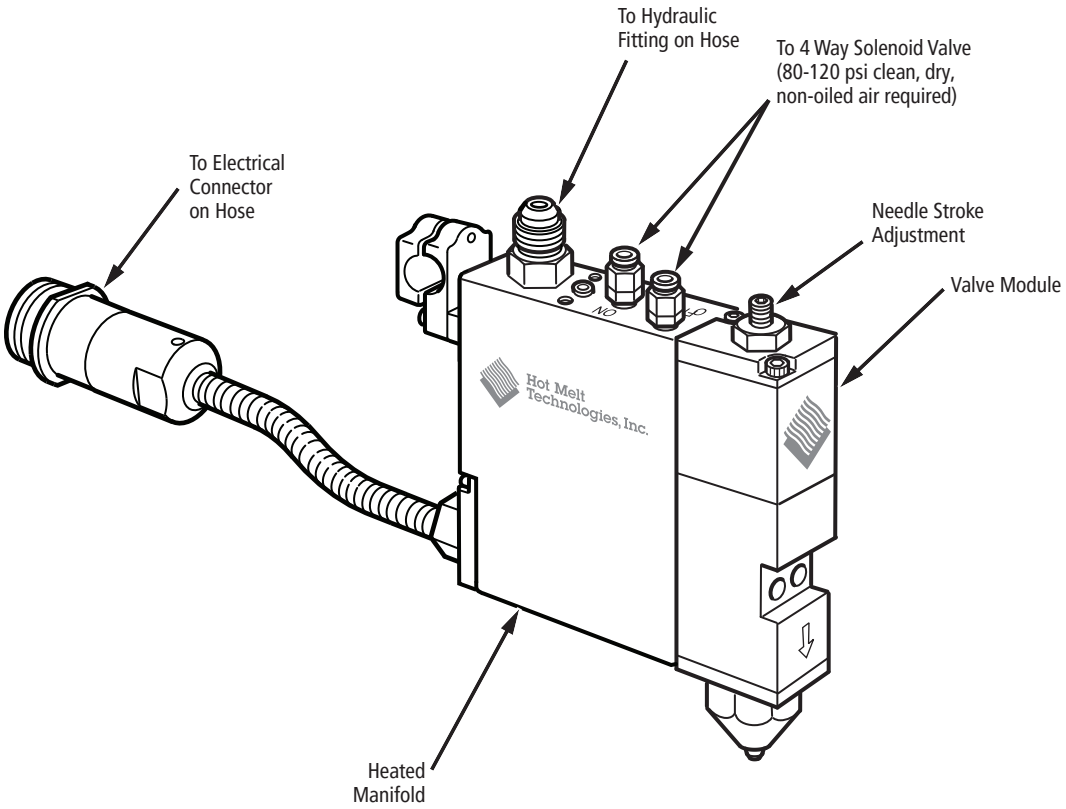
900-Mini Series Automatic Gun

ASSEMBLY NUMBERS	
PART NO	DESCRIPTION
AV-900-M-R	120 VAC Single Valve
AV-900-M-HP	120 VAC Single Valve
XP-900-M-R	220 VAC Single Valve
XP-900-M-HP	220 VAC Single Valve



