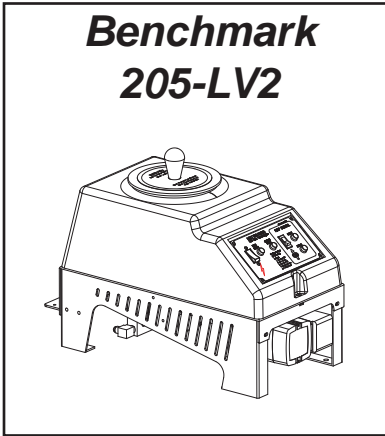




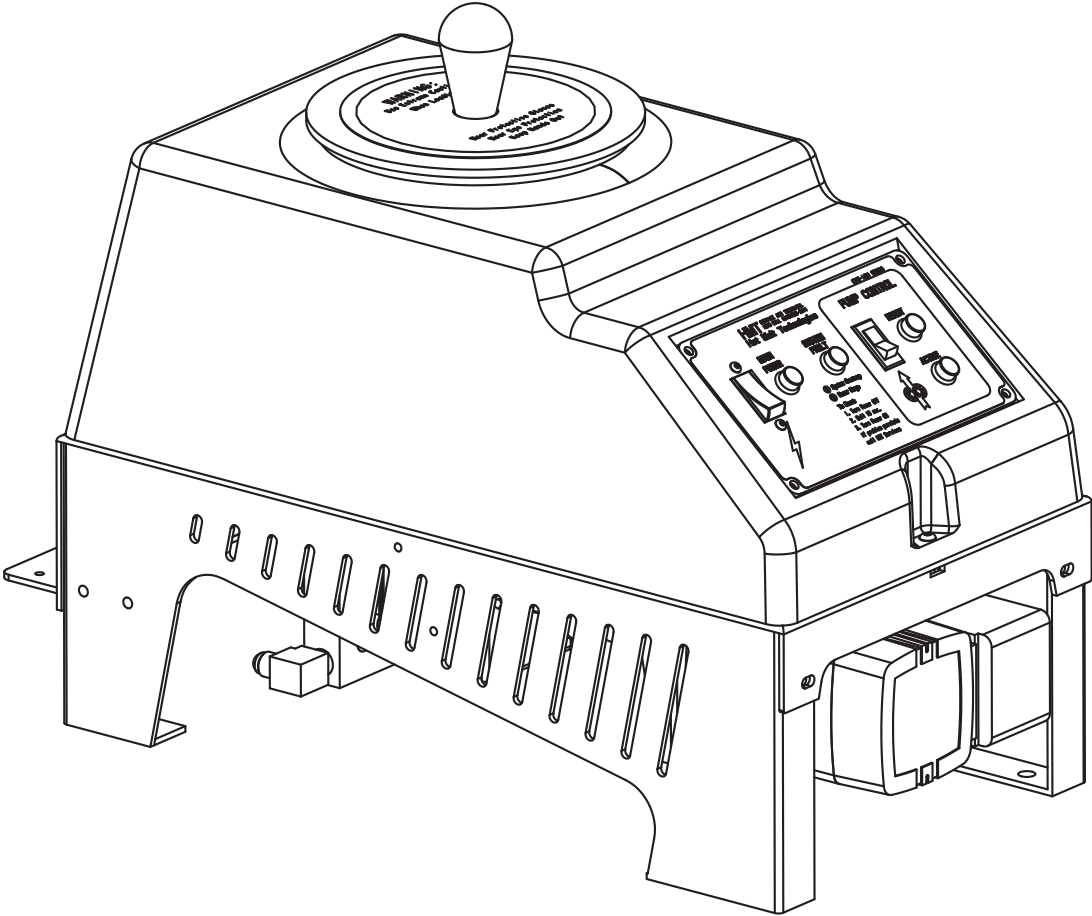
Benchmark 205-LV2

Technical Information



Your System Configuration

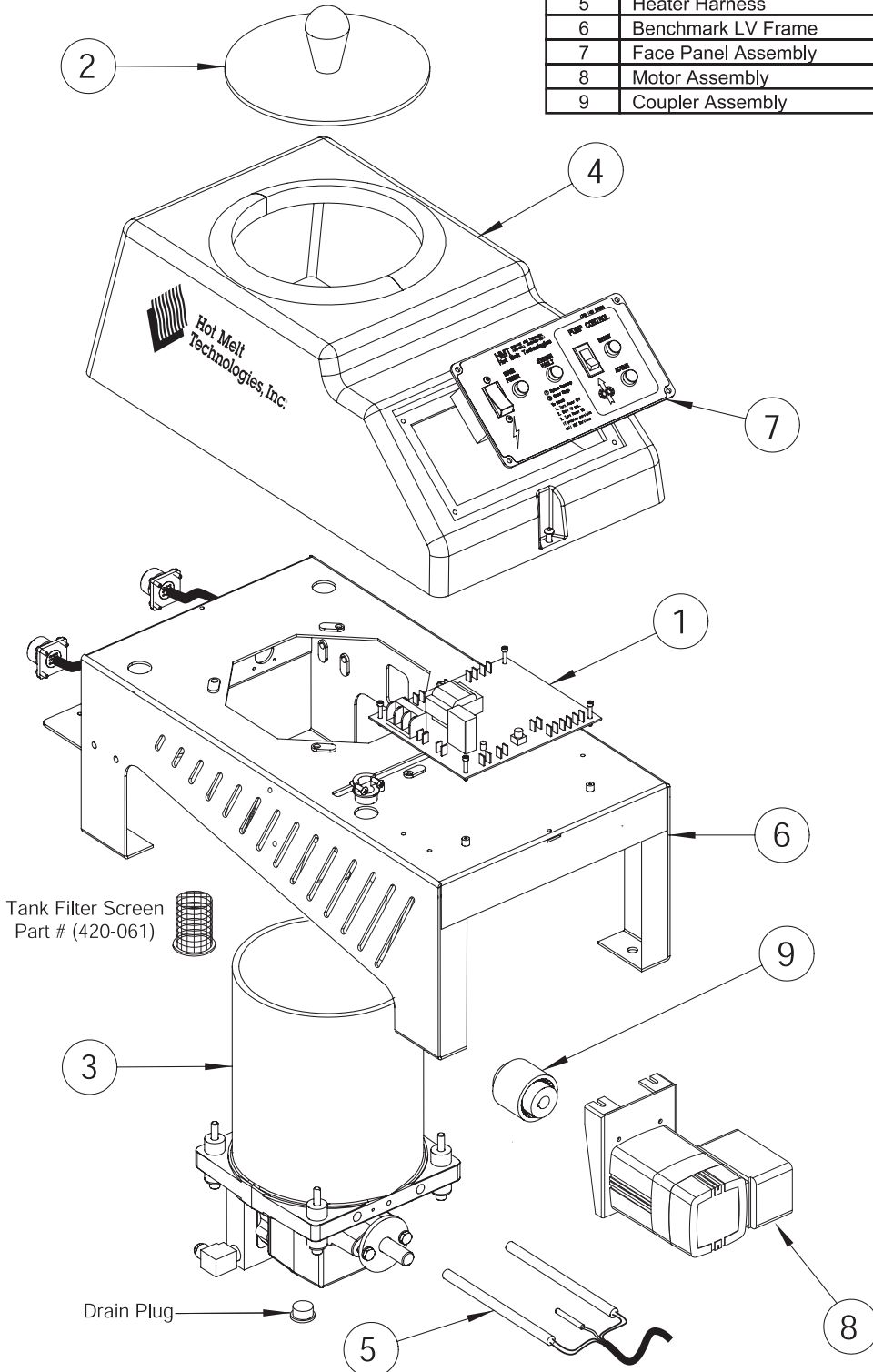
Temperature Controls	
<input checked="" type="checkbox"/>	Electronic Temp Control
Model and Configuration	
<input checked="" type="checkbox"/>	Benchmark 205-LV2
Tank Size	
<input checked="" type="checkbox"/>	Approx. 8 lbs. / 1 gal.
Voltage Requirements	
<input checked="" type="checkbox"/>	120 VAC, 15 A, 1 PH
Motor Rating	
<input checked="" type="checkbox"/>	AC, 43 rpm



Hot Melt Technologies, Inc.

BM205-LV² Components

BILL OF MATERIALS			
ITEM	DESCRIPTION:	PART NO.	QTY.
1	Temperature Control Board	241-100	1
2	Lid Assembly	911-004	1
3	Benchmark LV Tank/Pump Assy	911-070	1
