

Change-over valve Maxilube

For single-line, dual-line and progressive systems

The SKF Lincoln Maxilube is a robust change-over valve unit assembly for dual-line, single-line or progressive systems. Since the valve assembly is air operated it is mainly used with air operated barrel pumps like MPB.

In single-line and progressive systems the change-over valve assembly will function as a channel valve up to two channels.

Full aluminum body incorporates air operated solenoid valves, cartridge type grease valves, terminals and pressure gauges.

Maxilube is often delivered with integrated IF-105 control but it can be also controlled with DCS or external control center.

A versatile IF-105 control unit can control dual-line, single-line, progressive or spray systems up to two channels including spray system's air control. It can also utilize information from end-of-line pressure switches/transmitters, level switch of barrel, external channel valves and metering device sensors. In addition it can be remotely monitored via Online control software or remotely controlled via SMS alarm system.



Maxilube with MPB pump and pneumatic shut-off valves.

Features and benefits

- Robust and well protected change-over valve assembly
- Includes all necessary valves for dual-line and air operated pump operations
- Integrated channel valves for single-line and progressive use with two channels
- Suitable for lubricants up to NLGI 2
- Compatible with MPB pump and Dualset pumping stations
- Available with integrated IF-105 control unit

Applications

- Pulp and paper industry
- Mining industry
- Steel industry
- Other heavy industries



Technical data

Function principle	change-over valve
Operating temperature	0 to +50 °C, +32 to +122 °F
Operating pressure	max. 300 bar, 4 350 psi
Pressure	2,0 to 4,5 bar,
air supply	29 to 65 psi
Air flow	max. 300 l/min
Lubrication pipes	12 mm, (1/2 in.)
Control voltage	24 V DC
Air supply	8 mm push in connector
Lubricant	grease: up to NLGI 2 oil: 5 000 mm ² /s
Level switch	M12 connector
Protection class	IP65
Dimensions (w x h x d)	279 x 420 x 244 mm
Mounting position	vertical

IF-105 integrated control

Lubrication channels	Up to 2
Supply voltage	115 / 230 V AC 50/60 Hz
M12 connectors	2 pcs for pressure transmitters/switches (4 pcs), 2 pcs for channels valves
Alarm output	Relay contact 1pcs (potential-free)
Interlock inputs	2 pcs
Standards	EMC EN61000-6-4, EN61000-6-2 Electrical safety standards EN61010-1
Alarms	Low level, pressure, divider pulse, spray air, doser monitor, dualset
Remote comm.	SKF Online or E-SMS-C

NOTE

Further technical information, about
MPB pump - **PUB LS/P8 17178/2 EN**
E-SMS-C - **PUB LS/P8 18265 EN**
Dualset - **PUB LS/P8 18528 EN**

Identification code

MAX

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Product series

MAX = Maxilube change-over valve

Number of channels

1 = one channel to control
2 = two channels to control

Number of lines

1 = single-line or progressive system
2 = dual-line system

Power supply

24 = 24 V control voltage if external control is used
115 = power input 115 V
230 = power input 230 V

User interface

IF105 = user interface
X = external control

Lubricant outlets

R = ø 12 mm
U = ø 1/2 in (12.7 mm)

Version marking

V2 = Version number, current version is 2

Item number	Designation	Description
12371171	MAX-1-2-230-IF105-R-V2	One-channel, dual-line, 230 V AC, with control, ø 12 mm pipe outlets
12371501	MAX-1-2-230-IF105-U-V2	One-channel, dual-line, 230 V AC, with control, ø 1/2" pipe outlets
12371041	MAX-1-2-115-IF105-R-V2	One-channel, dual-line, 115 V AC, with control, ø 12 mm pipe outlets
12371371	MAX-1-2-115-IF105-U-V2	One-channel, dual-line, 115 V AC, with control, ø 1/2" pipe outlets
12371175	MAX-1-2-24-IF105-R-V2	One-channel, dual-line, 24 V DC, with control, ø 12 mm pipe outlets
12371231	MAX-2-2-230-IF105-R-V2	Two-channel, dual-line, 230 V AC, with control, ø 12 mm pipe outlets
12371561	MAX-2-2-230-IF105-U-V2	Two-channel, dual-line, 230 V AC, with control, ø 1/2" pipe outlets
12371101	MAX-2-2-115-IF105-R-V2	Two-channel, dual-line, 115 V AC, with control, ø 12 mm pipe outlets
12371431	MAX-2-2-115-IF105-U-V2	Two-channel, dual-line, 115 V AC, with control, ø 1/2" pipe outlets
12371141	MAX-1-1-230-IF105-R-V2	One-channel, single-line or progressive, 230 V AC, with control, ø 12 mm pipe outlets
12371471	MAX-1-1-230-IF105-U-V2	One-channel, single-line or progressive, 230 V AC, with control, ø 1/2" pipe outlets
12371011	MAX-1-1-115-IF105-R-V2	One-channel, single-line or progressive, 115 V AC, with control, ø 12 mm pipe outlets
12371341	MAX-1-1-115-IF105-U-V2	One-channel, single-line or progressive, 115 V AC, with control, ø 1/2" pipe outlets
12371201	MAX-2-1-230-IF105-R-V2	Two-channel, single-line or progressive, 230 V AC, with control, ø 12 mm pipe outlets
12371531	MAX-2-1-230-IF105-U-V2	Two-channel, single-line or progressive, 230 V AC, with control, ø 1/2" pipe outlets
12371071	MAX-2-1-115-IF105-R-V2	Two-channel, single-line or progressive, 115 V AC, with control, ø 12 mm pipe outlets
12371401	MAX-2-1-115-IF105-U-V2	Two-channel, single-line or progressive, 115 V AC, with control, ø 1/2" pipe outlets
12371271	MAX-1-2-24-X-R-V2	One-channel, dual-line, 24 V DC, no control, ø 12 mm pipe outlets
12371601	MAX-1-2-24-X-U-V2	One-channel, dual-line, 24 V DC, no control, ø 1/2" pipe outlets

SKF Lubrication Systems

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