

Inline check valve



JIS symbols



Features

- Since when it is built in the line, if its reaches a clacking pressure, it lets a check valve push to open and flow oil to one direction, preventing a reverse stream.

Nomenclature

* - **HDIN** - * ** - **

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 ★1

(2) Model No.

HDIN : J series inline check valve

(3) Connections

T : Screw connections
F : Flange connection

(4) Nominal diameter

03 : 3/8
06 : 3/4
10 : 1¹/₄
12 : 1¹/₂
16 : 2
24 : 3

(5) Clacking pressure mark ★2

05 : 0.05MPa {0.5kgf/cm²}
45 : 0.45MPa {4.5kgf/cm²}

Note) ★1 "F" is not necessary even for phosphoric acid ester oil in case of a screw connection.

★2 Regarding clacking pressure except above mentioned pressure, refer to clacking pressure tables.

(5) : Clacking pressure table

Mark	0	01	015	02	10	12	15	20	25	30	35	56	60	90
Model No.	Clacking pressure MPa {kgf/cm ² }													
	0 {0}	0.01 {0.1}	0.015 {0.15}	0.02 {0.2}	0.1 {1}	0.12 {1.2}	0.15 {1.5}	0.2 {2}	0.25 {2.5}	0.3 {3}	0.35 {3.5}	0.56 {5.6}	0.6 {6}	0.9 {9}
HDIN-T03	○	—	—	○	○	—	○	○	—	—	○	○	○	○
HDIN-T06	○	—	○	○	○	—	○	○	—	—	○	○	○	○
HDIN-F06	○	—	○	○	○	—	○	○	—	—	○	○	○	○
HDIN-T10	○	—	—	○	○	○	○	○	○	○	○	—	○	—
HDIN-F10	○	—	—	○	○	○	○	○	○	○	○	—	○	—
HDIN-F12	○	—	—	—	○	—	○	○	—	—	○	—	—	—
HDIN-F16	○	—	—	○	○	—	○	○	○	—	○	—	○	—
HDIN-F24	○	○	—	—	○	—	—	○	—	—	○	—	—	—

Specifications

Model code	Nom. Dia.	Max. operating pressure MPa {kgf/cm ² }	Max. flow rate L/min	Weight kg
HDIN-T03-**	3/8	21 {210}	30	0.3
HDIN-T06-**	3/4		75	0.7
HDIN-F06-**			3.2	
HDIN-T10-**	1 ¹ / ₄		190	2.7
HDIN-F10-**			6.9	
HDIN-F12-**	1 ¹ / ₂		240	13
HDIN-F16-**	2		370	16
HDIN-F24-**	3		1060	43

Note) The weight of flange connection type (F) includes flange and bolts.