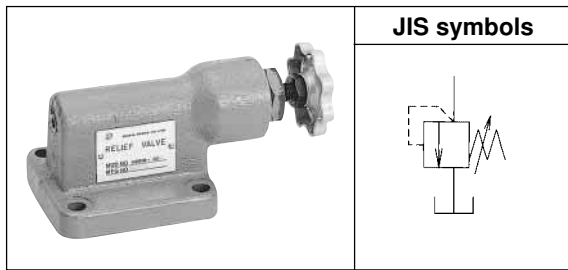


## Direct operated relief valve



### 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

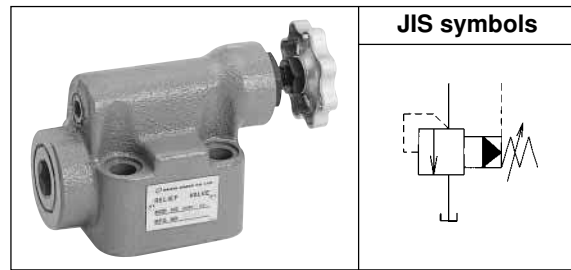
#### (5) Pressure adjusting range

1 : 0.9~7MPa {9~70kgf/cm<sup>2</sup>}  
3 : 3.5~21MPa {35~210kgf/cm<sup>2</sup>}

### Specifications

Model code	Nom. Dia.	Pressure adjusting range MPa {kgf/cm <sup>2</sup> }	Max. flow rate L/min	Weight kg
HDRIR-G02-1	1/4	0.9~7 {9~70}	12	2.6
HDRIR-G02-3		3.5~21 {35~210}		
HDRIR-T02-1		0.9~7 {9~70}		1.8
HDRIR-T02-3		3.5~21 {35~210}		

## Pilot operated relief valve



### 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/cm<sup>2</sup>}  
3 : 3.5~21MPa {35~210kgf/cm<sup>2</sup>}

#### (6) Vent mark

No mark : Low vent type  
V : High vent type

### Specifications

Model code	Nom. Dia.	Pressure adjusting range MPa {kgf/cm <sup>2</sup> }	Max. flow rate L/min	Weight kg
HDRI-G03-1	3/8	0.5~7 {5~70}	30	3.5
HDRI-G03-3		3.5~21 {35~210}		
HDRI-T03-1		0.5~7 {5~70}		2.9
HDRI-T03-3		3.5~21 {35~210}		