4	Tank Shroud Assembly	911-071	1
5	Heater Harness	923-001	1
6	Benchmark LV Frame	330-060	1
7	Face Panel Assembly	934-205	1
8	Motor Assembly	941-016	1
9	Coupler Assembly	941-051	1



Electrical Requirements:

- 120vac
- DO NOT USE AN EXTENSION CORD!

Operating Instructions:

- Turn Main Power "ON"
- When the Ready Light is on the system will operate.
- Depending on the adhesive being used, additional time may be required before the adhesive is ready to flow through the Hose and Gun. Allow approximately 15 minutes of additional warm-up time.
- Turn the Pump Switch "ON"
- The pump is activated by the gun trigger switch.
- The Flow Control Adjustment Knob is located at the rear right side of the system.

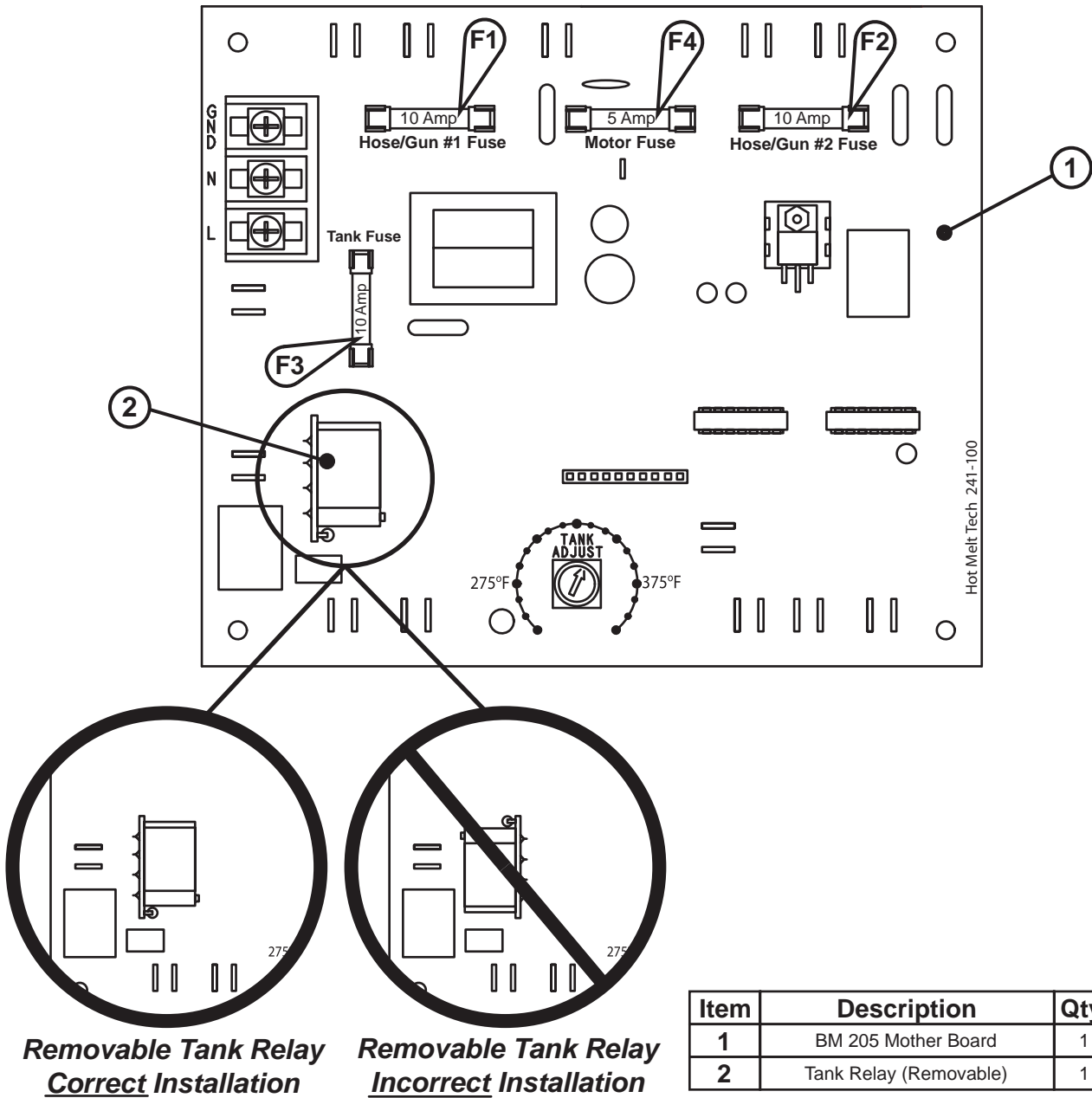
Service or Performance Solutions, Contact:

