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4/15/2014  
Parts Catalog

**ITW Dynatec**

The Next Level of Technology

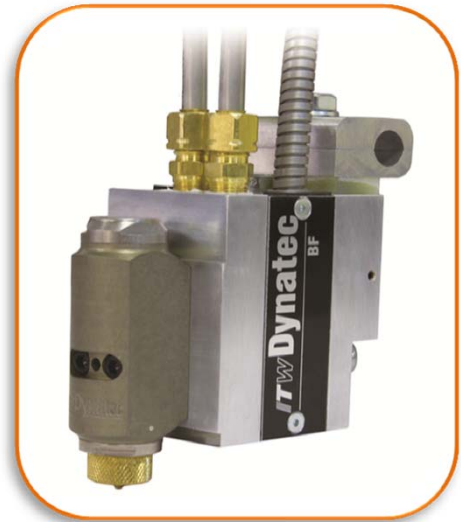
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**ITW Dynatec®**

*The Next Level of Technology*

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# Parts Catalog



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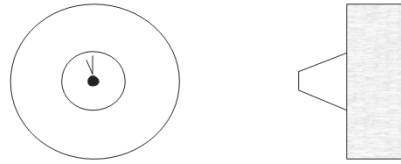
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# MOD-PLUS™ Nozzles

## Single orifice straight thru EZ™ nozzles

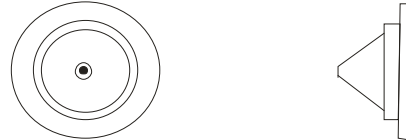
Part Number	Orifice Diameter	Part Number	Orifice Diameter
100706	.010	100711	.025
100707	.012	100712	.030
100709	.015	100713	.035
100710	.020	100714	.040



O-ring part number N00178

## Single orifice straight thru nozzles

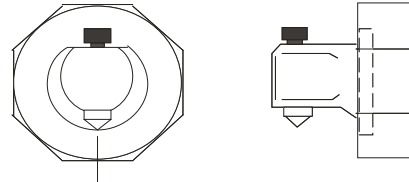
Part Number	Orifice Diameter	Part Number	Orifice Diameter
111984	0.008	L19969	.025
L19965	.010	L19970	.030
L19966	.012	L19971	.035
L19967	.015	L19972	.040
L19968	.020		



*Note: These Nozzles use L09219 Nozzle Retaining Nut.*

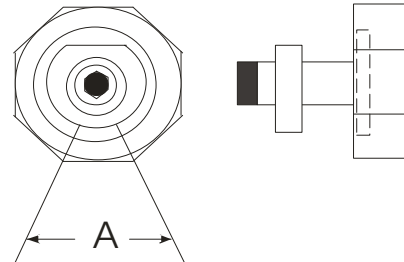
## Single orifice right angle nozzles

Part Number	Orifice Diameter	Part Number	Orifice Diameter
L09216-10	.010	L09216-30	.030
L09216-15	.015	L09216-40	.040
L09216-20	.020	L09216-60	.060
L09216-25	.025		



## Dual orifice right angle nozzles

Orifice Diameter .010		Orifice Diameter .015	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09750-1022	22	L09750-1522	22
L09750-1030	30	L09750-1530	30
L09750-1045	45	L09750-1545	45
L09750-1060	60	L09750-1560	60



## Orifice Diameter .020

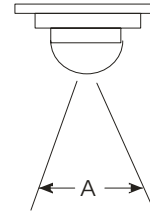
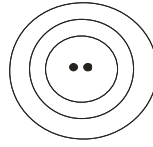
Orifice Diameter .020		Orifice Diameter .025	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09751-2022	22	L09751-2522	22
L09751-2030	30	L09751-2530	30
L09751-2045	45	L09751-2545	45
L09751-2060	60	L09751-2560	60

Orifice Diameter .030	
Part Number	Degree Angle "A"
L09751-3022	22
L09751-3030	30
L09751-3045	45
L09751-3060	60

# MOD-PLUS™ Nozzles

## Dual orifice straight through nozzles

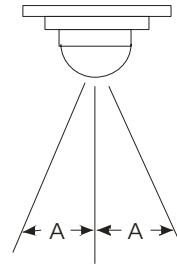
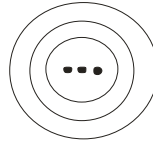
Orifice Diameter .010		Orifice Diameter .015	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09350-1015	15	L09350-1515	15
L09350-1022	22	L09350-1522	22
L09350-1030	30	L09350-1530	30
L09350-1045	45	L09350-1545	45
L09350-1060	60	L09350-1560	60
L09350-1090	90	L09350-1590	90



Orifice Diameter .020		Orifice Diameter .025		Orifice Diameter .030	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09350-2015	15	L09350-2515	15	L09350-3015	15
L09350-2022	22	L09350-2522	22	L09350-3022	22
L09350-2030	30	L09350-2530	30	L09350-3030	30
L09350-2045	45	L09350-2545	45	L09350-3045	45
L09350-2060	60	L09350-2560	60	L09350-3060	60
L09350-2090	90	L09350-2590	90	L09350-3090	90

## Triple orifice straight through nozzle

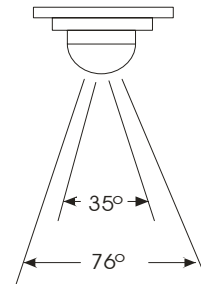
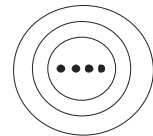
Orifice Diameter .010		Orifice Diameter .015	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09276-1022	22	L09276-1522	22
L09276-1030	30	L09276-1530	30
L09276-1045	45	L09276-1545	45



Orifice Diameter .020		Orifice Diameter .025	
Part Number	Degree Angle "A"	Part Number	Degree Angle "A"
L09276-2022	22	L09276-2522	22
L09276-2030	30	L09276-2530	30
L09276-2045	45	L09276-2545	45

## Quad orifice straight through nozzles

Part Number	Orifice Diameter
L10382-15	.015
L10382-20	.020
L10382-25	.025



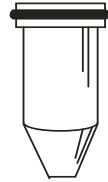
### Notes

1. The angle between the two center orifices is 35 degrees.
2. The angle between the two outer orifices is 76 degrees.
- 3) These Nozzles use L09219 Nozzle Retaining Nut.

# MOD-PLUS™ Extended Nozzles

## Single orifice straight through extended .900 nozzles (Brass)

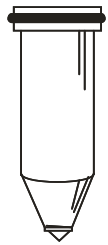
Part Number	Orifice Diameter	Part Number	Orifice Diameter
101367	.015	101371	.040
101368	.020	101372	.055
101369	.025	101373	.070
101370	.030		



O-ring part number N00178

## Single orifice straight through extended 1.50 nozzles (Brass)

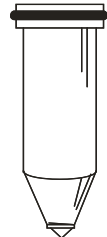
Part Number	Orifice Diameter	Part Number	Orifice Diameter
101449	.010	101453	.030
101450	.015	101454	.040
101451	.020	101455	.070
101452	.025		



O-ring part number N00178

## Single orifice straight through extended 1.50 nozzles (Steel)

Part Number	Orifice Diameter	Part Number	Orifice Diameter
101374	.010	101378	.030
101375	.015	101379	.040
101376	.020	101380	.070
101377	.025		

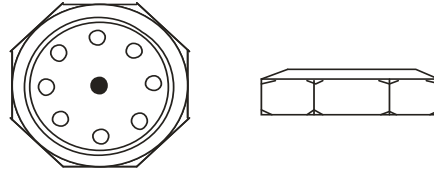


O-ring part number N00178

# MOD-PLUS™ Swirl Caps & Nozzles

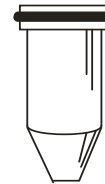
## MOD-PLUS™ Swirl Caps

Part Number	Orifice Diameter	Orifice Angle Degree
L18790	.035	15
L18791	.035	20
L18792	.035	25
L18793	.035	30
L18794	.035	35
L18795	.040	15
L18796	.040	20
L18797	.040	25
L18798	.040	30
L18799	.040	35



## MOD-PLUS™ Swirl Nozzles

Part Number	Orifice Diameter	Part Number	Orifice Diameter
101367	.015	101371	.040
101368	.020	101372	.055
101369	.025	101373	.070
101370	.030	107584	0.90

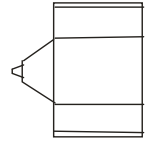
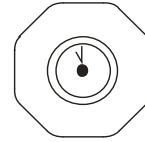


O-ring part number N00178

# MicroBead™ Nozzles

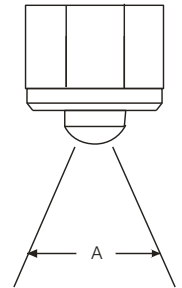
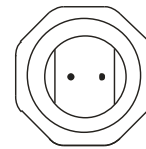
## Single orifice straight through nozzles

Part Number	Orifice Diameter	Part Number	Orifice Diameter
MM2501	0.008	MM2510	0.022
MM2503	0.010	MM2511	0.024
MM2504	0.012	MM2513	0.028
MM2505	0.014	MM2514	0.030
MM2507	0.016	MM2515	0.032
MM2508	0.018	MM2516	0.040
MM2509	0.020	MM2517	0.047



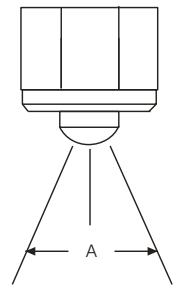
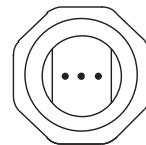
## Dual orifice straight through nozzles

Part Number	Orifice Diameter	Degree Angle "A"	Part Number	Orifice Diameter	Degree Angle "A"
MM1371	0.012	15°	MM1122	0.008	45°
MM1352	0.016	15°	MM1123	0.010	45°
MM1193	0.008	17°	MM1124	0.012	45°
MM1194	0.012	17°	MM1125	0.014	45°
MM1196	0.016	17°	MM1126	0.016	45°
MM1198	0.020	17°	MM1127	0.018	45°
MM1199	0.028	17°	MM1128	0.020	45°
MM1152	0.008	30°	MM1129	0.028	45°
MM1153	0.010	30°	MM1188	0.016	60°
MM1154	0.012	30°	MM1190	0.018	60°
MM1155	0.014	30°	MM1177	0.010	90°
MM1156	0.016	30°			
MM1157	0.018	30°			
MM1158	0.020	30°			
MM1150	0.028	30°			
MM1159	0.029	30°			



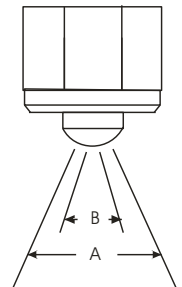
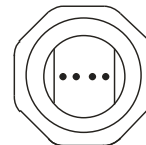
## Triple orifice straight through nozzle

