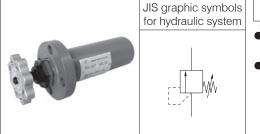
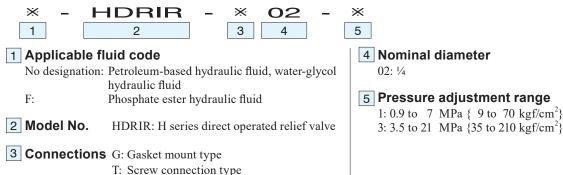
https://www.daikinpmc.com/en/ For latest information, PDF catalogs and operation manuals

Direct Operated Relief Valve



- **Features**
- As the override pressure is small, this valve has almost equivalent performance to a pilot operated type.
- The vibration proof structure prevents chattering even in the high pressure range.

Nomenclature



4 Nominal diameter

5 Pressure adjustment range

1: 0.9 to 7 MPa { 9 to 70 kgf/cm²}

Specifications

	Nominal diameter	rande	Maximum flow rate L/min	Mass kg
HDRIR-G02-1	1/4	0.9 to 7 { 9 to 70}	- 12	2.6
HDRIR-G02-3		3.5 to 21 {35 to 210}		
HDRIR-T02-1		0.9 to 7 { 9 to 70}		1.8
HDRIR-T02-3		3.5 to 21 {35 to 210}		

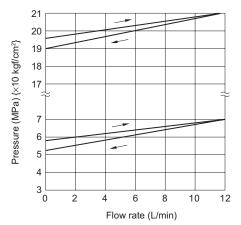
Model code	Pressure change MPa {kgf/cm²} per handle revolution	
HDRIR-*02-1	1.9 {19}/revolution	
HDRIR-*02-3	5.3 {53}/revolution	

Handling

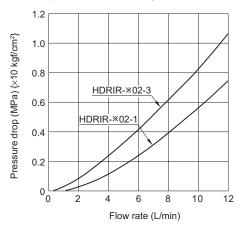
- Directly connect the tank piping of the valve to the tank without merging it with other tank piping.
- These valves can be used for remotely controlling pilot operated pressure control valves with a nominal diameter of 2 or larger. Since excessive internal volume of the pilot piping may lead to vibration, use steel pipes with an inner diameter of 4 mm maximum and with thick walls for this piping.
- The valves (gasket mount type) do not come with bolts or O-rings. To fit them to direct manifolds, use O-rings conforming to JIS B 2401 1B P18 and M10 \times 30 bolts (tightening torque: 50 to 60 N \cdot m {500 to 600 kgf \cdot cm}).

Performance curves (viscosity: 32 mm²/s {cSt})

Flow rate - Pressure characteristics



Pressure drop characteristics (with the handle fully open)

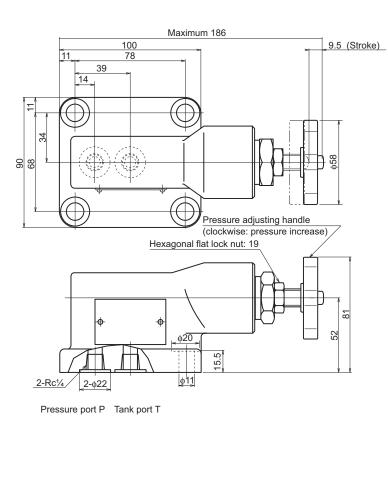


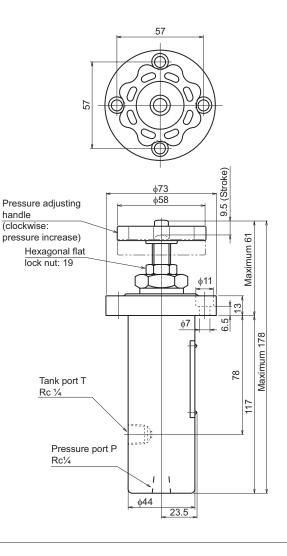
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External dimension diagram

HDRIR-G02

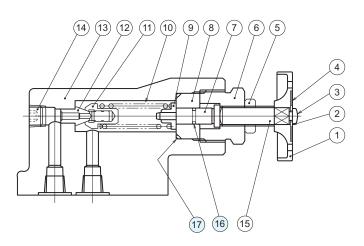
HDRIR-T02





Sectional structural diagram

HDRIR-G02



Sealing	part tab	le
Seamy	ματιαρ	IС

	Part No.	Name	Quantity	Part specifications	
				HDRIR-G02	HDRIR-T02
	16	O-ring	1	JIS B 2401 1AP7	JIS B 2401 1AP7
	17	O-ring	1	JIS B 2401 1AG25	JIS B 2401 1AG25