HMT Hot Melt Technologies,
Service Department
 (248) 853-2011
 or service@hotmelt-tech.com

Adjusting Tank Run Temperature

The Run Temperature Set Point for the Tank is dial adjustable between 250°F and 400°F. The pump will be READY when the tank temperature is within 10% of its Run Temperature Set Point.

Note: Never exceed the temperature recommended by the adhesive manufacturer.

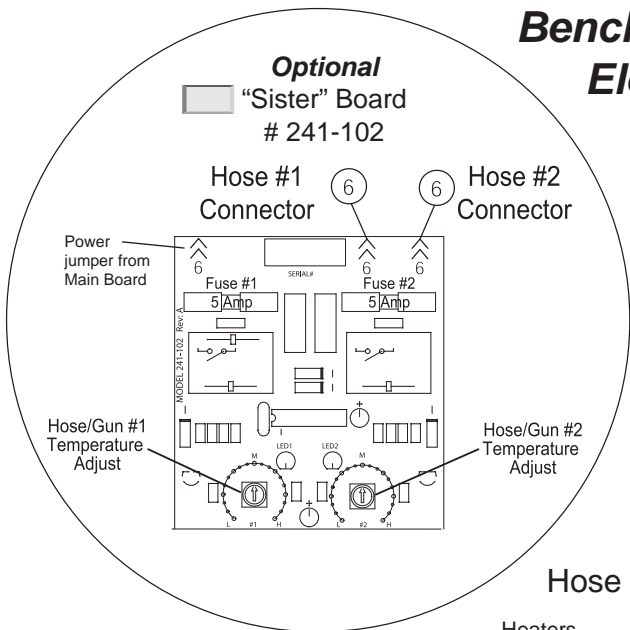


Item	Description	Qty.	Part #
1	BM 205 Mother Board	1	241-100
2	Tank Relay (Removable)	1	241-108

Fuse	Description	Replace With	Part #
F1	Hose/Gun #1 Fuse	10 Amp, 125 VAC [GMA]	214-110
F2	Hose/Gun #2 Fuse	10 Amp, 125 VAC [GMA]	214-110
F3	Tank Fuse	10 Amp, 125 VAC [GMA]	214-110
F4	Motor Fuse	5 Amp, 125 VAC [GMA]	214-105

