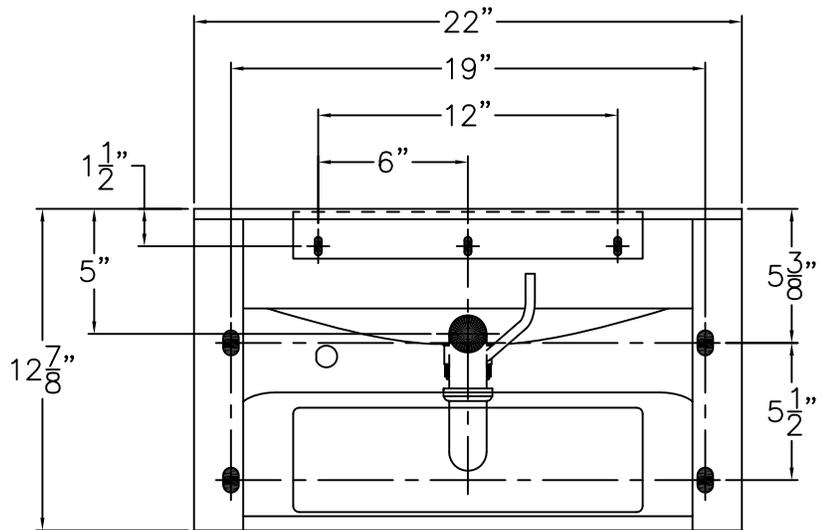


REFERENCE DRAWINGS	
HARDWARE PACKAGE	9957-900-001
<b>OPTIONAL VALVES CONNECTIONS:</b>	
-3 AIR-CONTROL (SINGLE TEMP.)	9905-006-001
-MVC1 S/T TIME-TROL	9900-001-004
-EVS1 S/T MASTER-TROL	9905-330-004

**WARNING:**  
 WATER FLOW PRESSURE 25/100 PSI MIN/MAX. RECOMMENDED  
 OUTLET TEMPERATURE 105°F MAX. FLUSH ALL SUPPLY LINES  
 THOROUGHLY BEFORE CONNECTING. DRAIN VALVE PRIOR TO  
 FREEZING TEMPERATURES.

BUBBLER  
 DETAIL



**ROUGH-IN FOR THE FOLLOWING:**

- FIXTURE WASTE: 1-1/2" OD PLAIN END WASTE OUTLET (1).
- SUPPLY INLET: 1/2" NPS HOSE END VALVE CONNECTION (2). NOTE: HOSE END CONNECTION WILL ACCOMMODATE 1/2" NPT ADAPTER.
- WALL ANCHORS: FOR Ø5/8" x 1" LONG SLOTS (3) & Ø5/16" ENCLOSURE (4) ANCHOR PUNCHING.

**INSTALLATION INSTRUCTIONS:**

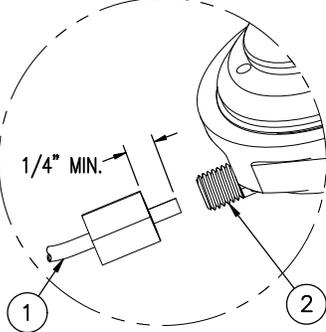
- A- MOUNT BUBBLER (5) AND PUSHBUTTON (6) TO FIXTURE.
- B- THREAD 1/2"-13 UNC STUDS (7) INTO INSTALLED WALL ANCHORS. NOTE: STUDS MUST HAVE 1/2" OF ENGAGEMENT.

- C- ALIGN ANCHOR STUDS (7) WITH FIXTURE PUNCHING AND SLIDE FIXTURE TO THE FINISHED WALL.
- D- ANCHOR WITH NUTS (8) AND WASHERS (9). TIGHTEN TO 60 FT. LBS.
- E- MAKE UP WASTE CONNECTION (1).
- F- AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP VALVE INLET CONNECTION (2).
- G- SEE APPROPRIATE SHEETS FOR VALVE DETAILS.