Part Number	Orifice Diameter	Degree Angle "A"	Part Number	Orifice Diameter	Degree Angle "A"
MM1132	0.080	45°	MM1136	0.016	45°
MM1133	0.010	45°	MM1137	0.018	45°
MM1134	0.012	45°	MM1138	0.020	45°
MM1135	0.014	45°	MM1139	0.028	45°



## Quad orifice straight through nozzle

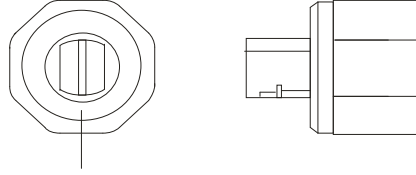
Part Number	Orifice Diameter	Degree Angle "A"	Degree Angle "B"
MM2349	0.020	84°	40°
MM2347	0.012	90°	40°
MM2348	0.020	90°	40°
MM2350	0.020	106°	78°



# MicroBead™ Nozzles

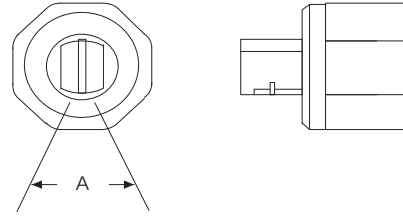
## Single orifice 90° nozzles

Part Number	Orifice Diameter	Part Number	Orifice Diameter
MM1510	0.008	MM3909	0.024
MM3904	0.012	MM3908	0.028
MM3906	0.016	MM1530	0.030
MM1518	0.018	MM3900	0.039
MM3907	0.020		



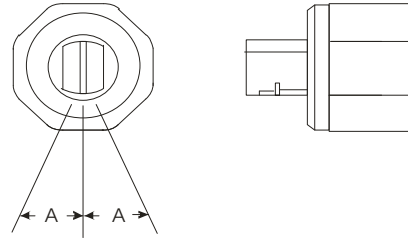
## Dual orifice 90° nozzles

Part Number	Orifice Diameter	Degree Angle "A"	Part Number	Orifice Diameter	Degree Angle "A"
MM1618	0.018	15°	MM1724	0.018	30°
MM1624	0.024	15°	MM1728	0.024	30°
MM4914	0.012	15°	MM4924	0.012	30°
MM4916	0.016	15°	MM4926	0.016	30°
MM4917	0.020	15°	MM4927	0.020	30°
			MM1618	0.018	45°
			MM3908	0.028	90°



## Triple orifice 90° nozzle

Part Number	Orifice Diameter	Degree Angle "A"
MM1808	0.020	45°

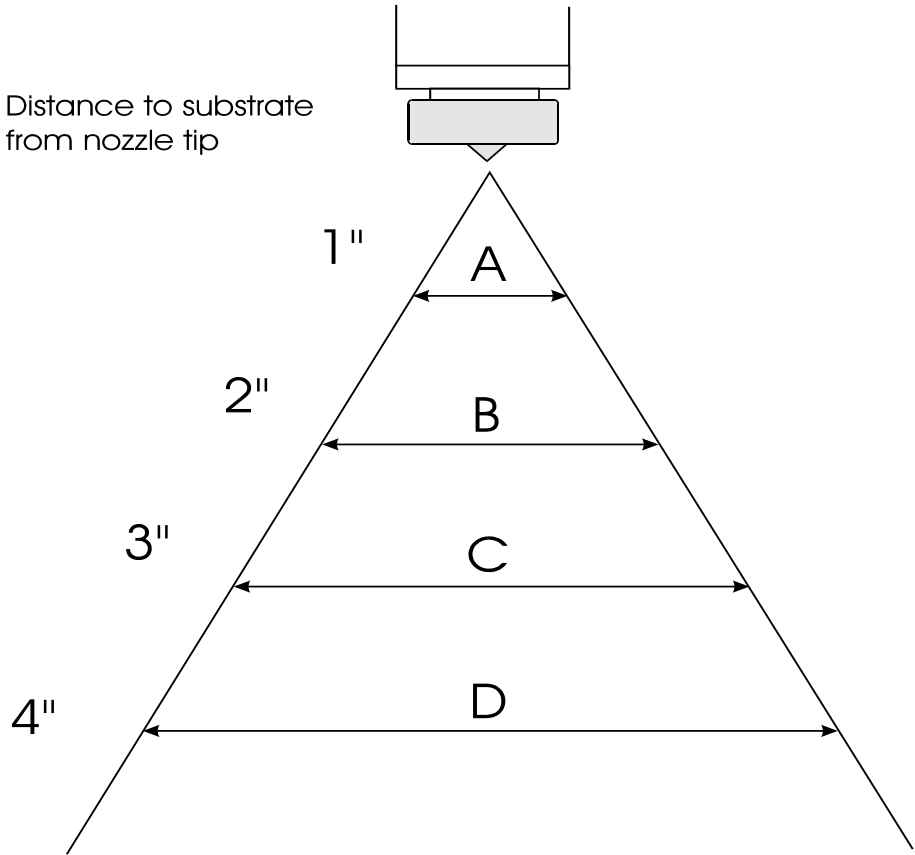


## Notes

1. The angle between the two center orifices is 35 degrees.
2. The angle between the two outer orifices is 76 degrees.



# Multi Orifice Angle Chart

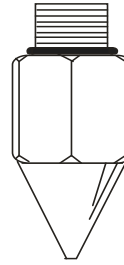
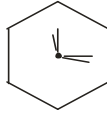


	Degree of Angle					
	15°	22°	30°	45°	60°	90°
Dimension A	1/8"	3/8"	9/16"	13/16"	1 - 1/8"	2"
Dimension B	17/32"	3/4"	1 - 1/16"	1 - 11/16"	2 - 1/8"	4"
Dimension C	13/16"	1 - 3/16"	1 - 5/8"	2 - 1/2 "	3 - 1/4"	6"
Dimension D	1 - 1/16"	1 - 9/16"	2 - 1/8"	3 - 5/16"	4 - 1/4"	8"

# DG2™ Bead Nozzles

## DG2™ Single orifice straight through 1.125" nozzles (Brass)

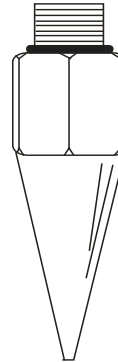
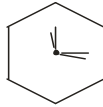
Part Number	Orifice Diameter
108643	.025
108644	.040
108645	.055
108646	.070
108647	.090



O-ring part number 108328

## DG2™ Single orifice straight through Extended 1.97" nozzles (Steel)

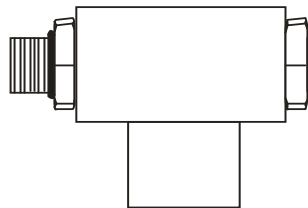
Part Number	Orifice Diameter
108654	.025
108655	.040
108656	.055
108657	.070
108658	.090



O-ring part number 108328

## DG2™ Right Angle Bead Adapter

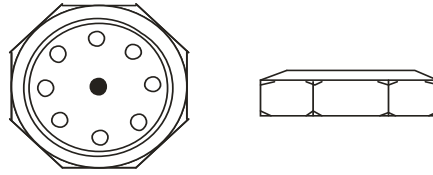
Part Number
108927



# DG2™ Swirl Caps & Nozzles

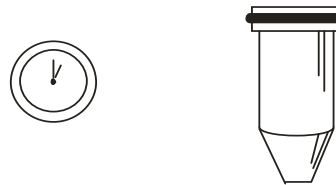
## DG2™ Swirl Caps

Part Number	Orifice Diameter	Orifice Angle Degree
L18790	.035	15
L18791	.035	20
L18792	.035	25
L18793	.035	30
L18794	.035	35
L18795	.040	15
L18796	.040	20
L18797	.040	25
L18798	.040	30
L18799	.040	35



## DG2™ Swirl Nozzles

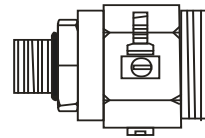
Part Number	Orifice Diameter	Part Number	Orifice Diameter
101367	.015	101371	.040
101368	.020	101372	.055
101369	.025	101373	.070
101370	.030	107584	0.90



O-ring part number N00178

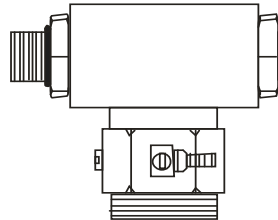
## DG2™ Straight Swirl Adapter

Part Number  
108660



## DG2™ Right Angle Swirl Adapter

Part Number  
108663



**Note:**

1) Swirl Adapter Kit Must be ordered when installing on a DG2™

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# Dynaflex™ Applicator Hoses

## Specifications

Hose size	5/16" ID (3/8" Nominal)
Wattage	30 - 45 watts/foot (depending on supply voltage)
Fluid fittings	9/16"-18 37° JIC female swivel at both ends.
Wiring	Uses 1000 VAC 500°F (260°C) nickel-plated copper multi-strand, TFE insulated.
Flex hose	Smooth innercore of extruded TFE (minimum wall thickness .031) with type 304 stainless steel wire braid reinforcement.
Maximum operating temperature	425°F (218°C) continuous 500°F (260°C) Intermittent.
Maximum operating pressure	1500 PSI (102 bar) at 450°F (232°C)
Maximum burst pressure	7500 PSI (510 bar) at 450°F (232°C)

## Power requirements

Voltage 110-120 VAC/ 1ph/ 50-60 Hz

Wattage

Length		Wattage
Feet	M	
4	1.2	172
6	1.8	258
8	2.4	344
10	3.1	430
12	3.7	516

Voltage 200-240 VAC/ 1ph/ 50-60 Hz

Wattage

Length		Wattage
Feet	M	
4	1.2	120-172
6	1.8	180-258
8	2.4	240-344
10	3.1	300-430
12	3.7	360-516
16	4.9	480-688

# Dynaflex™ Applicator Hoses



## DYNAFLEX™ DYNACONTROL® Hoses

Part				Part			
Number	Feet	Meters	Voltage	Number	Feet	Meters	Voltage
102437	4	1.2	120	102137	2	0.6	200/240
102438	6	1.8	120	101083	4	1.2	200/240
102439	8	2.4	120	101084	6	1.8	200/240
102440	10	3.1	120	101085	8	2.4	200/240
102441	12	3.7	120	101086	10	3.1	200/240
109483	16	4.9	120	101087	12	3.7	200/240
111805	20	6.1	120	101088	16	4.9	200/240
				102138	20	6.1	200/240
				101089	24	7.3	200/240