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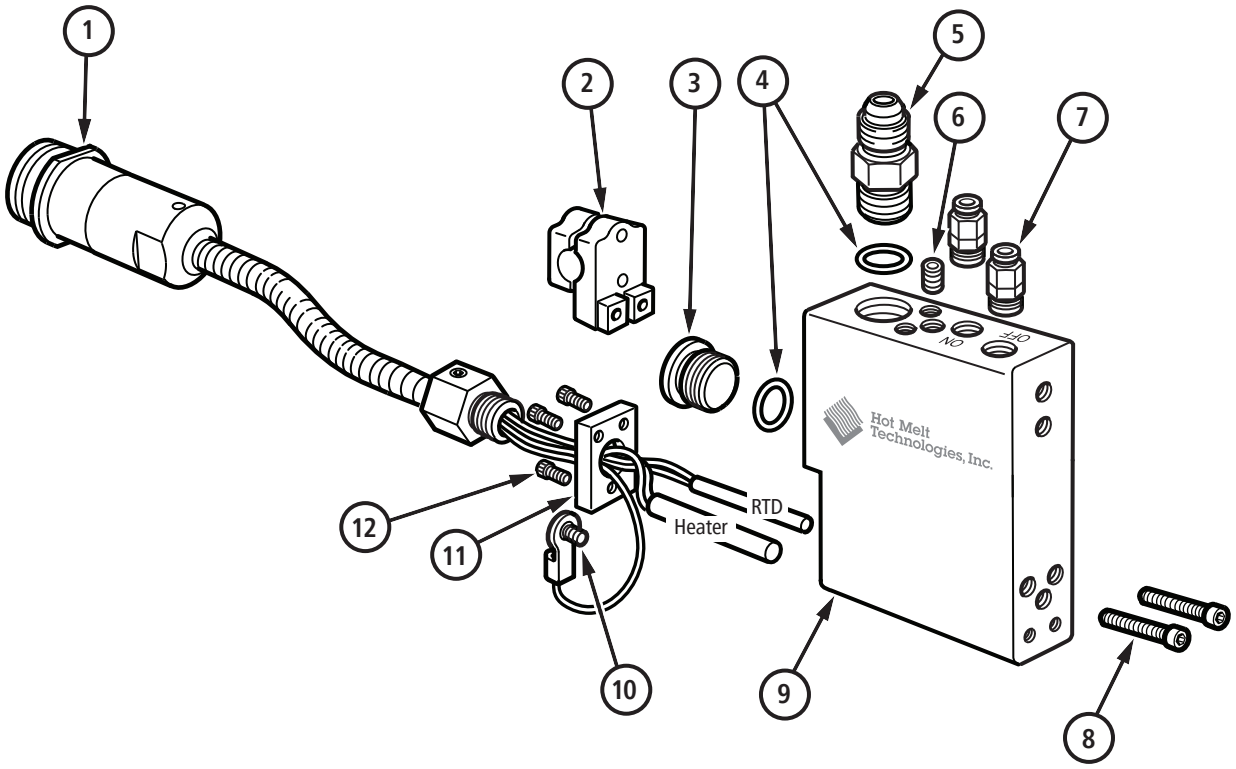
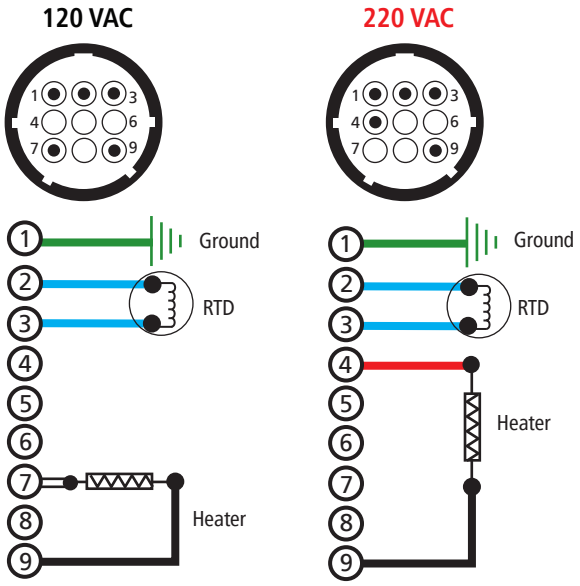
VM Mini-Manifold

VM-900-RM-1, 120 VAC
VM-900-RM-2, 220 VAC



BILL OF MATERIALS

ITEM	DESCRIPTION	PART NO	QTY
1a	**DFS** AV-1000 Heater Harness 120 VAC, 150 W	922-090	1
1b	**DFS** XP-1000 Heater Harness 220 VAC, 150 W	922-290	1
2	AV1/2" Rod Mounting Clamp Kit	913-005	1
3	Pipe Plug 9/16"-18	160-047	1
4	O-ring	520-046	2
5	#6 Straight Fitting	160-046	1
6	Pipe Plug, Flush 1/16 NPT	160-196	1
7	1/4" Tube to 1/8" NPT Fitting (HT)	160-551	2
8	8-32 × 1" Socket Head Cap Screw	322-035	2
9	AV-900 Mini Manifold	190-118	1
10	6-32 × 1/4" Socket Head Cap Screw	322-002	1
11	AV-900 Mini-Manifold Elec Cap	190-119	1
12	6-32 × 1/4" Socket Head Cap Screw	322-004	3