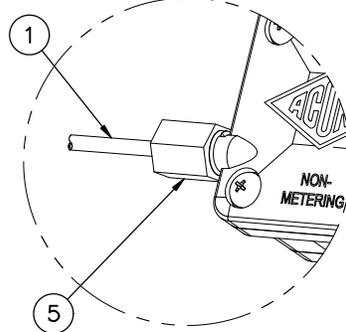
ACORN ENGINEERING COMPANY P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	TITLE <b>DRINKING FOUNTAIN - LR1670FA</b>	
	MANUFACTURE DATE <b>APRIL 2022</b> <b>TO PRESENT</b>	DATE ISSUED <b>05/09/22</b>



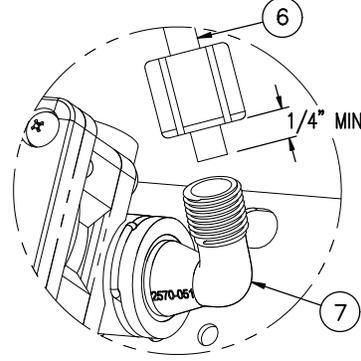
### SIDE OUTLET SHOWN



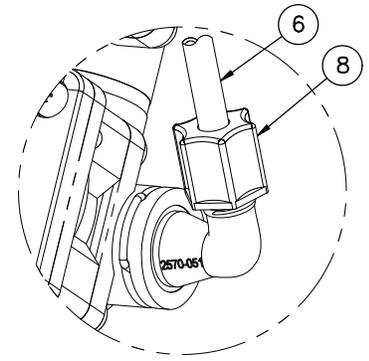
DETAIL "A"



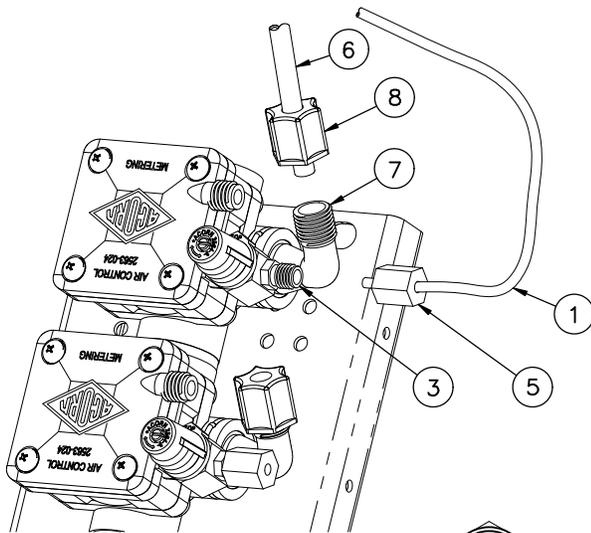
DETAIL "B"



DETAIL "C"

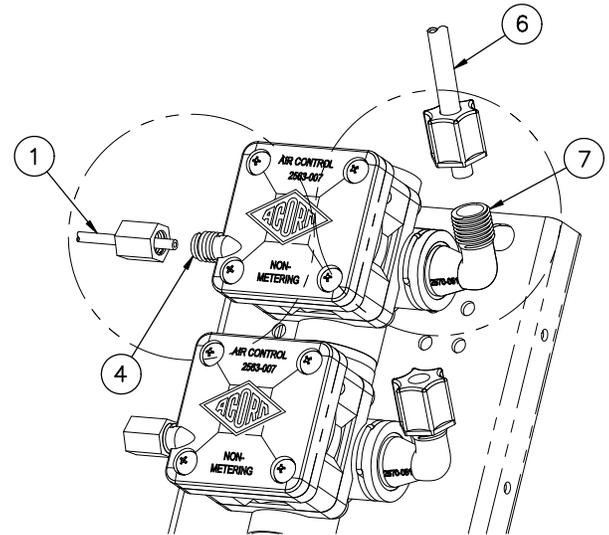


DETAIL "D"



METERING

TIMING SCREW



NON-METERING DIRECT ACTING

LAVATORY VALVES ARE FACTORY PRESET WITH A 5-20 SECOND RUN TIME. THIS WILL PROVIDE LESS THAN 1/4 GALLON (1 LITER) PER CYCLE. IF IT IS NOTED THAT VALVES ARE RUNNING LONGER THAN THIS MAXIMUM RECOMMENDED CYCLE TIME PLEASE FOLLOW THESE INSTRUCTIONS TO CORRECT THE CYCLE TIME. WHEN SET, FAUCET SHOULD NOT PRODUCE MORE THAN 1/4 GALLON (1 LITER) PER CYCLE.