## DYNAFLEX™ DYNACONTROL® Abrasion Resistant Hoses

Part				Part			
Number	Feet	Meters	Voltage	Number	Feet	Meters	Voltage
104634	8	2.4	120	104562	8	2.4	200/240
104635	10	3.1	120	104563	10	3.1	200/240
104636	12	3.7	120	104564	12	3.7	200/240
110690	16	4.9	120	104565	16	4.9	200/240
112912	20	6.1	120	104566	20	6.1	200/240
				104567	24	7.3	200/240

## DYNAFLEX™ DYNACONTROL® Water Resistant Hoses

Part Number	Feet	Meters	Voltage
103710	6	1.8	200/240
103711	8	2.4	200/240
103712	10	3.1	200/240
103713	12	3.7	200/240
103714	16	4.9	200/240
103716	20	6.1	200/240
103717	24	7.3	200/241

## HOSE FITTINGS and HANGERS

Part Number	Description
N07830	90° Elbow, # 6 JIC
N07831	45° Elbow, # 6 JIC
113342	Kit, Hose Hanger (5)

### Notes:

1. For Hose Part Numbers not listed call Service Parts.
2. All hoses available on QX Program™.

# Dynaflex™ Swirl Applicator Hoses



## DYNAFLEX™ DYNACONTROL® Swirl Hoses

Part				Part			
Number	Feet	Meters	Voltage	Number	Feet	Meters	Voltage
102442	8	2.4	120	102173	8	2.4	200/240
102443	10	3.1	120	102174	10	3.1	200/240
102444	12	3.7	120	102175	12	3.7	200/240
111549	16	4.9	120	102176	16	4.9	200/240
112911	20	6.1	120	102177	20	6.1	200/240
				102178	24	7.3	200/240

## DYNAFLEX™ DYNACONTROL® Abrasion Resistant Swirl Hoses

Part				Part			
Number	Feet	Meters	Voltage	Number	Feet	Meters	Voltage
104637	8	2.4	120	104640	8	2.4	200/240
104638	10	3.1	120	104641	10	3.1	200/240
104639	12	3.7	120	104642	12	3.7	200/240
110694	16	4.9	120	104643	16	4.9	200/240
112913	20	6.1	120	104644	20	6.1	200/240
				104645	24	7.3	200/240

## HOSE FITTINGS and HANGERS

Part	
Number	
N07830	90° Elbow, # 6 JIC
N07831	45° Elbow, # 6 JIC
113342	Kit, Hose Hanger (5)

### Notes:

1. For Hose Part Numbers not listed call Service Parts.
2. All hoses available on QX Program™.

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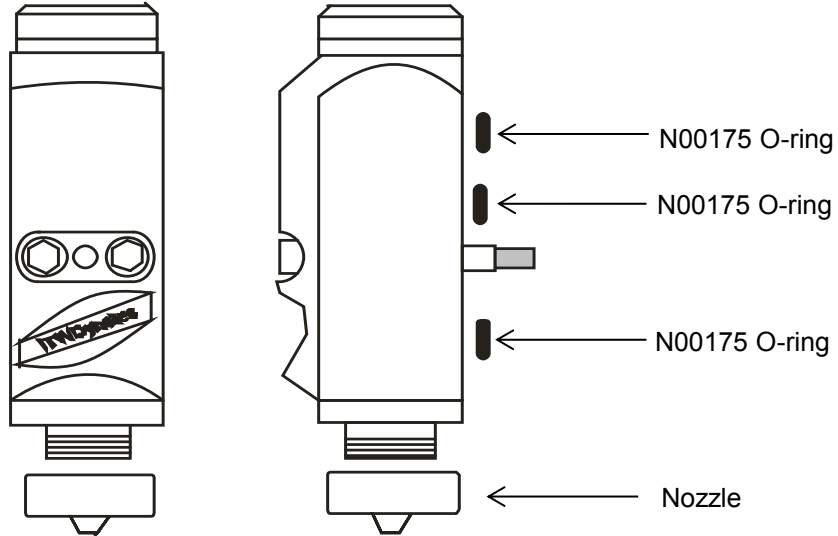
# MOD-PLUS™ Adhesive Modules

## BEAD

Part Number 110639

Part Number 111456 Adjustable

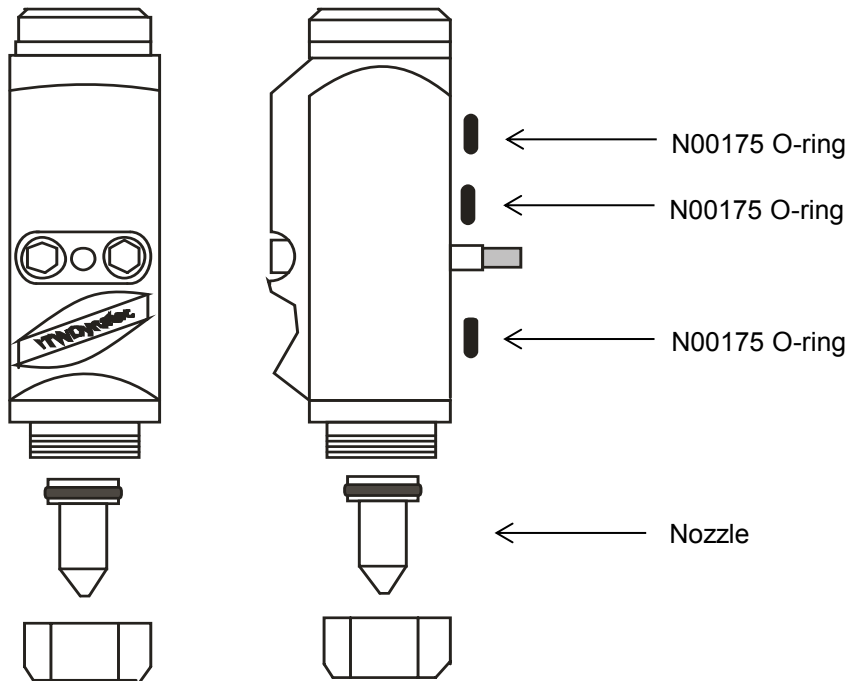
Replaced Part Number L18047



## EXTENDED NOZZLE BEAD

Part Number 118150

Replaced 100401



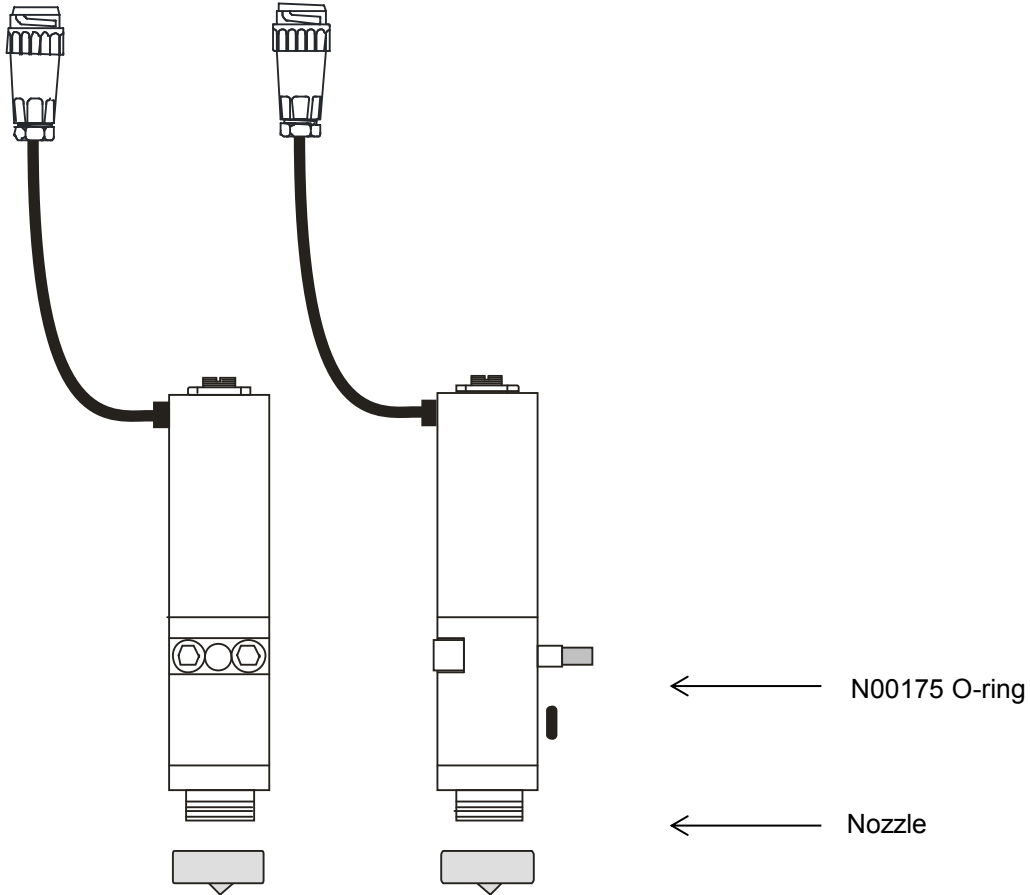
**Notes: 1. Nozzles to be ordered separately, see Nozzles section.**

# MOD-PLUS™ Electric Adhesive Modules

## ELECTRIC BEAD

Part Number 106144

Part Number 110183 Water Resistant



(Rebuild Kit Part Number 106141)

(Replacement Coil for 106144 Part Number 104425)

(Replacement Coil for 110183 Part Number 109775)

### Notes:

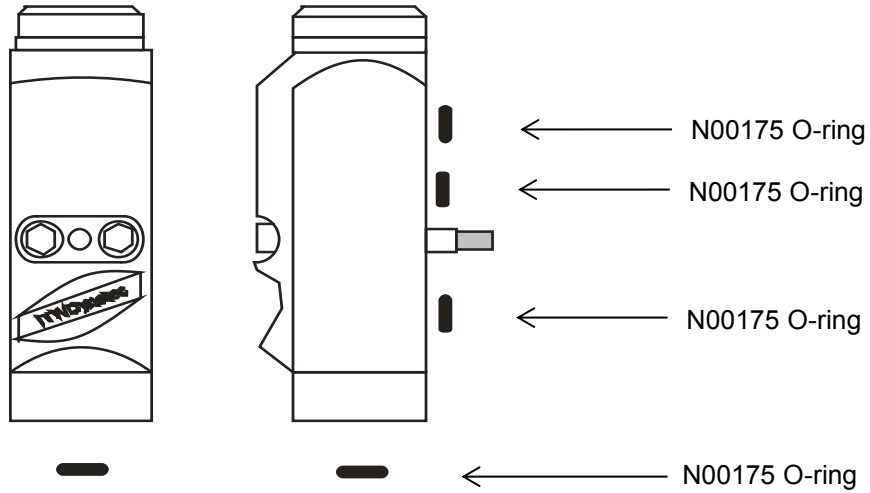
1. Nozzles to be ordered separately, see Nozzles section.