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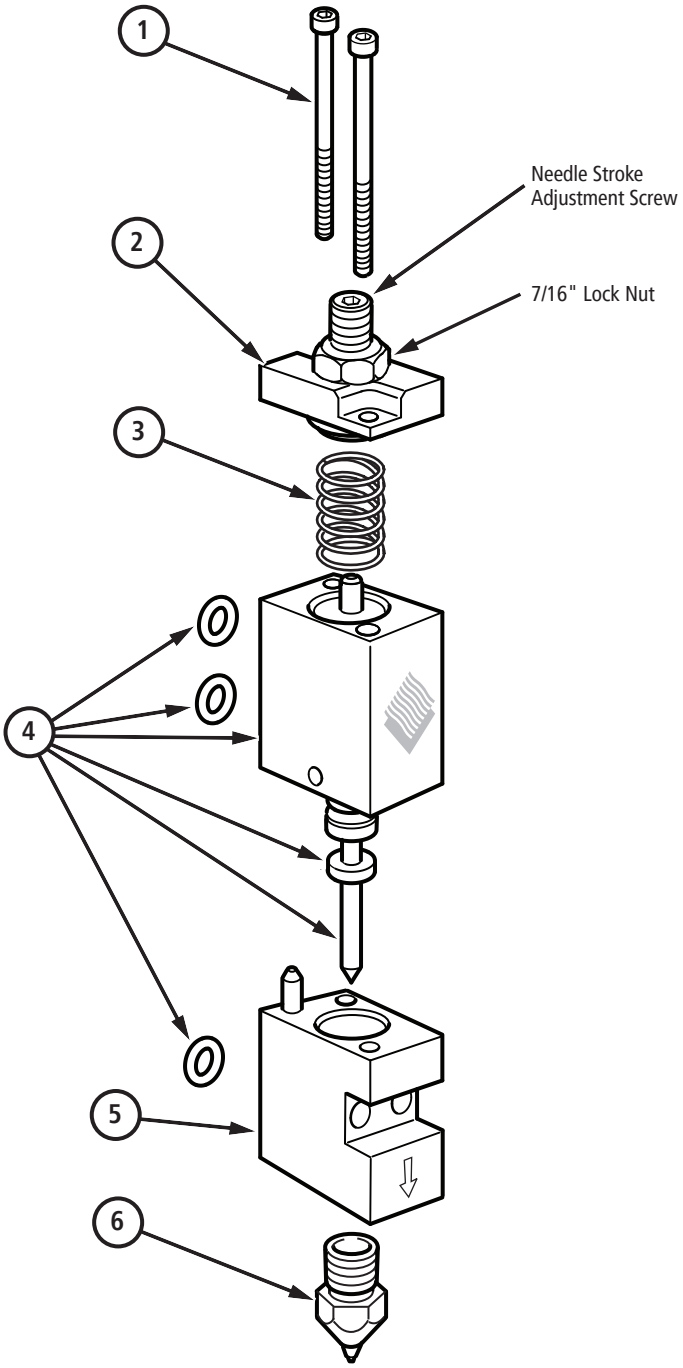
900-HP Series Valve Module Assembly

913-920



Service Information

Needle Stroke Adjustment Screw:

Adjusts how far the needle lifts off the needle seat/nozzle when activated.

How to Adjust:

1. Loosen the 7/16" lock nut.
2. Using a 1/8" allen wrench, turn the adjustment screw clockwise until the needle makes contact with the needle seat/nozzle.

Caution: Do not overtighten, only make contact.

3. Back the adjustment screw out (counter clockwise) until the appropriate flow for your application is reached.

Note: Shorter stroke = longer seal life.

4. Tighten the lock nut while holding the adjustment screw in place.
5. Reconnect actuation air supply.

Activation Air Pressure:

80 - 120 psi clean, dry, non-oiled air must be used.

Note: Air Pressure less than 80 psi may cause sluggish cycling and/or leaks.

BILL OF MATERIALS

ITEM	DESCRIPTION	PART NO	QTY
1	Socket Head Cap Screw 8-32 X 2 1/2"	322-009	2
2	**DFS** AV Stroke Adjustment Cap	913-906	1
3	900 Piston Return Spring	190-114	1
4	**DFS** AV-900 Piston Needle Kit	913-915	1
5	Fluid Valve Body	190-008	1
6	900 Series Nozzle	See Nozzles	1