TIMING IS ADJUSTABLE FROM 5 TO 60 SECONDS AND IS ACCOMPLISHED BY ROTATING TIMING SCREW. TURNING THE SCREW CLOCKWISE INCREASES TIMING WHILE COUNTERCLOCKWISE DECREASES TIMING.

### INSTALLATION INSTRUCTIONS:

- A- MOUNT FIXTURE IN ACCORDANCE TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B- ASSEMBLE SPOUTS AND PUSHBUTTONS TO FIXTURE.
- C- CONNECT 1/8" O.D. POLYETHYLENE AIR LINE (1) TO PUSHBUTTON (2), AND VALVE TIMER ASSEMBLY (3) SEE DETAIL "A". NOTE: FOR DIRECT ACTING: ASSEMBLE TO AIR PORT (4), SEE DETAIL "B". HAND TIGHTEN FERRULE NUT (5) PROVIDED.
- D- CONNECT 1/4" O.D. POLYETHYLENE WATER LINES (6) TO VALVE ASSEMBLY ELBOW (7) SEE DETAILS "C", AND "D". HAND TIGHTEN FERRULE NUT (8) PROVIDED.
- E- AFTER THOROUGHLY FLUSHING SUPPLY LINES MAKE UP CONNECTIONS TO VALVE ASSEMBLY INLET(S) 1/2" NPT OR 1/2" NPS FLEX HOSE AS REQUIRED.

### REFERENCE DRAWINGS

ASSEMBLIES	DRAWING
VALVE BODY	9955-006-003
CHECKSTOP	9956-040-003
FIXTURE TRIM	9957-051-001
FIXTURE TRIM -DMS	9957-055-001
AIR-CONTROL SERVOMOTORS	
METERING	9955-000-003
NON-METERING	9955-001-003

### NOTE:

- 1) ALL TUBING SHOULD BE CUT SQUARE AND BE FREE OF BURRS OR DEFORMITIES TO ENSURE A WATER TIGHT CONNECTION.
- 2) EXTEND TUBING AT LEAST 1/4" BEYOND FERRULE NUT BEFORE INSERTING TUBING INTO CONNECTION OPENING BEFORE TIGHTENING.
- 3) TUBING SHOULD BE FREE OF KINKS FOR PROPER OPERATION
- 4) MAXIMUM RECOMMENDED WORKING WATER PRESSURE IS 100 PSI; TEMPERATURE IS 130° F; OUTLET TEMPERATURE IS RECOMMENDED AT A MAXIMUM OF 105° F.

### WARNING:

PRIOR TO MAKING INSTALLATION, SUPPLY LINES MUST BE FLUSHED OF ALL FOREIGN MATERIAL SUCH AS PIPE DOPE, CHIPS, SOLDER, ETC. VALVE MUST BE DRAINED PRIOR TO BEING SUBJECTED TO FREEZING TEMPERATURES. MAXIMUM RECOMMENDED OUTLET WATER TEMPERATURE IS 105° F.

<b>MORRIS GROUP INTL</b> P.O. BOX 3527 Industry, CA 91744 15125 Proctor Ave Industry, CA 91746 (626) 336-4561 FAX (626) 961-2200	<b>TITLE</b> <b>HAND OPERATED, LAVATORY AIR-CONTROL VALVE CONNECTIONS</b>	<b>DATE ISSUED</b> <b>04/22/10</b>	<b>DRAWING NUMBER</b>  <b>9905-006-001</b>
	<b>MANUFACTURE DATE</b>  <b>JANUARY 1999</b>  <b>TO PRESENT</b>	<b>DATE REVISED</b>  <b>11/18/15</b>	