# MOD-PLUS™ Adhesive Modules

## SLOT

Part Number 118101

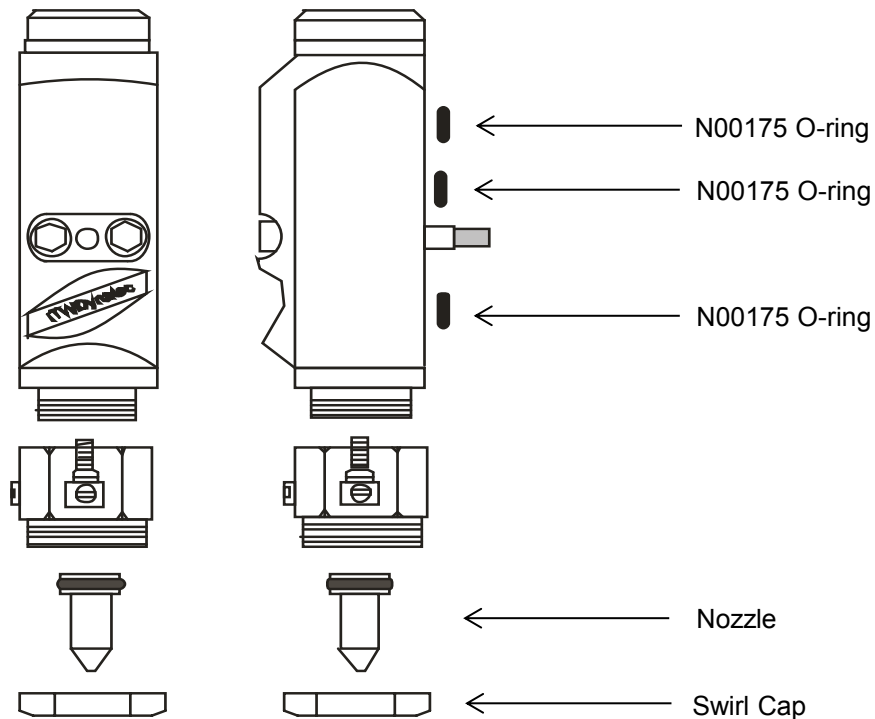
Replaced Part Number J20808



## SWIRL

Part Number 118148

Replaced Part Number L19961



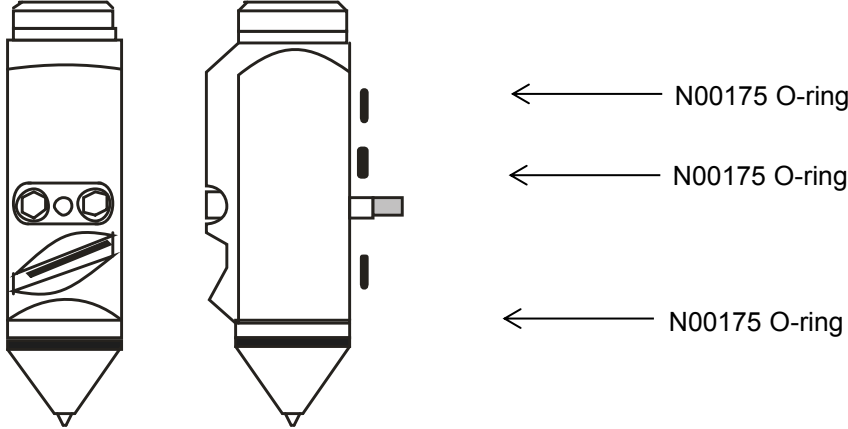
### Notes:

1. Nozzles and Swirl caps to be ordered separately, see Nozzle section.

# MOD-PLUS™ Optima Adhesive Modules

## Optima Module

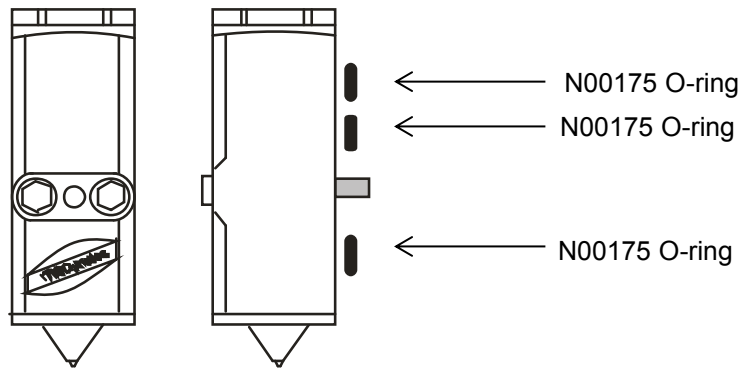
Part Number 109729	#2 Brown	.0095"
Part Number 109730	#3 Red	.011"
Part Number 109731	#4 Orange	.013"
Part Number 109732	#5 Yellow	.015"
Part Number 109733	#6 Green	.018"
Part Number 109735	#8 Purple	.024"
Part Number 109737	#10 White	.040"



# Micro Adhesive Modules

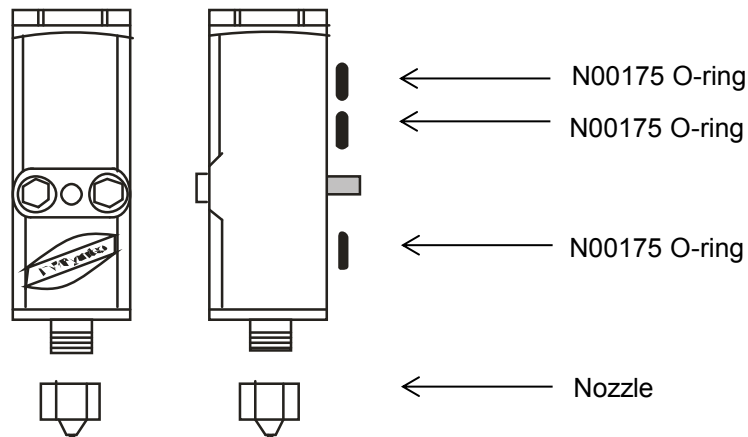
## Micro Optima Module

		Orifice
Part Number 7020	#1	.008"
Part Number 7021	#2	.0085"
Part Number 7022	#3	.009"
Part Number 7023	#4	.011"
Part Number 7024	#5	.013"
Part Number 7025	#6	.015"
Part Number 7026	#7	.018"
Part Number 7027	#8	.020"
Part Number 7028	#9	.024"
Part Number 7029	#10	.031"
Part Number 7030	#11	.039"



## Micro Module

Part Number 7050

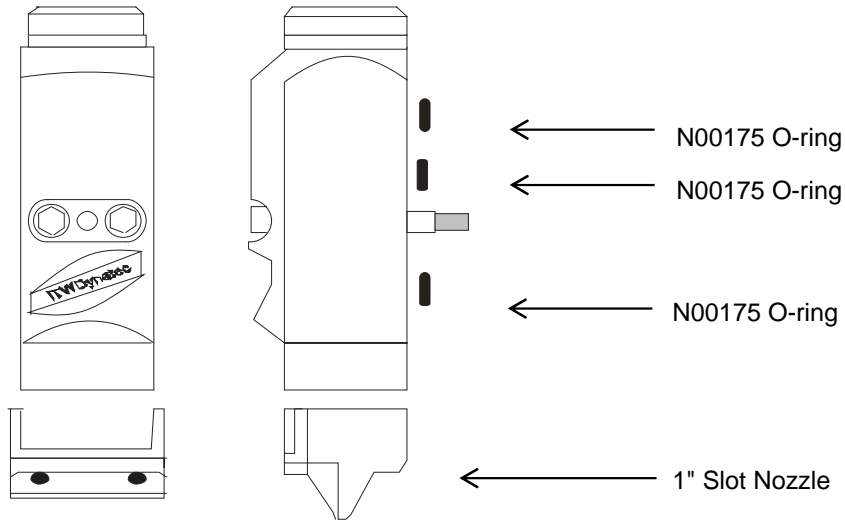


# MOD-PLUS™ Adhesive Modules

## 1" SLOT Module and Nozzle

Part Number 118101

Replaced Part Number J20808



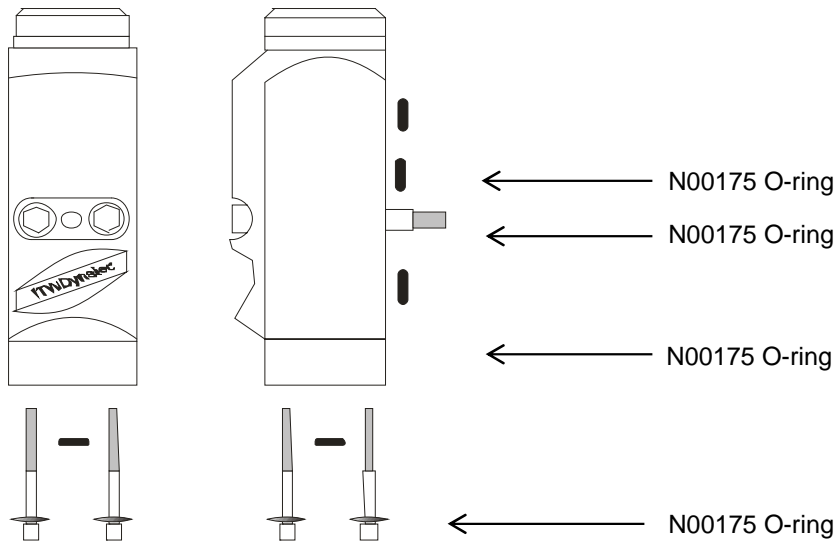
Part Number 118700 (Module and 1" Slot Nozzle)

Part Number 118101 Module (only)

Part Number 118699 1" Slot Nozzle (only)

## Shoe Nozzle

Part Number 118149



# Mod-Plus™ BF Applicators

## Specifications

Dimensions	see dimensional layout on following page
Fluid Fittings	9/16"-18 37° JIC male.
Maximum Operating Temperature	425°F (218°C)
Maximum Operating Pressure	1000 PSI (68 bar)
Warm-up Time	15 minutes
Cycle rate	5000 cycles/minute maximum
Adhesive viscosity	100 to 50,000 centipoise

## Air requirements

Air pressure range	70 to 140 psi (4.8 to 9.5 bar)
Air consumption	.01 SCFM per module @ 100 cycles/minute (.28 liters/minute @ 100 cycles/minute)

## Power requirements

Voltage 110-120 VAC/ 1 ph/ 50-60 Hz

Wattage

Ports	Spacing		Wattage
	Inches	MM	
1			200
2	0.86	22	200
2*	1.73	44	240
3	0.86	22	320
4	0.86	22	320
4*	0.86	22	360
6	0.86	22	500
8	0.86	22	600

\* Spacing between two center ports is 1.73" (44mm).