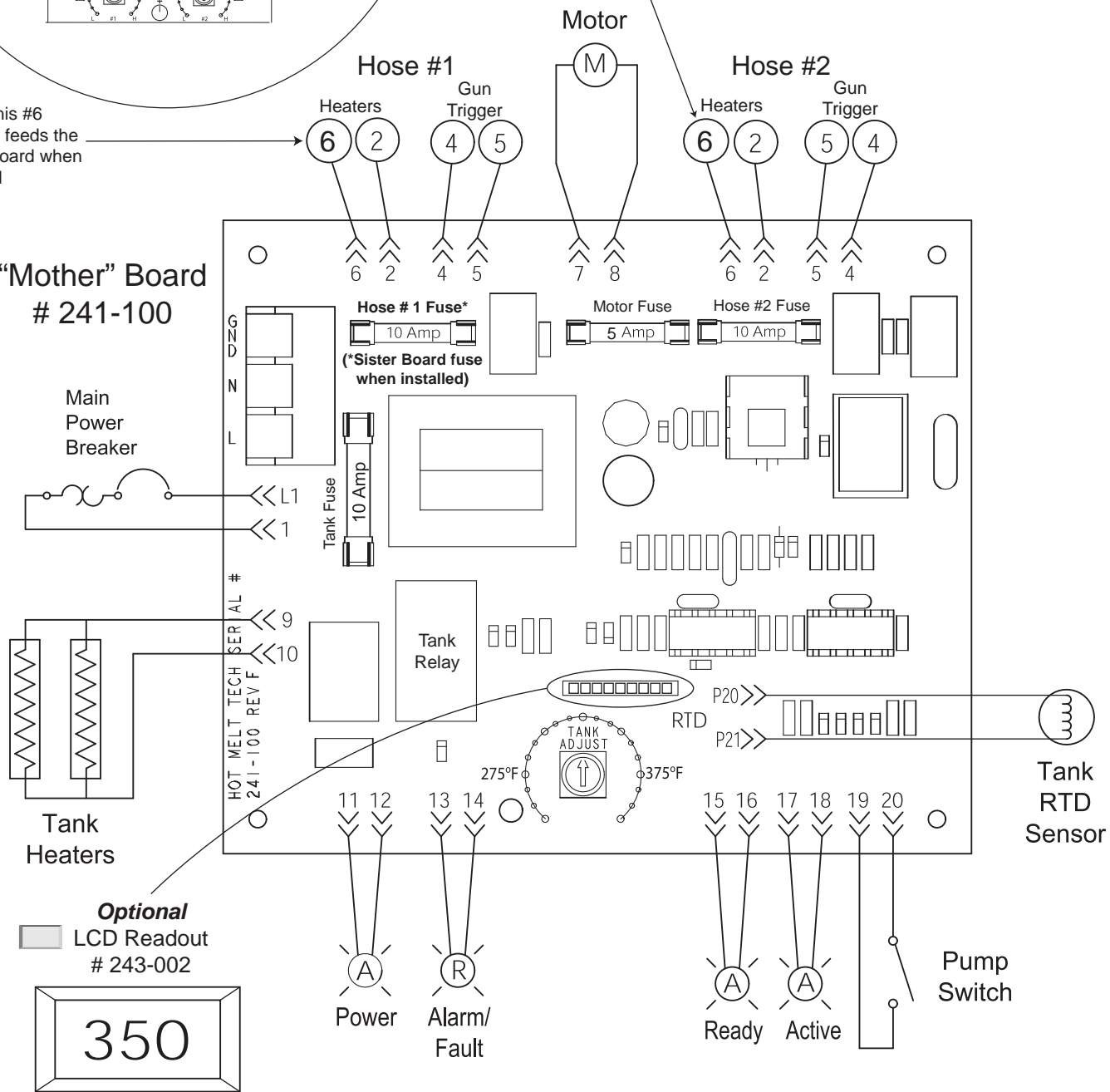
Benchmark LV2 & LV2S Electrical Layout

Power Connection	
2-Wire 110 Volts	
L1 ← 110V → N	
Caution	
120 Volt Tank Heaters only	
Symbol Legend	
	RTD Temperature Sensor
	Motor
	Breaker Switch
	Heater
	Stakon Connector
	Indicator Light (R=Red A=Amber)



Note: This #6 terminal feeds the Sister Board when installed

"Mother" Board # 241-100

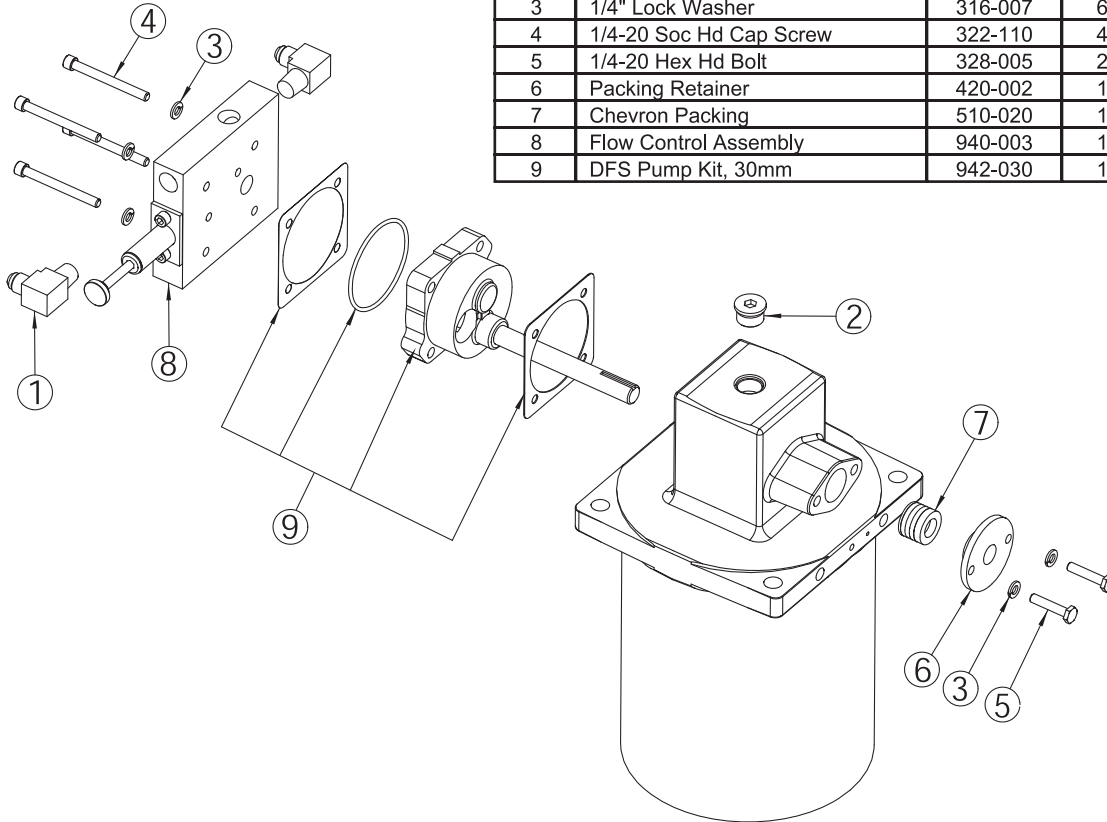


Hot Melt Technologies, Inc.

