES**

- 1. Since an oil-immersed solenoid is used the plunger operates in the fluid, alleviating knocking sounds and ensuring quiet valve operation.
- 2. External oil leakage is eliminated, even after a long time in use, since the valve has no sliding seal parts.
- 3. Wiring work is simplified.
- 4. Dust- and water-proof levels are IP65 in accordance with IEC standards.
- 5. A grounding terminal is standard (AC only).
- 6. Permissible back pressure considerably increased.
- A shockless valve that reduces the surge pressure generated at unloading is standard.
- 8. Surge killer is standard.
- 9. CE compatible product

Solenoid valve model

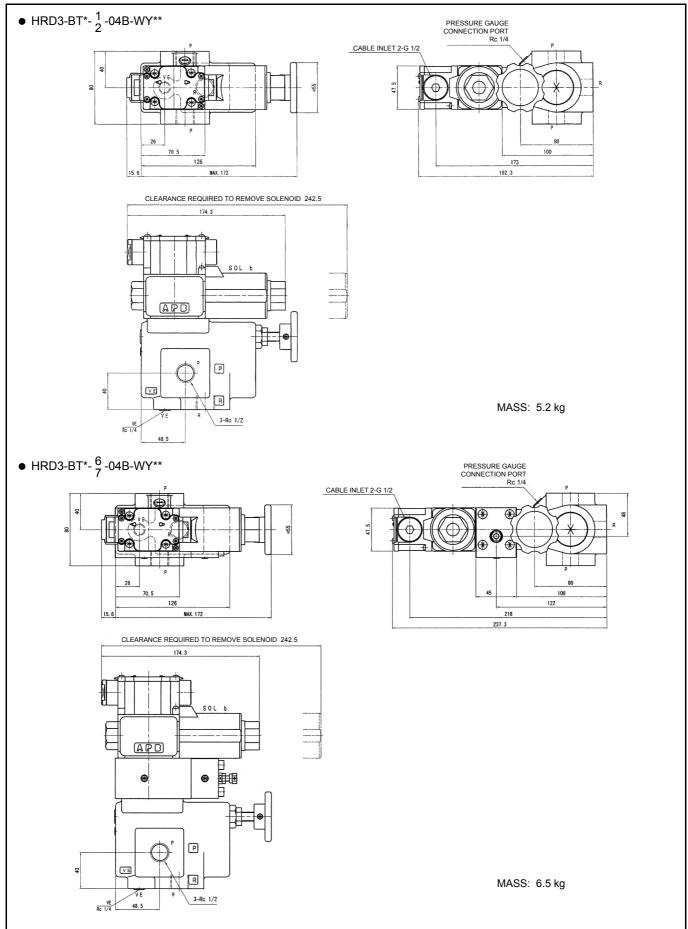
- For normally-open type
  100 VAC: HRD3-1-B-WYR1-P
  200 VAC: HRD3-1-B-WYR2
- 200 VAC: HRD3-1-B-WYR2 24 VDC: HRD3-1-B-WYD2-P
- For normally-closed type
- 100 VAC: HRD3-2-B-WYR1-P
- 200 VAC: HRD3-2-B-WYR2-P
- 24 VDC: HRD3-2-B-WYD2-P
- The solenoid characteristics are the same as those of HD3-\*\*-\*\*\*-025B-WY\*\* shown on page 93.
- The maximum permissible back pressure at the R port is 7 MPa.
- If subplate SHR\*\*\_\*\*T\*(A) (page 304) is necessary, please order one separately.

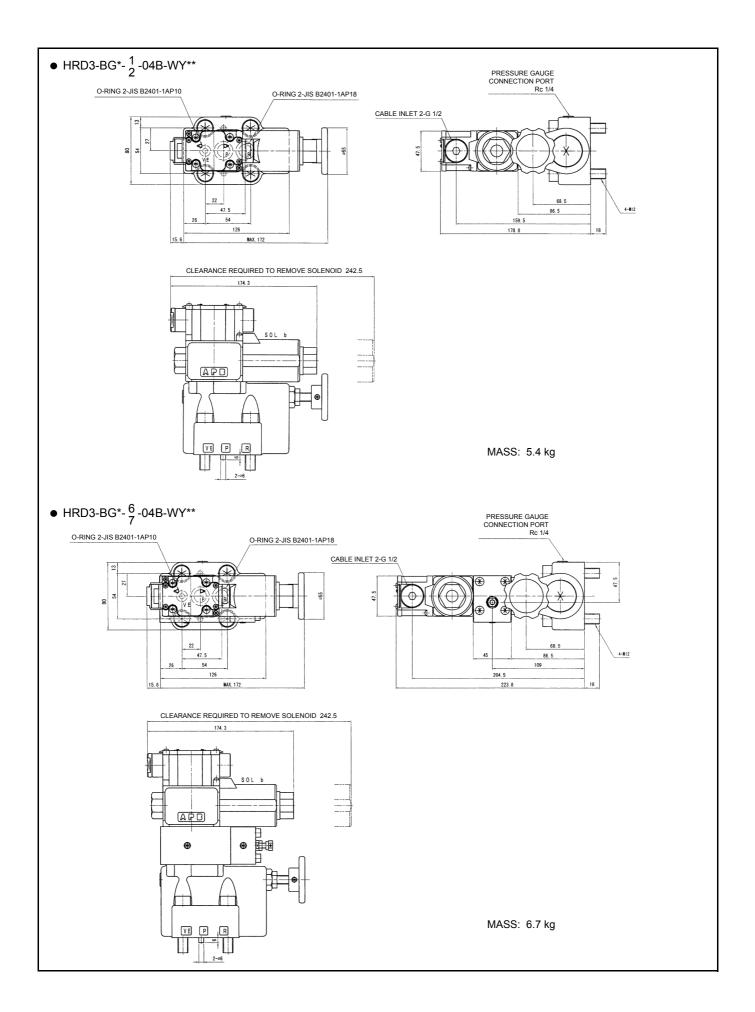


#### **SPECIFICATIONS**

Nominal Size	Rated Flow (L/min)	Max. Operating Pressure (MPa)	Pressure Adjustment Range (MPa)	Model	
				Thread-connection Type	Gasket-connection Type
04	40	21	1: 0.5 to 7 2: 3.5 to 14 3: 10.5 to 21	HRD3-BT*-*-04B-WY**	HRD3-BG*-*-04B-WY**
06	120			HRD3-BT**-06B-WY**	HRD3-BG*-*-06B-WY**

### **EXTERNAL DIMENSIONS**





### **EXTERNAL DIMENSIONS**