Voltage 200-240 VAC/ 1 ph/ 50-60 Hz

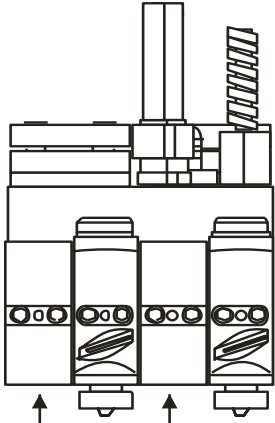
Wattage

Ports	Spacing		Wattage
	Inches	MM	
1			220
2	0.86	22	220
2*	1.73	44	400
3	0.86	22	475
4	0.86	22	475
4*	0.86	22	585
6	0.86	22	775
8	0.86	22	960

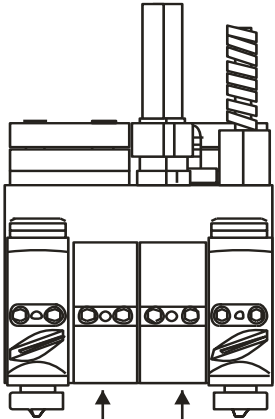
\* Spacing between two center ports is 1.73" (44mm).

# Mod-Plus™ BF Applicators

Below are some examples of how the blank module is used.  
The blank module is used in cases when special spacing is required and a standard MOD-PLUS applicator can be used with the installation of blank modules.  
This will eliminate the need for ordering special MOD-PLUS applicators.



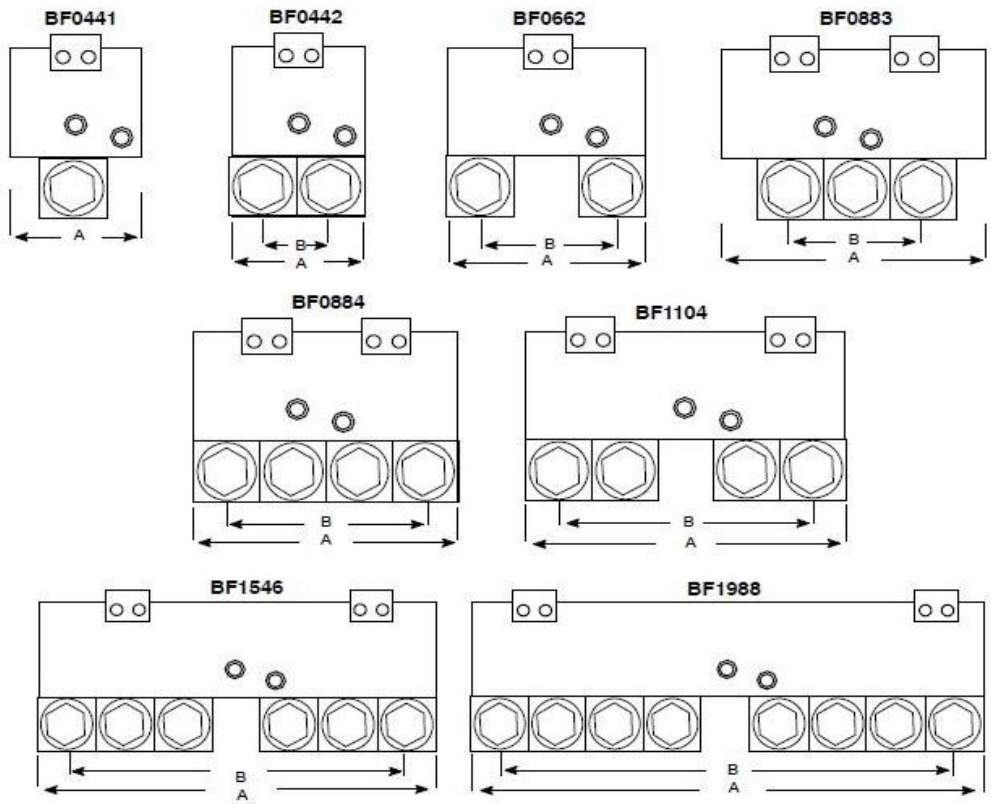
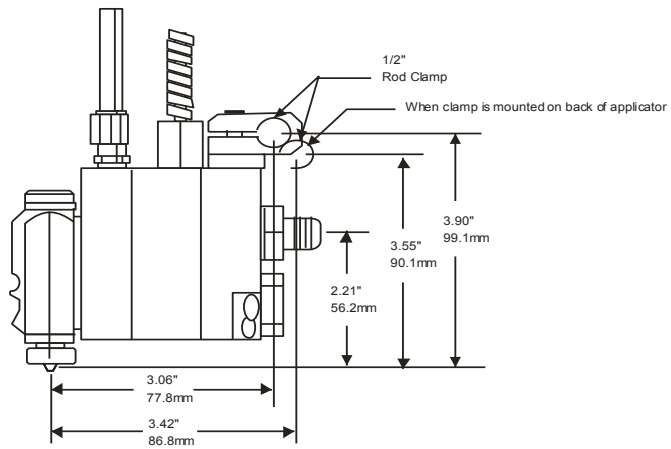
Blank Module P/N L18500



Blank Module P/N L18500



# Mod-Plus™ BF Applicators



Model	Number Of Modules	Dimensions	
		A	B
BF0441	1	1.73 44mm	
BF0442	2	1.73 44mm	.86" 22mm
BF0662	2	2.6" 66mm	1.73" 44mm
BF 883	3	3.46" 88mm	1.76" 45mm

Model	Number Of Modules	Dimensions	
		A	B
BF0884	4	3.46" 88mm	2.6" 66mm
BF1104	4	4.33" 110mm	3.46" 88mm
BF1546	6	6.06" 154mm	5.2" 132mm
BF1988	8	7.8" 198mm	6.93" 176mm

Module Spacing:	.86" 22mm
-----------------	--------------

# Mod-Plus™ BF Applicators



## DYNACONTROL® Mod-Plus™ BF Bead Applicators

Part Number	Modules	Spacing	Voltage	Part Number	Modules	Spacing	Voltage
BF0441BD1S	1		120	BF0441BD2S	1		200/240
BF0442BD1S	2	22	120	BF0442BD2S	2	22	200/240
BF0662BD1S	2	44	120	BF0662BD2S	2	44	200/240
BF0884BD1S	4	22/22/22	120	BF0884BD2S	4	22/22/22	200/240
BF1104BD1S	4	22/44/22	120	BF1104BD2S	4	22/44/22	200/240
BF1546BD1S	6	22/22/44/22/22	120	BF1546BD2S	6	22/22/44/22/22	200/240
BF1988BD1S	8	22/22/22/44/22/22/22	120	BF1988BD2S	8	22/22/22/44/22/22/22	200/240

## DYNACONTROL® Mod-Plus™ BF Water Resistant Applicators

Part Number	Modules	Spacing	Voltage
BF0441BD2W	1		200/240
BF0442BD2W	2	22	200/240
BF0662BD2W	2	44	200/240
BF0884BD2W	4	22/22/22	200/240
BF1104BD2W	4	22/44/22	200/240
BF1546BD2W	6	22/22/44/22/22	200/240
BF1988BD2W	8	22/22/22/44/22/22/22	200/240

### Notes:

1. Nozzles and solenoid must be ordered separately.
2. For Applicator Part Numbers not listed call Service Parts.
3. All applicators available on QX Program™.
4. Unless specified, the 100 Mesh filter is shipped with the BF applicator.

# Mod-Plus™ BF Applicators



## DYNACONTROL® Mod-Plus™ BF Adjustable Module Applicators

Part Number	Modules	Spacing	Voltage	Part Number	Modules	Spacing	Voltage
BF0441BT1S	1		120	BF0441BT2S	1		200/240
BF0442BT1S	2	22	120	BF0442BT2S	2	22	200/240
BF0662BT1S	2	44	120	BF0662BT2S	2	44	200/240
BF0884BT1S	4	22/22/22	120	BF0884BT2S	4	22/22/22	200/240
BF1104BT1S	4	22/44/22	120	BF1104BT2S	4	22/44/22	200/240
BF1546BT1S	6	22/22/44/22/22	120	BF1546BT2S	6	22/22/44/22/22	200/240
BF1988BT1S	8	22/22/22/44/22/22/22	120	BF1988BT2S	8	22/22/22/44/22/22/22	200/240

## DYNACONTROL® Mod-Plus™ Extended Nozzle BF Applicators

Part Number	Modules	Spacing	Voltage	Part Number	Modules	Spacing	Voltage
BF0441XD1S	1		120	BF0441XD2S	1		200/240
BF0442XD1S	2	22	120	BF0442XD2S	2	22	200/240
BF0662XD1S	2	44	120	BF0662XD2S	2	44	200/240
BF0884XD1S	4	22/22/22	120	BF0884XD2S	4	22/22/22	200/240
BF1104XD1S	4	22/44/22	120	BF1104XD2S	4	22/44/22	200/240
BF1546XD1S	6	22/22/44/22/22	120	BF1546XD2S	6	22/22/44/22/22	200/240
BF1988XD1S	8	22/22/22/44/22/22/22	120	BF1988XD2S	8	22/22/22/44/22/22/22	200/240

### Notes:

1. Nozzles and solenoid must be ordered separately.
2. For Applicator Part Numbers not listed call Service Parts.
3. All applicators available on QX Program™.
4. Unless specified, the 100 Mesh filter is shipped with the BF applicator.