BM205-LV² Components

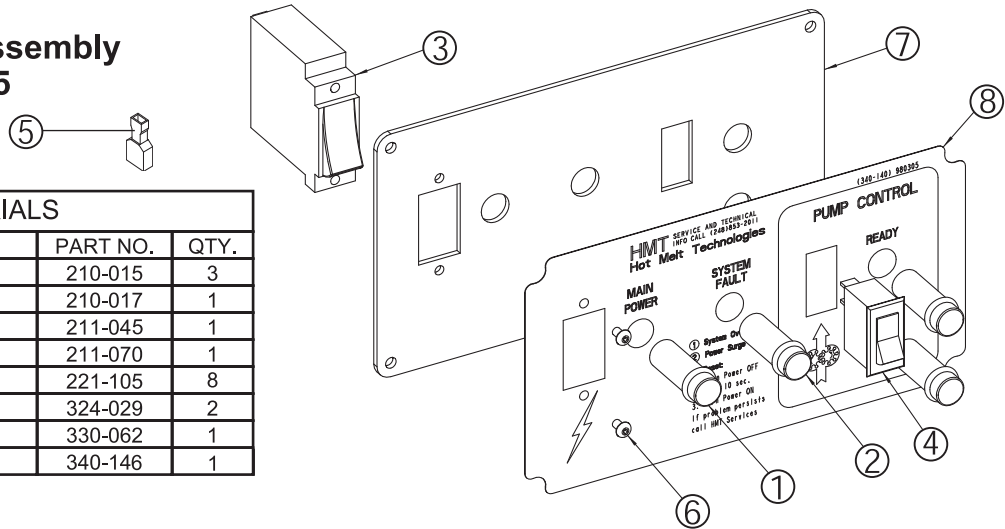
Technical Information

Benchmark LV Tank Assembly 911-070



BILL OF MATERIALS			
ITEM	DESCRIPTION:	PART NO.	QTY.
1	Elbow Fitting	160-029	2
2	Plug w/O'ring	160-042	1
3	1/4" Lock Washer	316-007	6
4	1/4-20 Soc Hd Cap Screw	322-110	4
5	1/4-20 Hex Hd Bolt	328-005	2
6	Packing Retainer	420-002	1
7	Chevron Packing	510-020	1
8	Flow Control Assembly	940-003	1
9	DFS Pump Kit, 30mm	942-030	1

Face Panel Assembly 934-205



BILL OF MATERIALS			
ITEM	DESCRIPTION:	PART NO.	QTY.
1	Light Amber w/Wires	210-015	3
2	Light Red w/Wires	210-017	1
3	ON/OFF Breaker	211-045	1
4	Pump Switch	211-070	1
5	Quick Disconnect 1/4"	221-105	8
6	6-32 Soc Hd Button Screw	324-029	2
7	Face Panel	330-062	1
8	Face Panel Decal	340-146	1

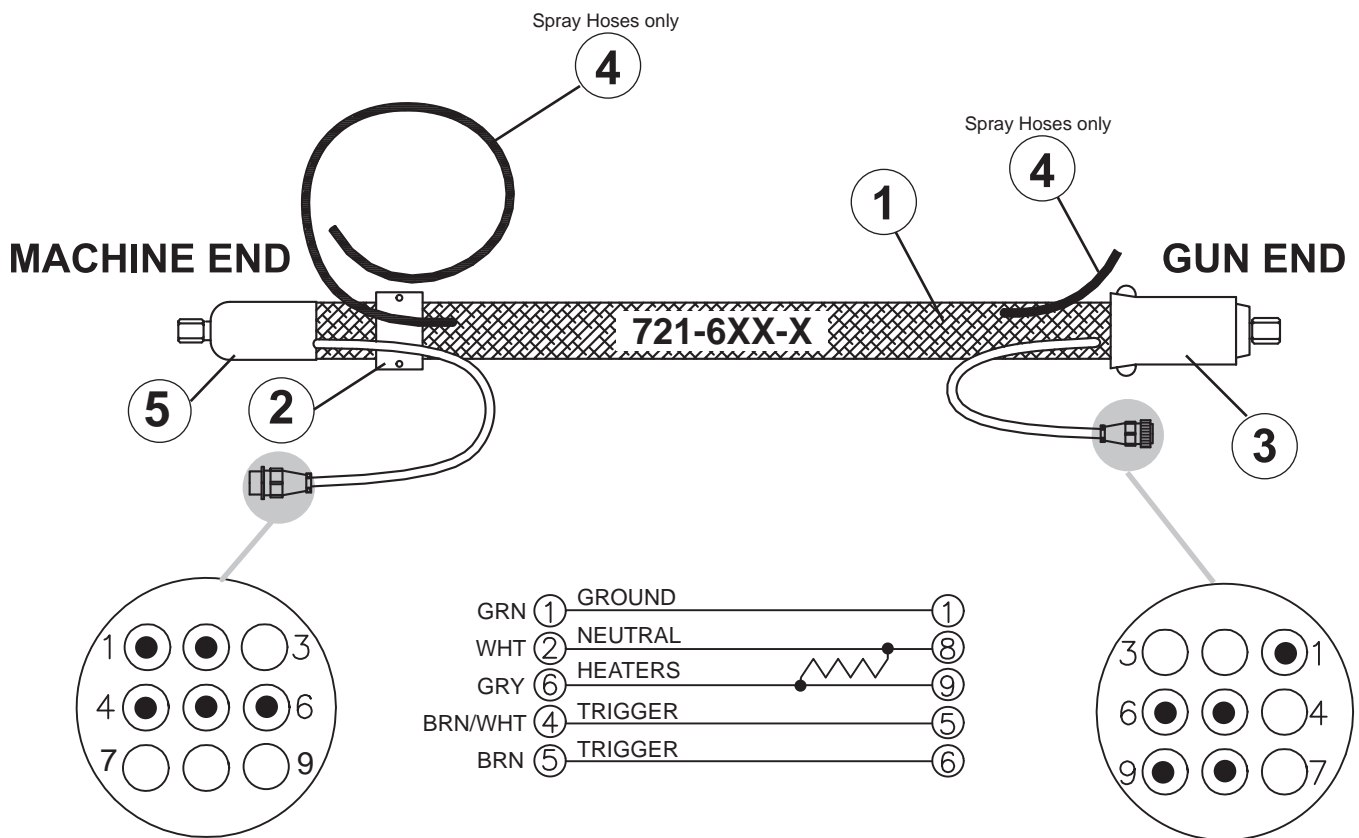
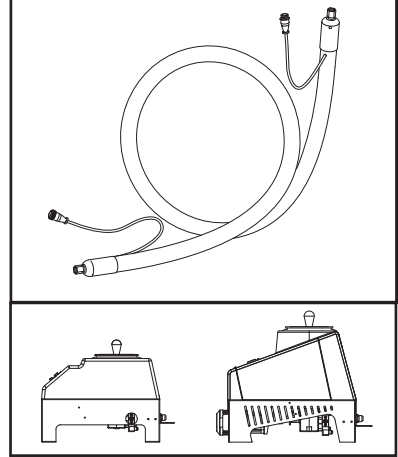
Hot Melt Technologies, Inc.

