



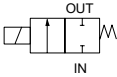
Direct acting 2 port solenoid valve for heavy oil

LLO Series

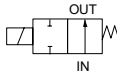
- NC (normally closed) type, NO (normally open) type
- Working fluid: heavy oil
- Port size: Rc1/2, Rc3/4

JIS symbol

- NC (normally closed) type



- NO (normally open) type



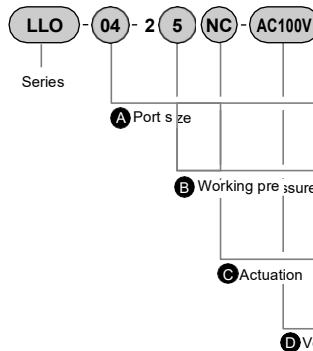
Valve for high viscosity fluids such as heavy oil A, B and C, etc.

- Lever type direct acting
- Quick response
- Large flow rate type
- 3 types according to working fluid pressure

Specifications

Descriptions	LLO-04-25	LLO-06-25	LLO-04-210	LLO-06-210	LLO-04-221	LLO-06-221
Working fluid (fluid temperature °C)	Heavy oil A (0 to 110), Heavy oil B (0 to 110), Heavy oil C (45 to 110)					
Port size	Rc1/2	Rc3/4	Rc1/2	Rc3/4	Rc1/2	Rc3/4
Orifice mm	9.0		6.5		4.5	
Cv flow factor	1.8		1.2		0.65	
Working pressure range MPa	0 to 0.5		0 to 1.0		0 to 2.1	
Withstanding pressure (water pressure) MPa	5					
Maximum cycle rate Cycle/min.	10					
Fluid viscosity mm ² /s	300 or less					
Ambient temperature °C	0 to 60					
Valve seat leakage cm ³ /H	1 or less (Heavy oil B 65°C)					
Installation attitude	Limited to vertical installation placing coil top.					
Electrical specifications						
Rated voltage	100 VAC 50/60, 200 VAC 50/60Hz					
Apparent power	Holding	75				
	Starting	360				
Insulation class	H					

How to order



Symbol	Descriptions
A Port size	
04	Rc1/2
06	Rc3/4
B Working pressure range	
5	0 to 0.5MPa
10	0 to 1MPa
21	0 to 2.1MPa
C Actuation	
NC	NC (normally closed) type
NO	NO (normally open) type
D Voltage	
AC100V	100 VAC 50/60Hz
AC200V	200 VAC 50/60Hz

HNB/G

USB/G

FAB/G

FGB/G

FVB

FWB/G

FHB

FLB

AB

AG

AP/AD

APK/ADK

For dry air

Explosion proof

HVB/HVL

SAB/SVB

NP/NAP/NVP

CHB/G

MXB/G

Other G.P. systems

PD/FAD/PJ

CV/E/CVSE

CPE/CPD

Medical analysis

Custom order

For heavy oil

Direct acting 2 port solenoid valve