# MicroBead™ Applicators

## Specifications

Dimensions	see dimensional layout on following page
Fluid Fittings	9/16"-18 37° JIC male.
Maximum Operating Temperature	425°F (218°C)
Maximum Operating Pressure	1000 PSI (68 bar)
Warm-up Time	15 minutes
Cycle rate	5000 cycles/minute maximum
Adhesive viscosity	100 to 50,000 centipoise

## Air requirements

Air pressure range	70 to 140 psi (4.8 to 9.5 bar)
Air consumption	.01 SCFM per module @ 100 cycles/minute (.28 liters/minute @ 100 cycles/minute)

## Power requirements

Voltage 110-120 VAC/ 1 ph/ 50-60 Hz

Wattage

Ports	Spacing		Wattage
	Inches	MM	
1			125
2	0.88	22	200

Voltage 200-240 VAC/ 1 ph/ 50-60 Hz

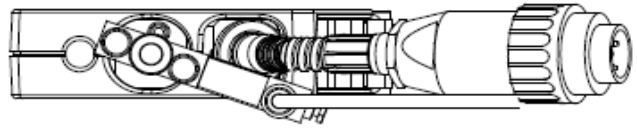
Wattage

Ports	Spacing		Wattage
	Inches	MM	
1			155
2	0.88	22	200

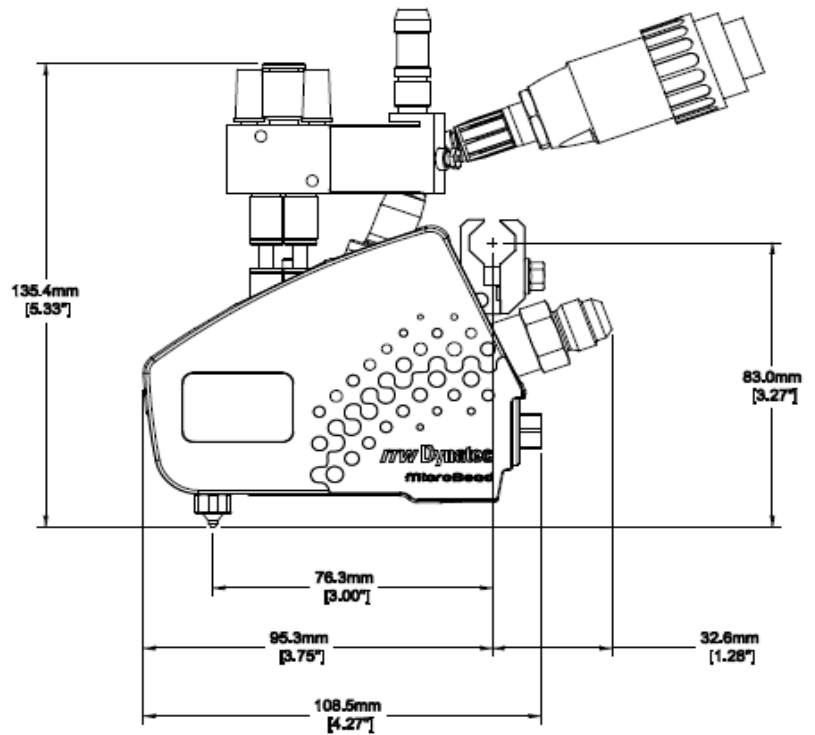
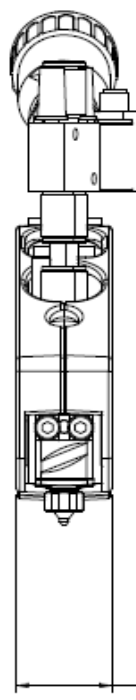
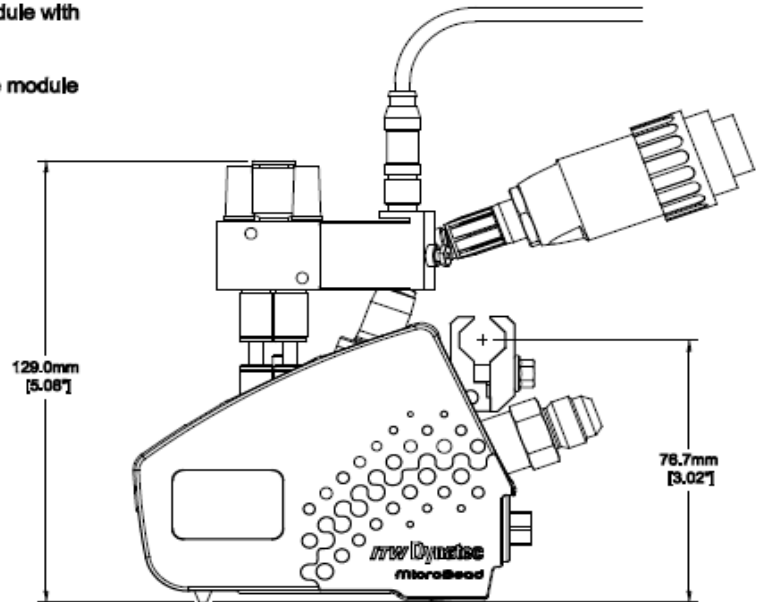
# MicroBead™ Applicators

## Dimensions

Single module (1-port) applicator assembly



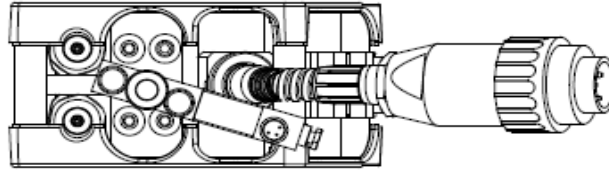
Lower view - Applicator and Micro Adjustable module with removable nozzle



# MicroBead™ Applicators

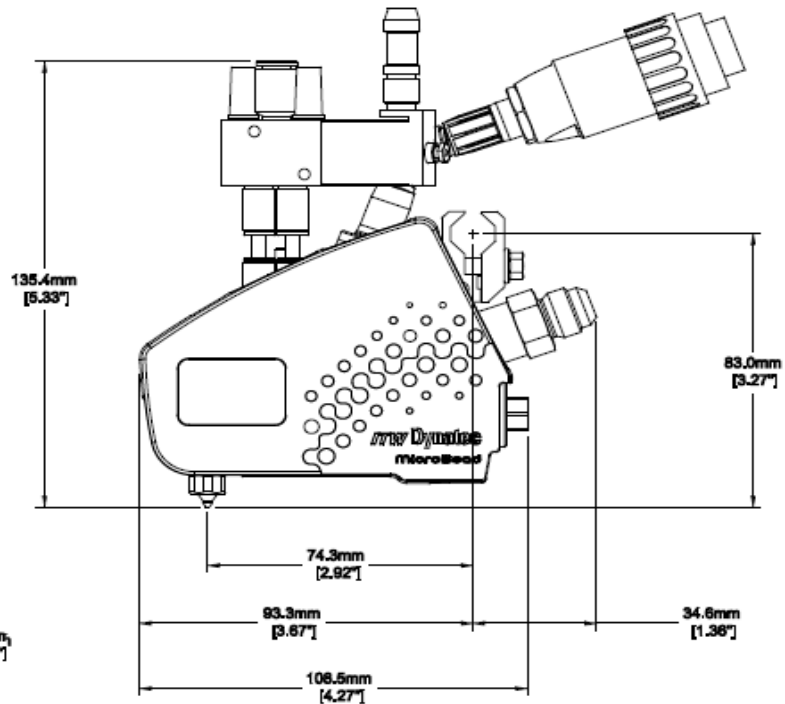
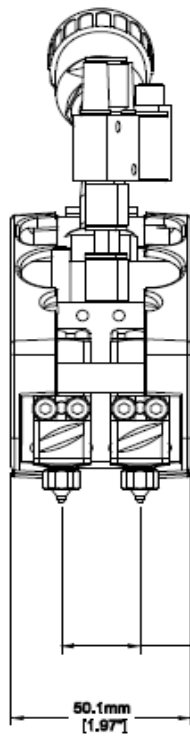
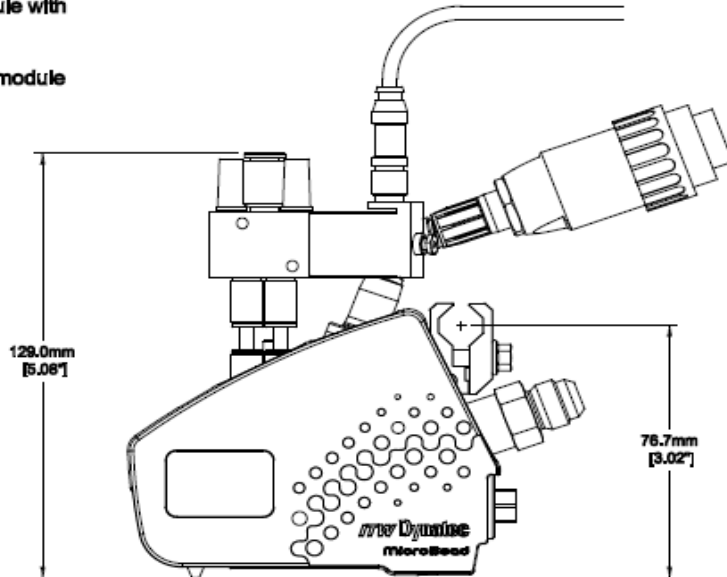
## Dimensions

Two module (2-port) applicator assembly with standard mount



Upper view - Applicator and Micro Optima Module with Integrated nozzle

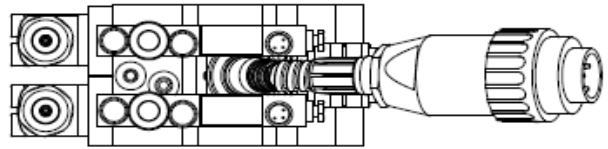
Lower view - Applicator and Micro Adjustable module with removable nozzle