Benchmark Series Hoses - 120 VAC

Technical Information

YOUR HOSE CONFIGURATION

Hose # 721-6 <u> </u> — <u> </u>	
A	B
Selection "A" - Length "08" = 8 ft. "12" = 12 ft. "16" = 16 ft.	Selection "B" - Style "S" = Spray "HT" = High Temp "HTS" = High Temp Spray



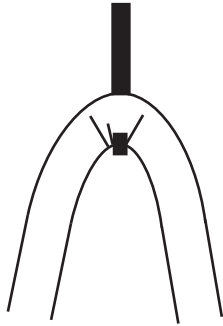
BILL OF MATERIALS			
ITEM	DESCRIPTION:	PART NO.	QTY.
1	Nylon Sleeving	223-351	FT.
2	Hose Mounting Block	540-027	EA.
3	Hose Cuff	540-011	EA.
4	Air Line, Black*	550-010	FT.
5	Shrink Tubing	550-007	FT.

* Spray Hoses only

Hot Melt Technologies, Inc.



WRONG

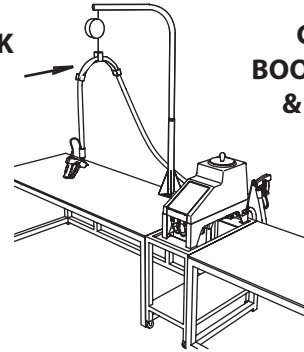


DO NOT HANG A HOSE WITHOUT PROPER SUPPORT

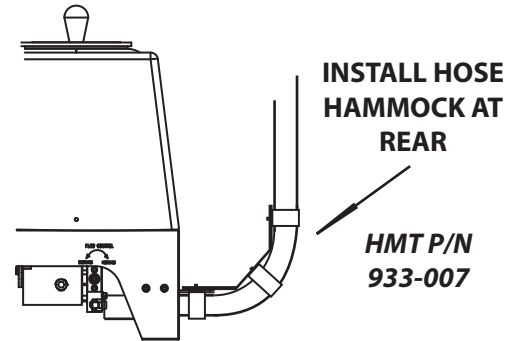
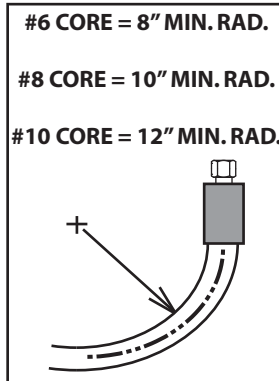
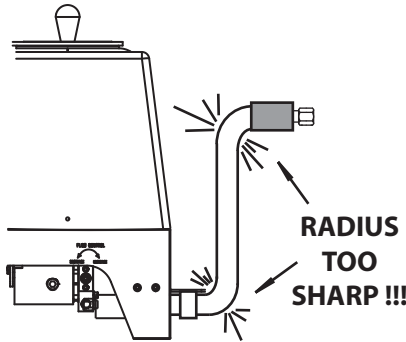


RIGHT

HAMMOCK ONLY
HMT P/N
933-006



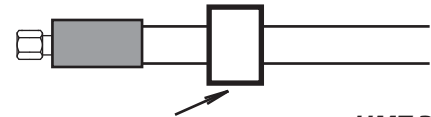
COMPLETE BOOM, BALANCER & HAMMOCK
HMT P/N
933-001



HMT P/N
933-007

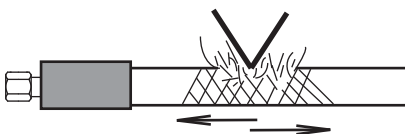


NEVER COMPRESS A HOSE USING CLAMPS OR TIES



USE HOSE MOUNTING BLOCKS FOR ANCHORING

HMT P/N
540-027



AVOID ABRASION AGAINST OBJECTS



**REPAIR SERVICES ARE AVAILABLE
CONTACT HMT AT 248-853-9326**

ALSO AVOID

- Twisting or pulling
- Getting hoses wet
- Installing in closed conduits
- Bending while cold



Hot Melt Technologies, Inc.

