

**LV-0126NM-LF
FRONT CLOSING VALVE**

OPERATING MANUAL



Controller, stand and pressure reservoir not included



I&J FISNAR INC.

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INSTRUCTIONS

OPERATION

The LV-0126NM-LF is a high pressure, front closing dispensing valve. The valve is opened and closed by applying compressed air to the piston on top of the valve. In the air section you will find two air ports. The port closest to the center of the valve is air to open, and the port closest to the end of the valve is air to close.

Fluid is supplied to the valve through the female port in the stainless steel fluid section. Once the valve is connected to the fluid and air supply, it is ready to operate. First apply approximately 40 PSI to the air piston and cycle the valve. You will be able to see and hear the piston move. If the piston does not cycle, apply more air pressure, but do not exceed 100 PSI. If the piston still does not cycle, loosen the packing nut, cycle the valve, then retighten the nut. When the piston is cycling properly, apply fluid pressure and shift the valve open. Keep the valve open until all the air has been purged out of the system and the flow of material is consistent. Cycle the valve several times to make sure it closes and stops the flow of material without dripping.

ADJUSTMENT

The LV-0126NM-LF has a stroke adjuster and a locking nut at the rear end of the valve. This allows the user to adjust the flow of material through the valve by limiting the travel of the piston. Turning the adjuster clockwise will decrease the flow and counter-clockwise will increase the flow. If the stroke adjuster is turned all the way down, it will stop the flow of material entirely. Once the desired flow has been achieved, tighten the lock nut.

MAINTENANCE

It is important that the valve is run with clean, dry, lubricated air. This will keep the air piston in good working order. It is also important that the packing nut is lubricated with a light oil by filling the chamber inside the packing nut with light oil. The oil will coat the valve needle and lubricate the packing. If material should begin to leak from the packing nut, it can be tightened to improve the seal.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE
Material leaking from tip	Worn valve needle Worn or bad seal Worn o-ring on seat
Material seepage around packing nut	Worn packing Loose packing nut
Piston will not cycle	Packing nut too tight Stroke set too low Dried material in fluid body Operating air too low
Air seepage from air body assembly	Worn o-rings Loose assembly Bad air connection
Valve will not close	Dried material obstructing the needle Packing nut too tight Operating air too low



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**TECHNICAL
 SERVICE
 INFORMATION**