# MicroBead™ Applicators

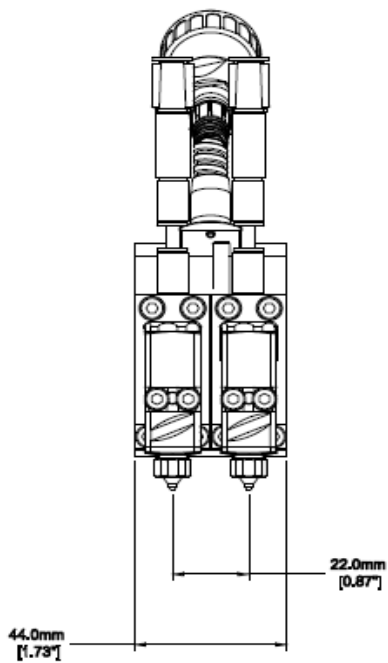
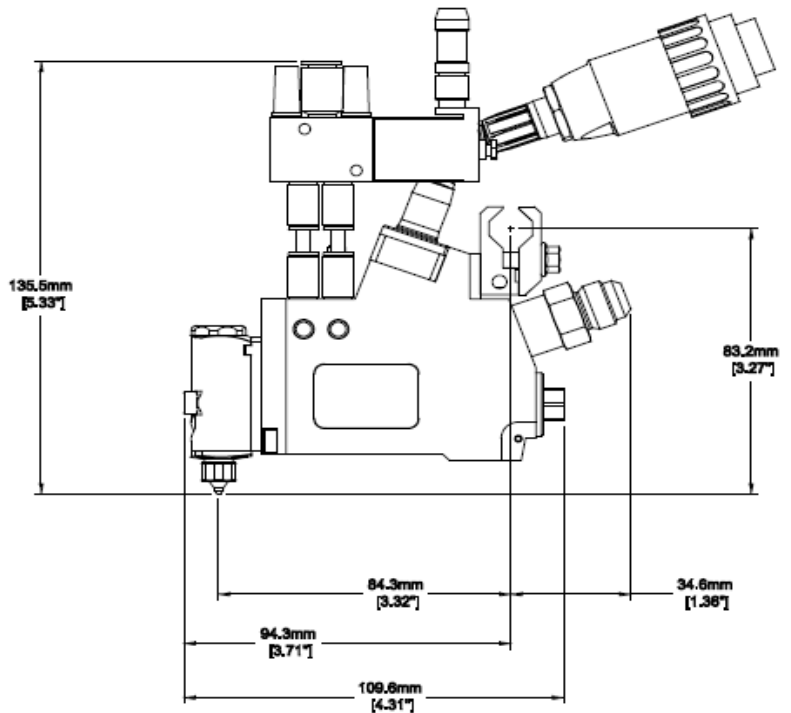
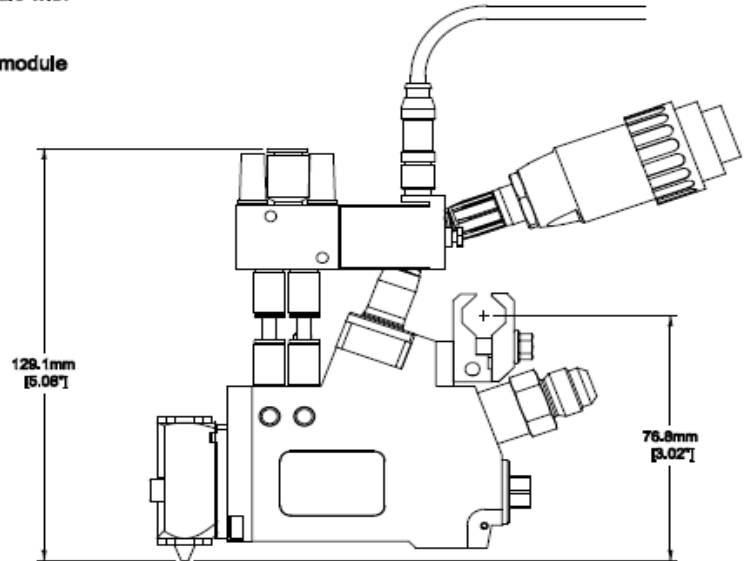
## Dimensions

Two module (2-port) applicator assembly with pivot mount



Upper view - Applicator and Micro Optima Module with Integrated nozzle

Lower view - Applicator and Micro Adjustable module with removable nozzle

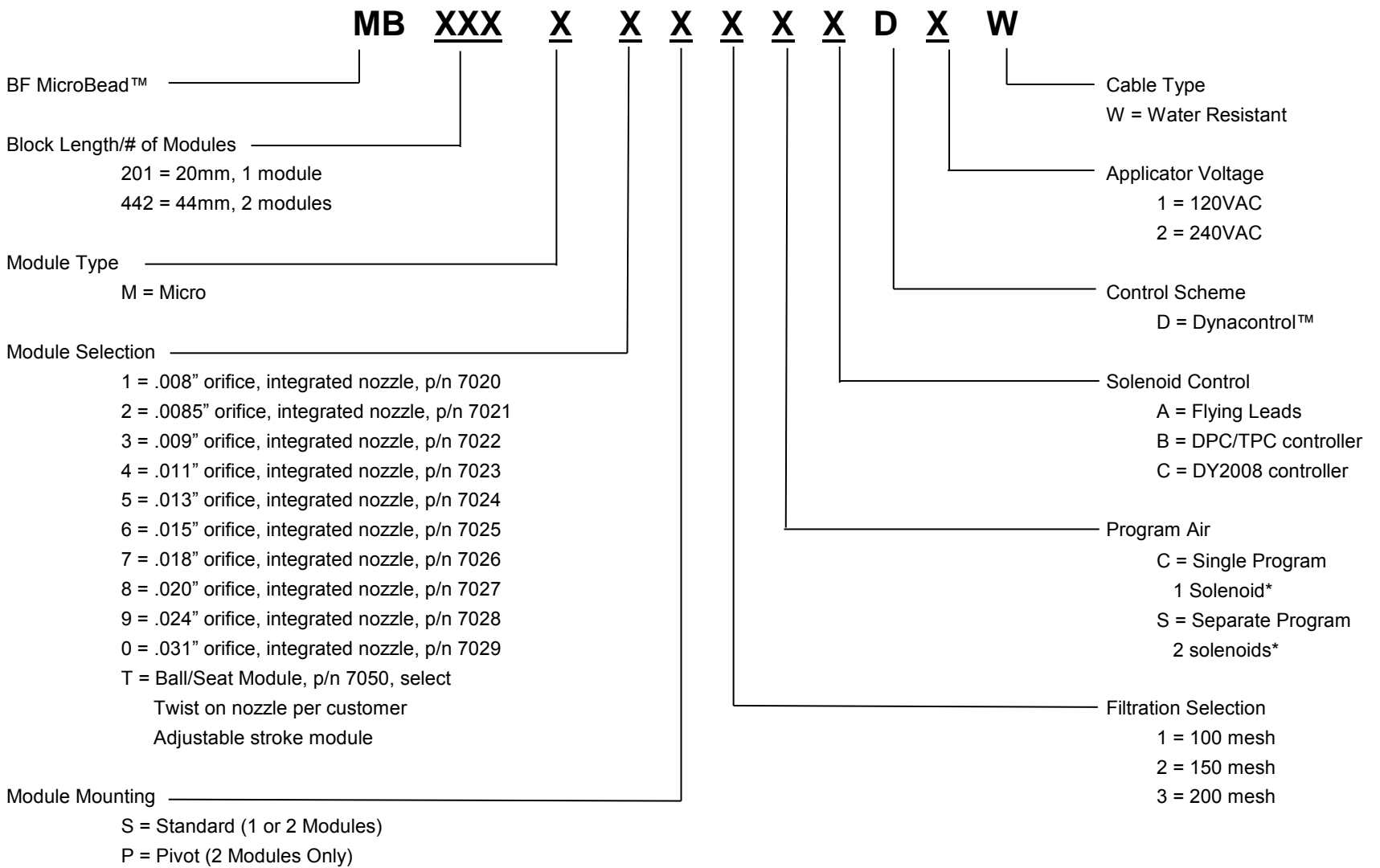


# MicroBead™ Applicators



## DYNACONTROL® MicroBead™ Applicators

### BF MicroBead™ Series – Model Number Designation



#### Accessories with part numbers (not included in applicator):

Pneumatic filter regulator kit, 50 micron – 100055

**\*All single port Module MicroBead™ Applicators come standard with one High-Speed 24VDC solenoid, two port single program with one, and two port dual program with two.**

- Notes:**
1. Nozzles must be ordered separately.
  2. For Applicator Part Numbers not listed call Service Parts.



# Mod-Plus™ Low Profile Applicators

## Specifications

Dimensions	see dimensional layout on following page
Fluid Fittings	9/16"-18 37° JIC male.
Maximum Operating Temperature	425°F (218°C)
Maximum Operating Pressure	1000 PSI (68 bar)
Warm-up Time	15 minutes
Cycle rate	5000 cycles/minute maximum
Adhesive viscosity	100 to 50,000 centipoise

## Air requirements

Air pressure range	70 to 140 psi (4.8 to 9.5 bar)
Air consumption	.01 SCFM per module @ 100 cycles/minute (.28 liters/minute @ 100 cycles/minute)

## Power requirements

Voltage 110-120 VAC/ 1 ph/ 50-60 Hz

Wattage

Ports	Spacing		Wattage
	Inches	MM	
2	0.88	22	250
2	1.76	44	300
4	0.88	22/22/22	400