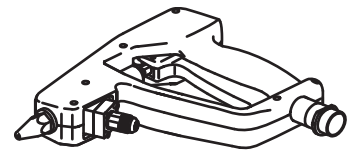
Main Phone: 248.853.2011

Tech Support: 248.853.9326

e-mail: techsupport@hotmelt-tech.com

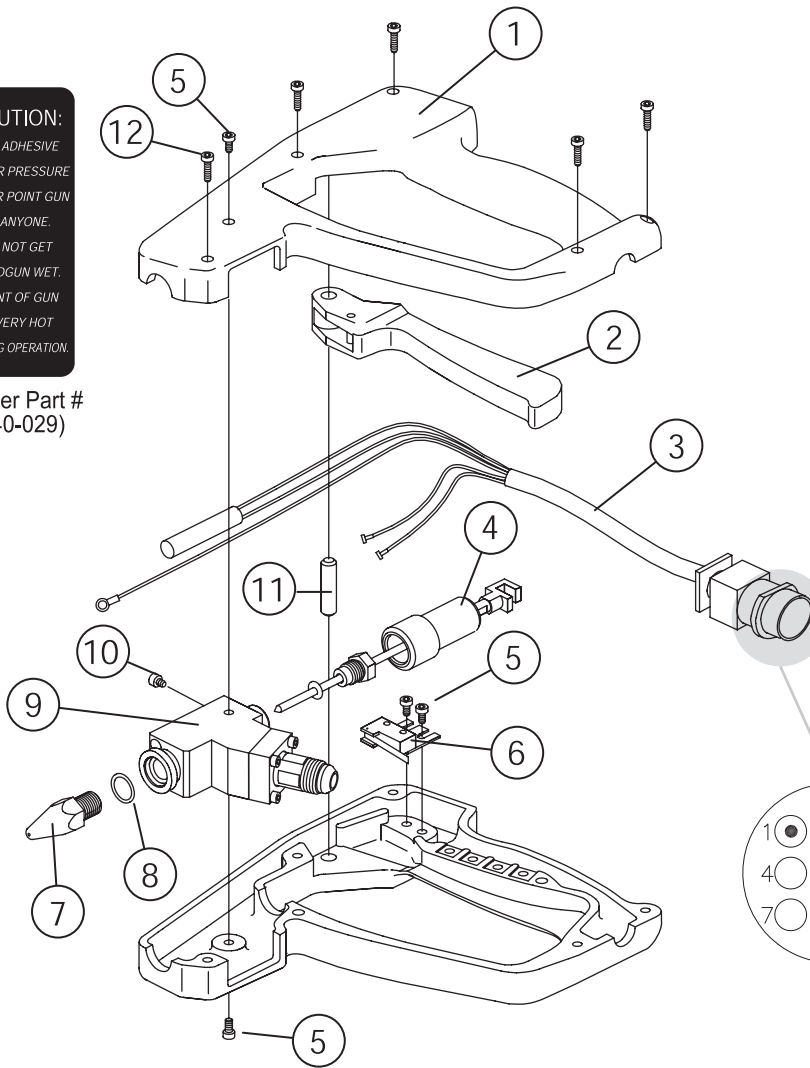
LV & HV Handguns 120 VAC

Technical Information

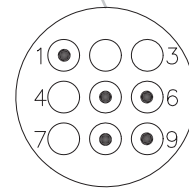


CAUTION:
HOT ADHESIVE
UNDER PRESSURE
NEVER POINT GUN
AT ANYONE.
DO NOT GET
HANDGUN WET.
FRONT OF GUN
IS VERY HOT
DURING OPERATION.

Sticker Part #
(340-029)



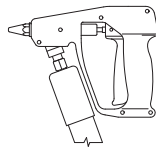
Sticker Part #
(340-028)



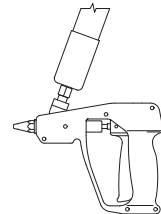
PIN#	CONNECTION
1	GROUND (GREEN)
2	---
3	---
4	---
5	TRIGGER SWITCH (BROWN)
6	TRIGGER SWITCH (BROWN)
7	---
8	NEUTRAL (WHITE)
9	POWER (BLACK)

Your Gun
Configuration

DG-411-S, Linear Swivel
 DG-413-S, 360 Plus Swivel
 Standard Hose Entry



DG-413-T, 360 Plus Swivel
 Top Hose Entry



BILL OF MATERIALS

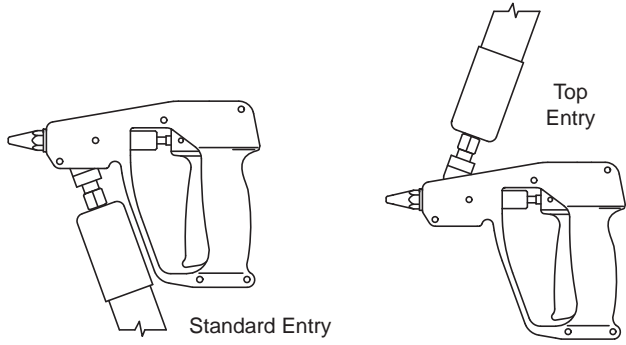
ITEM	DESCRIPTION:	PART NO.	QTY.	DG-411-S	DG-413-S	DG-413-T
1a	Plastic Gun Body (Standard)	125-001	1	●	●	●
1b	Plastic Gun Body (Top Entry)	125-002	1			●
2	Trigger	125-004	1	●	●	●
3a	Heater Harness (Standard)	912-110	1	●	●	●
3b	Heater Harness (Top Entry)	912-111	1			●
3c	Heater Harness (Standard) 35W	912-112	1	○	○	
3d	Heater Harness (Top Entry) 35W	912-113	1			○
4	Needle Assembly (Standard, Top Entry)	912-060	1	●	●	●
5	6-32 x 1/4" Soc Hd Cap Screw	322-002	4	●	●	●
6	Trigger Switch	912-550	1	●	●	●
7	Nozzle	See Chart	1	○	○	○
8	O'ring	520-023	1	●	●	●
9a	Heater Body w/Linear Swivel	912-547	1	●		
9b	Heater Body w/360-Plus Ball Swivel	912-545	1		●	●
10	6-32 x 1/8" Soc Hd Cap Screw	322-001	1	●	●	●
11	Trigger Pivot Pin	300-018	1	●	●	●
12	6-32 x 1/2" Soc Hd Cap Screw	322-004	5	●	●	●
13a	Control Assist Handle, Linear Swivel	912-560	1	○		
13b	Control Assist Handle, 360-Plus Swivel	912-561	1		○	○

● Standard Part
 ○ Optional Part

Hot Melt Technologies, Inc.