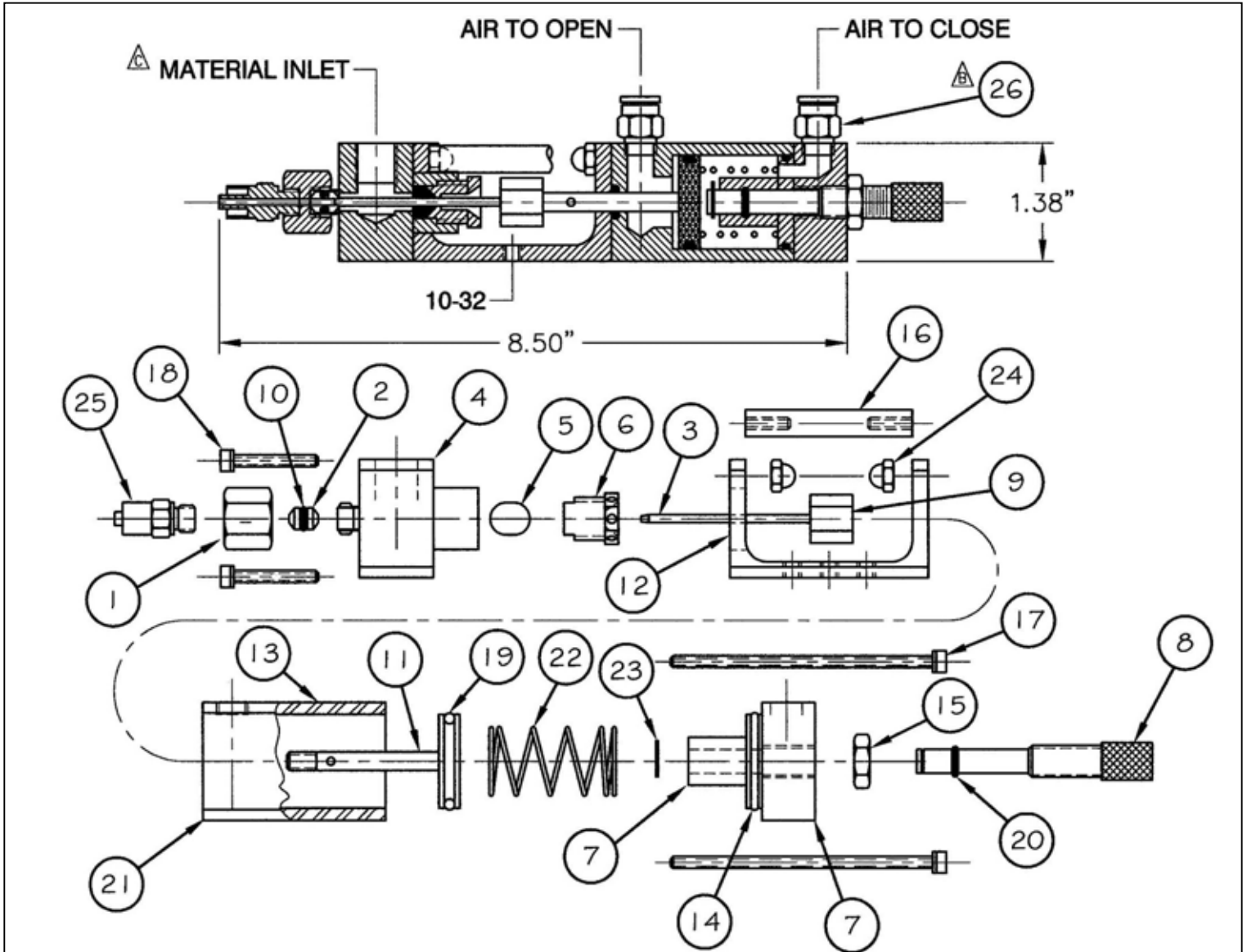
SHEET 1 OF 1

REVISION

A	AUG 19, 1999
B	SEP 1, 1999
C	DEC 6, 1999
D	JUN 18, 2002

**PRODUCT
 DESCRIPTION**

LV-0126NM FRONT CLOSING VALVE



NO.	PART NUMBER	DESCRIPTION	QTY.	NO.	PART NUMBER	DESCRIPTION	QTY.
13	561039	LOWER AIR BODY	1	26	△ 561694	PUSH TYPE CONNECTOR	2
12	561038NM	SPACER BRACKET	1	25	561051	LUER ADAPTER	1
11	561037	PISTON	1	24	561050NM	CAP NUT	2
10	561036	O-RING, 006 VT	1	23	561049NM	C-CLIP, 5/16"	1
9	561035	CAPNUT	1	22	561048	SPRING	1
8	561034NM	ADJUSTER	1	21	△ 561047NM	O-RING, P-6	1
7	△ 561033NM	END CAP	1	20	△ 561046NM	O-RING, P-5	1
6	561032NM	PACKING NUT	1	19	561045	O-RING, 119 BN	1
5	△ 561031NM	PACKING	1	18	561044NM	CAP SCREW	4
4	561030NM	FLUID BODY	1	17	561043NM	CAP SCREW	4
3	△ 561029NM	VALVE NEEDLE	1	16	561042NM	SPACER	1
2	△ 561028NM	NEEDLE SEAT	1	15	561041NM	LOCK NUT	1
1	561027	NEEDLE ADAPTER	1	14	561040	O-RING, 021 BN	1

DRAWN BY: G.O. BEUTEL

DATE DRAWN: 4/15/99

FILE NAME:

LV0126TS.DWG