



MITE 71
High Pass or Low Pass
Pneumatic Selecting Relay

- Factory setting for “**HIGH**” or “**LOW**” selector is indicated by “**H**” or “**L**” stamped on body.
- Instrument input is at ports “**A**” and “**B**”. Selected signal appears at port “**C**”.

INSTRUCTIONS FOR CONVERTING SETTINGS

A. To convert unit to “HIGH**” settings:**

1. Remove 6 cap screws. Separate upper and lower cases.
2. Place the two O-rings, one on either side of diaphragm, into the inside grooves adjacent to the diaphragm. Reassemble.
3. Plug port “**C**”. Apply pressure, not over 5 psig, to port “**A**”. Tighten adjusting screw on side “**B**” until port “**B**” starts to leak. Then loosen adjusting screw slowly until leakage stops.
4. Apply not over 5 psig to port “**B**”. Tighten adjusting screw on side “**A**” until port “**A**” starts to leak. Then loosen adjusting screw slowly until leakage stops.

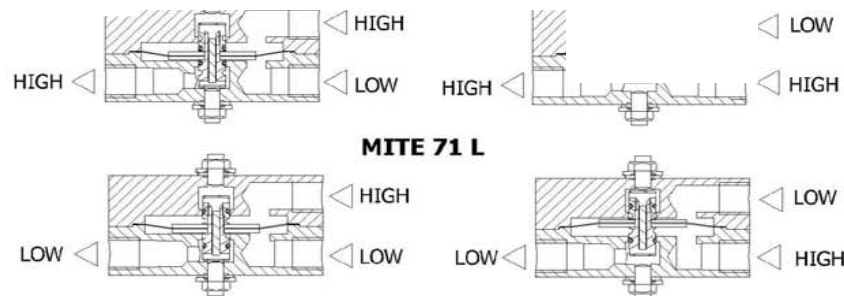
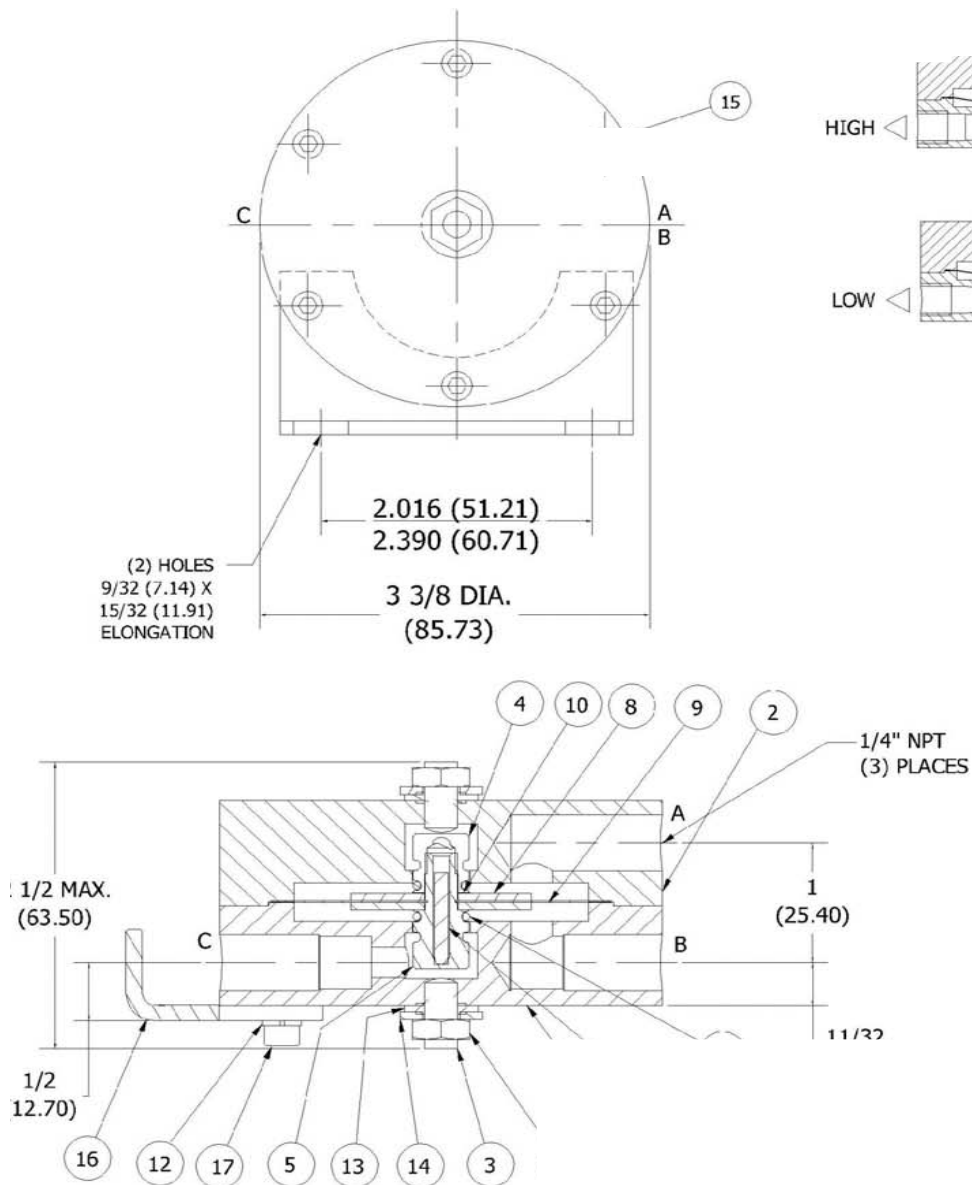
B. To convert unit to “LOW**” settings:**

1. Remove 6 cap screws. Separate upper and lower cases.
2. Place the two O-rings, one on either side of diaphragm, into the outside grooves away from the diaphragm. Reassemble.
3. Apply pressure, not over 5 psig, to port “**A**”. Tighten adjusting screw on side “**B**” until port “**B**” and/or “**C**” starts to leak. Then loosen adjusting screw slowly until leakage stops.
4. Apply not over 5 psig to port “**B**”. Tighten adjusting screw on side “**A**” until port “**A**” and/or “**C**” starts to leak. Then loosen adjusting screw slowly until leakage stops.

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FLOW SCHEMATIC



NOTES:

1. PRESSURE RATING: 100 PSIG (689 KPa)
2. TEMPERATURE RATING:
-40° F TO 180° F (-40° C TO 82.2° C)

* RECOMENDED SPARE PARTS

Parts List			
	ER		DESCRIPTION
1	1	742-714-028	UPPER COVER
		742-714-026	LOWER COVER
		748-179	HEX SOCKET SET SCREW
4	1	742-907-002	SPOOL
5	1	742-907-004	SPOOL ADAPTOR
6	2	745-749-061	O-RING
7	1		PIN
8	2		DISC
9*	1	746-700-059	DIAPHRAGM
10*	1	746-724-024	GASKET
11	2	745-734-059	LOCK NUT
12	2	746-755-136	LOCK WASHER
13	2	745-762-067	SEALING WASHER
14	2	745-762-066	PLAIN WASHER
15	4	745-748-177	CAP SCREW 1"
16	1	736-707-059	BRACKET
17	2	745-748-178	CAP SCREW 1.25"

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DIAPHRAGM OPERATION

MITE 71

DRAWN BY	JAG	SCALE	MATERIAL	SEE NOTES
CHECKED		DATE	DRAWING NO.	
		05-14-13		
TRACED		APPROVED (AHL REF: 9071-02-0000-500)	741-622-070	