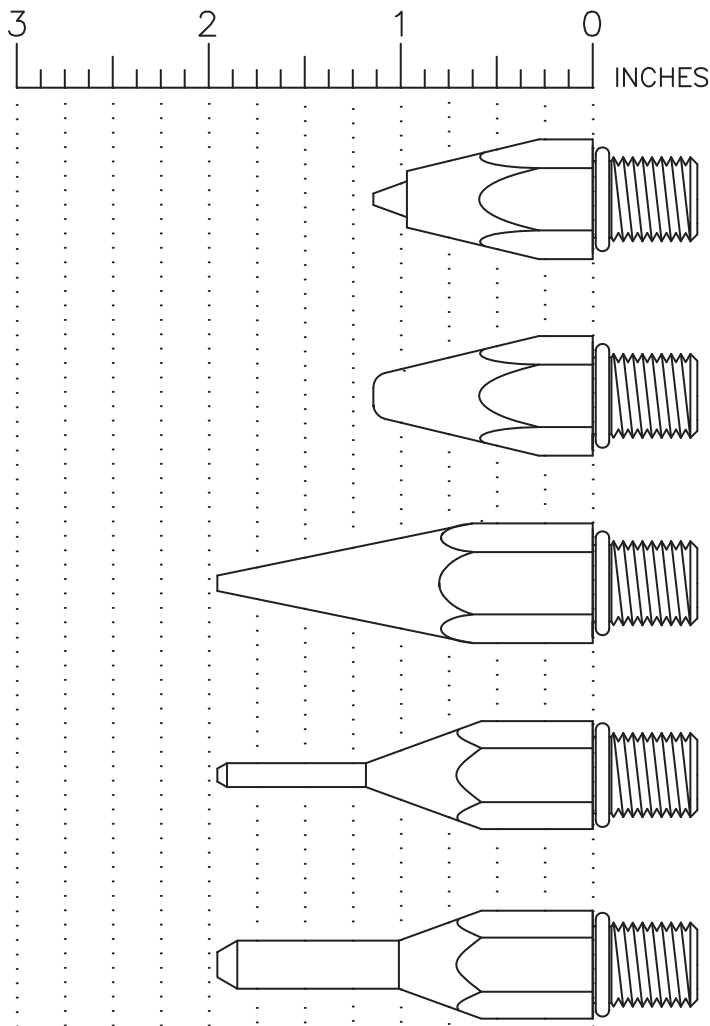
Phone: (248) 853-2011 1723 W. Hamlin Rd. P.O. Box 80067 Rochester, MI 48309 Fax: (248) 853-6650

REV: F 11-21-14



LV & HV Extrusion Nozzles

Technical Information

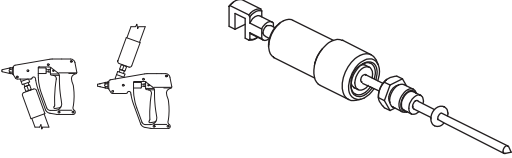
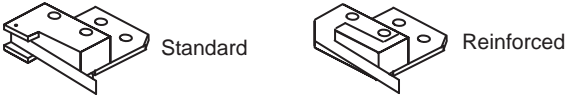
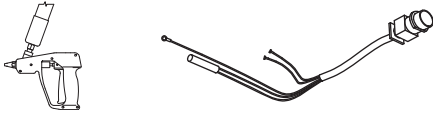
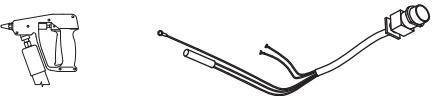
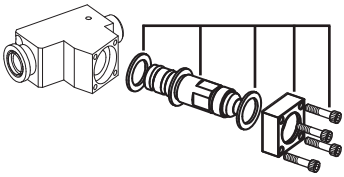
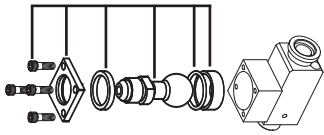
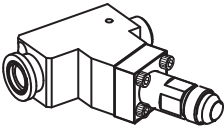
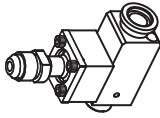
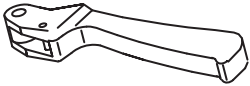
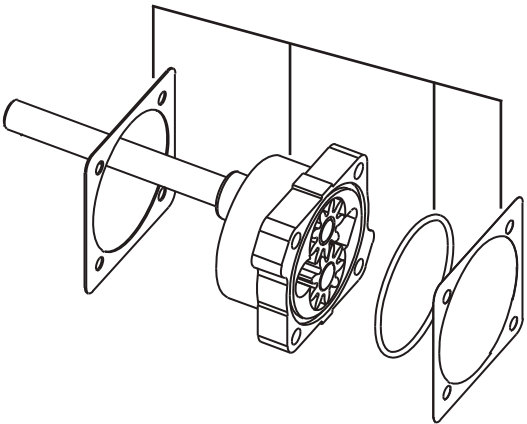
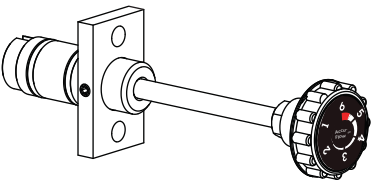


Your System Configuration	Orifice	Part No.
<input type="checkbox"/>	.020	156-240
<input type="checkbox"/>	.030	156-242
<input type="checkbox"/>	.050	156-018
<input type="checkbox"/>	.090	156-022
<input type="checkbox"/>	.050	156-080
<input type="checkbox"/>	.030	156-031
<input type="checkbox"/>	.050	156-033
<input type="checkbox"/>	.050	156-043
<input type="checkbox"/>	.090	156-047

***** SPECIAL NOTE *****
All nozzles include (1) 520-023 O-Ring

Hot Melt Technologies, Inc.

Recommended Spare Parts for Benchmark 205-LV2 & 215-HV

<p>912-060 DFS DG-400 Needle Repair Kit</p> 	<p>912-550 Trigger Switch 912-551 Trigger Switch, Reinforced</p>  <p style="text-align: center;">Standard Reinforced</p>
<p style="text-align: center;">Top Entry Handgun</p> <p>912-111 DFS Heater Harness, 120 VAC, 30W 912-113 DFS Heater Harness, 120 VAC, 35W*</p> 	<p style="text-align: center;">Standard Entry Handgun</p> <p>912-110 DFS Heater Harness, 120 VAC, 30W 912-112 DFS Heater Harness, 120 VAC, 35W*</p> 
<p>912-546 DFS Linear Swivel Repair Kit</p> 	<p>912-554 DFS Ball Swivel Repair Kit</p> 
<p>912-547 DFS Linear Swivel Heater Body Assembly</p> 	<p>912-54 DFS Ball Swivel Heater Body Assembly</p> 
<p>125-004 DFS Handgun Trigger</p> 	<p>942-030 DFS Pump Rebuild Kit</p> 
<p>940-017 DFS Accu-Flow™ Flow Control</p> 	

* Special Applications only - PLEASE CONSULT FACTORY BEFORE PURCHASING

Hot Melt Technologies, Inc.