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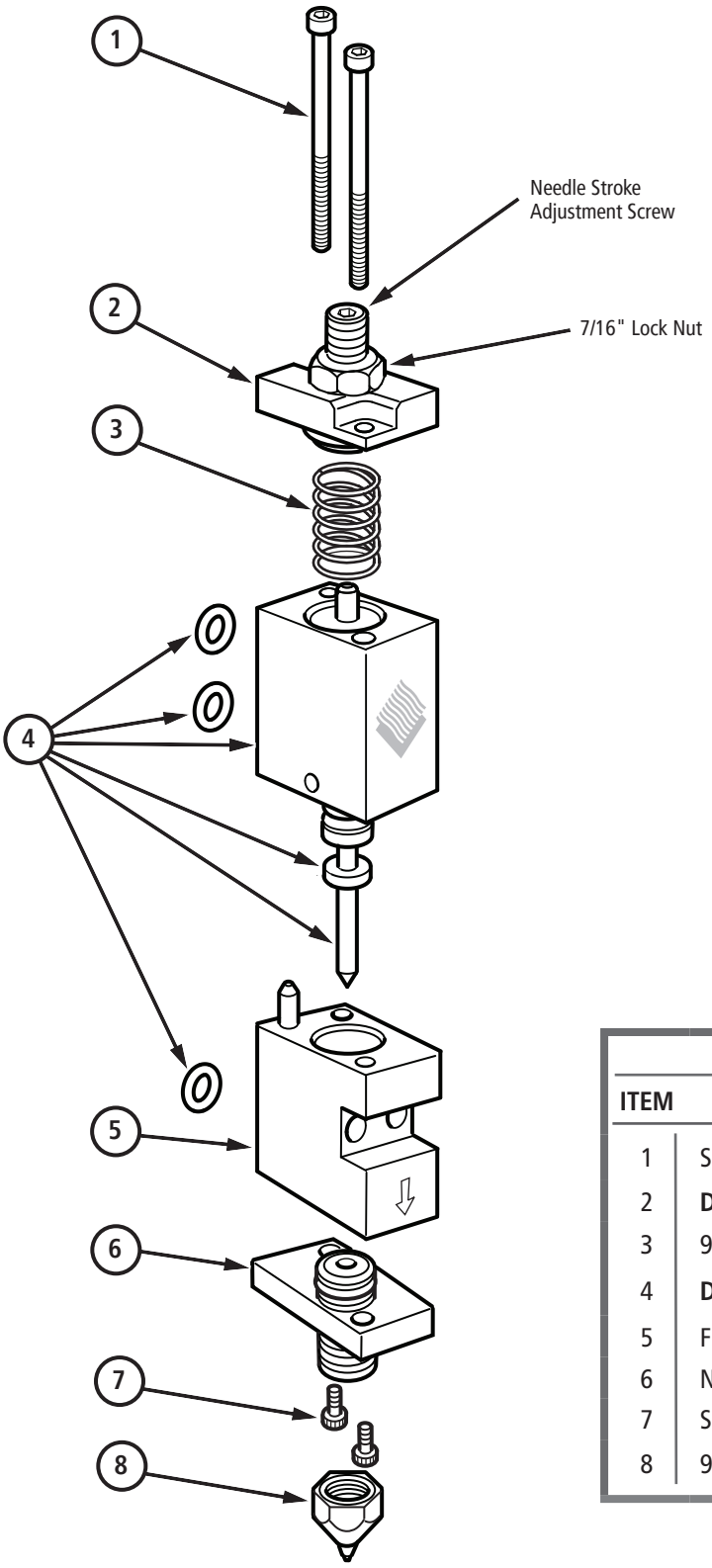
900-R Series Valve Module Assembly

913-900



Service Information

Needle Stroke Adjustment Screw:

Adjusts how far the needle lifts off the needle seat/ nozzle when activated.

How to Adjust:

1. Loosen the 7/16" lock nut.
2. Using a 1/8" allen wrench, turn the adjustment screw clockwise until the needle makes contact with the needle seat/nozzle.

Caution: Do not overtighten, only make contact.

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5. Reconnect actuation air supply.

Activation Air Pressure:

80 - 120 psi clean, dry, non-oiled air must be used.

Note: Air Pressure less than 80 psi may cause sluggish cycling and/or leaks.

BILL OF MATERIALS

ITEM	DESCRIPTION	PART NO	QTY
1	Socket Head Cap Screw 8-32 x 2 1/2"	322-009	2
2	**DFS** AV Stroke Adjustment Cap	913-906	1
3	900 Piston Return Spring	190-114	1
4	**DFS** AV-900 Piston Needle Kit	913-915	1
5	Fluid Valve Body	190-007	1
6	Needle Seat Threaded	156-801	1
7	Socket Head Cap Screw 6-32 x 2 3/8"	322-003	2
8	900 Series Nozzle	See Nozzles	1

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