Direct operated relief valve

JIS symbols

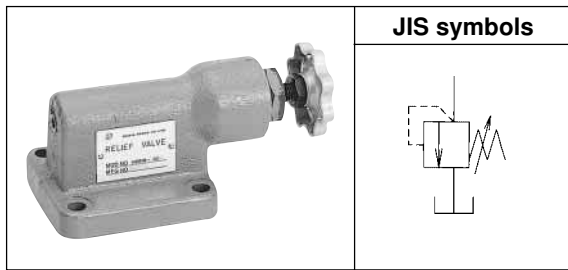## Features

- As the override pressure is small, this valve has an almost equivalent performance to a pilot operated type.
- The vibration proof structure makes it possible to prevent chattering even in high pressure.

Nomenclature

```
  *  -  HDRIR  -  *  02  -  *
 [1]    [2]      [3][4]    [5]
```

(1) Nomenclature of applied fluid
No mark : Working oil with petroleum contents,
            Working oil with water/glycol contents
F   : Working oil with phosphoric acid ester

(2) Model No.
HDRIR   : H series direct operating relief valve

(3) Connections
G : Gasket attached type
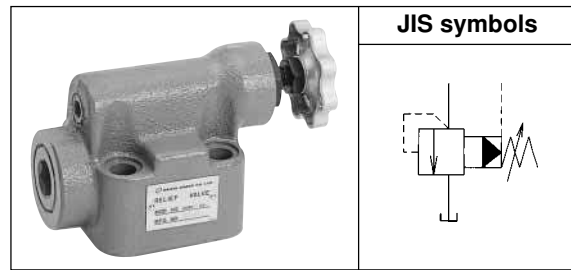T : Screw connection type

(4) Nominal diameter
02 : 1/4

(5) Pressure adjusting range
1 : 0.9~7MPa {9~70kgf/cm²}
3 : 3.5~21MPa {35~210kgf/cm²}

Specifications

Model code	Nom. Dia.	Pressure adjusting range MPa {kgf/cm²}	Max. flow rate L/min	Weight kg
HDRIR-G02-1		0.9~7 {9~70}		2.6
HDRIR-G02-3	1/4	3.5~21 {35~210}	12	
HDRIR-T02-1		0.9~7 {9~70}		1.8
HDRIR-T02-3		3.5~21 {35~210}		

Pilot operated relief valve

JIS symbols

Features

- The broad flow rate range enables the steady pressure control and this valve actuates as a safety valve.
- If a remote control relief valve is connected to a vent port, the main circuit pressure can be controlled by a remote controller.
- This valve will have a function of an unloading valve, if a vent port is used.
- Option for high vent type is available.

Nomenclature

```
  *  -  HDRI  -  *  03  -  *  *
 [1]    [2]     [3][4]    [5][6]
```

(1) Nomenclature of applied fluid
No mark : Working oil with petroleum contents,
            Working oil with water/glycol contents
F   : Working oil with phosphoric acid ester

(2) Model No.
HDRI   : H series pilot operated relief valve

(3) Connections
G : Gasket attached type
T : Screw connection type

(4) Nominal diameter
03 : 3/8

(5) Pressure adjusting range
1 : 0.5~7MPa {5~70kgf/cm²}
3 : 3.5~21MPa {35~210kgf/cm²}

(6) Vent mark
No mark : Low vent type
V   : High vent type

Specifications

Model code	Nom. Dia.	Pressure adjusting range MPa {kgf/cm²}	Max. flow rate L/min	Weight kg
HDRI-G03-1		0.5~7 {5~70}		3.5
HDRI-G03-3	3/8	3.5~21 {35~210}	30	
HDRI-T03-1		0.5~7 {5~70}		2.9
HDRI-T03-3		3.5~21 {35~210}		