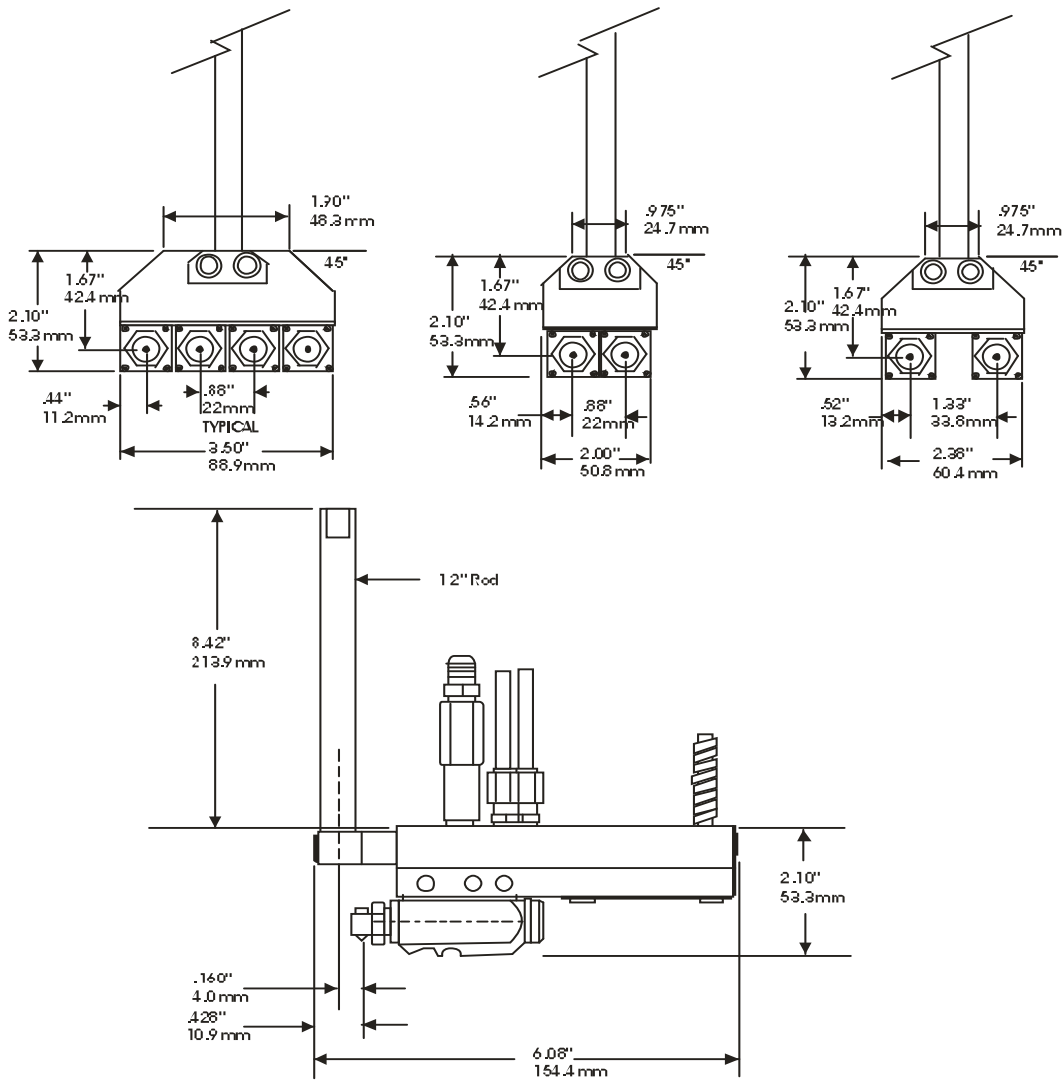
Voltage 200-240 VAC/ 1 ph/ 50-60 Hz

Wattage

Ports	Spacing		Wattage
	Inches	MM	
2	0.88	22	250

# Mod-Plus™ Low Profile Applicators

## Installation Dimensions



# Mod-Plus™ Low Profile Applicators



## DYNACONTROL® Mod-Plus™ LP Applicators

Part Number	Modules	Spacing	Voltage	Part Number	Modules	Spacing	Voltage
104348	2	22	120	103730	2	22	200/240
104343	2	44	120	101593	2	44	200/240
104344	4	22/22/22	120	101594	4	22/22/22	200/240

### Notes:

1. Nozzles and solenoid must be ordered separately.
2. For Applicator Part Numbers not listed call Service Parts.
3. All applicators available on QX Program™.
4. Unless specified, the 50 mesh filter is shipped with the LP applicator for .015 and smaller nozzle orifice sizes, specify the 100 mesh filter.

# DG2™ Hand Held Applicators

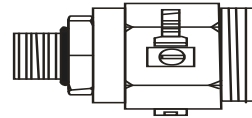


## DYNACONTROL® DG2™ Hand Held Applicators

Part Number		Voltage	Part Number		Voltage
DG2D1A	Rotary Swivel	120	DG2D2A	Rotary Swivel	200/240
DG2D1B	Ball Swivel	120	DG2D2B	Ball Swivel	200/240

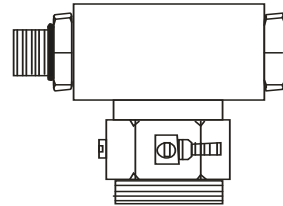
### DG2™ Straight Swirl Adapter

**Part  
Number**  
108660



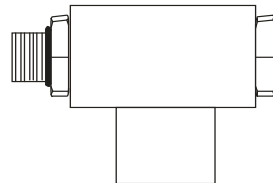
### DG2™ Right Angle Swirl Adapter

**Part  
Number**  
108663



### DG2™ Right Angle Bead Adapter

**Part  
Number**  
108927

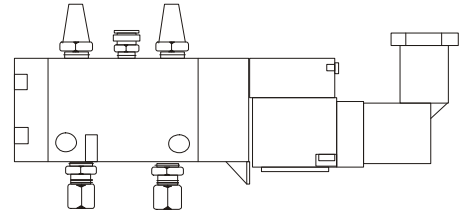


**Notes:**

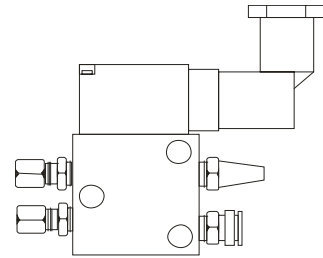
1. .055 Nozzle Included.
2. Other Nozzles to be ordered separately, see Nozzles section.
3. Swirl Adapter to be ordered separately..
4. Right Angle Bead Adapter to be ordered separately..

# Solenoids for Automatic Applicators

Part Number	Description	Fittings Included	Voltage	Coil Wattage
100421	4 Way	Yes	120AC	6.8
100422	4 Way	Yes	240AC	6.5
100383	4 Way	Yes	24VDC	8.5
108968	4 Way HS/HT		24VDC	12.7



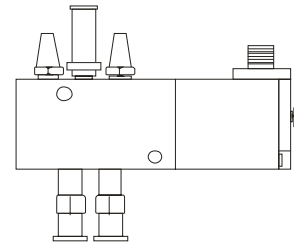
100054	4 Way HS/HT	Yes	24VDC	12.7
106193	4 Way HS/HT	Yes	120VAC	12.7



HS = High Speed  
HT = High Temp

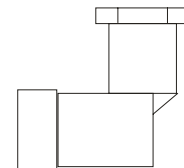
117074	4 Way HS/HT	Yes	24VDC	12.7
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Used with MicroBead™ Applicators only.



## LED Solenoid Connector

811114	LED Connector	NA	24VDC
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# Filters

## ASU MODELS

## PART NUMBER DESCRIPTION

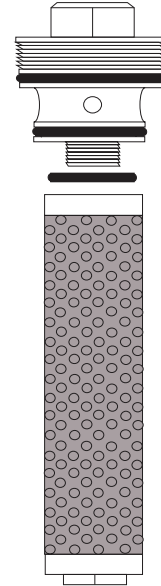
### FILTER MANIFOLD

DYMELT SR V6  
DYNAMELT M Easy Spin

117145	Filter Service Kit, 40 Mesh
117146	Filter Service Kit, 80 Mesh
117147	Filter Service Kit, 100 Mesh (Standard)
117148	Filter Service Kit, 150 Mesh
117149	Filter Service Kit, 200 Mesh

The Filter Service Kit includes Filter, O-rings and Lubricant.

814018	Filter Nut, ES <b>O-rings not included</b>
812816	O-ring
A69X133	O-ring
N00187	O-ring <b>O-rings for Filter Nut</b>

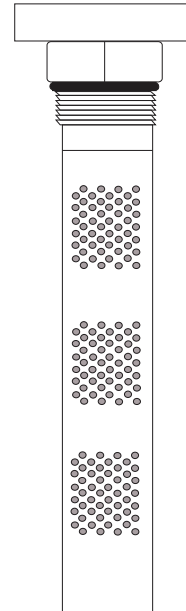


### HOPPER

DYNAMELT S05 & 10	102751
DYNAMELT S22 & 45	102752
DYNAMELT SR5 & SR10	115717

DYNAMELT M25	103745
DYNAMELT M50	104310
DYNAMELT M110	103747
DYNAMELT M165	103748
DYNAMELT M165	105295
Split Hopper	

DYNAMELT M35	105967
DYNAMELT M70 & 140	105968(right hand) & 105967(left hand) 1 each
DYNAMELT M210	105969(right hand) & 105968(left hand) 1 each

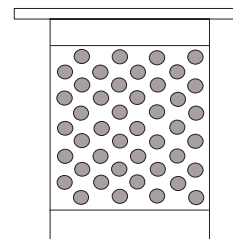


Drawings are for reference only and may not be an exact representation.

### FILTER MANIFOLD

DYNAMELT S V5  
DYNAMINI  
DYNAMELT M non Easy Spin

101246	Filter, 40 mesh
102693	Filter, 80 mesh
101247	Filter, 100 mesh (Standard)
106273	Filter, 150 mesh
109482	Filter, 200 mesh



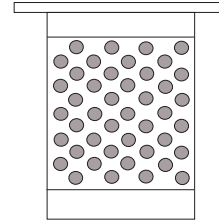
# Applicator Filters

**PART  
NUMBER DESCRIPTION**

## AUTOMATIC APPLICATORS

### Filter Block

101246	Filter, 40 mesh
102693	Filter, 80 mesh
101247	Filter, 100 mesh
106273	Filter, 150 mesh
109482	Filter, 200 mesh



## AUTOMATIC APPLICATORS

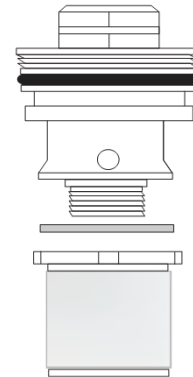
### M20 Spin-on

#### Filter Block

116245	Filter Kit, 150 Mesh
116594	Filter Kit, 200 Mesh

**The Filter Kit includes Filter, O-rings and Seal.**

116244	Filter Nut, M20 Spin-on <b>O-ring and Seal not included</b>
N03812	O-ring
116243	Seal <b>O-rings and Seal for M20 Filter Nut</b>



## AUTOMATIC APPLICATORS

### MicroBead

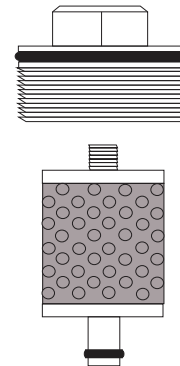
117021	Filter Kit, 100 Mesh (Standard)
117023	Filter Kit, 150 Mesh
117025	Filter Kit, 200 Mesh

**The Filter Kit includes Filter, O-rings.**

117078	Filter Service Kit, 100 Mesh (Standard)
117079	Filter Service Kit, 150 Mesh
117080	Filter Service Kit, 200 Mesh

**The Filter Kit includes, Filter Cap, Filter, O-rings.**

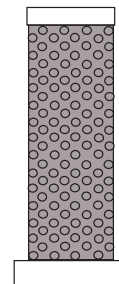
N00177	O-ring
N00183	O-ring <b>O-rings for Filter Nut</b>



## AUTOMATIC APPLICATORS

### BF MOD-PLUS™

112574	Filter, 50 Mesh
101618	Filter, 100 Mesh (Standard)
112091	Filter, 150 Mesh
113311	Filter, 200 Mesh

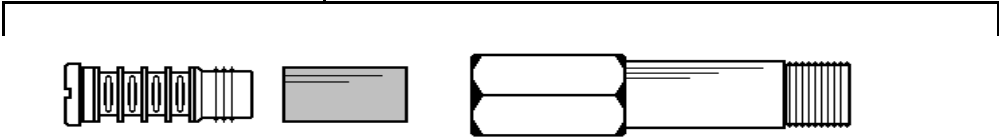


# Applicator Filters

**PART  
NUMBER    DESCRIPTION**

**AUTOMATIC APPLICATORS**

In - Line	N04438	50 mesh
	N04439	100 mesh



N05103	screen support
N04440	50 mesh screen
N04441	100 mesh screen

**AUTOMATIC APPLICATORS**

**BF Mini**

CF6004	Filter, 50 Mesh, Pack of 10
CF6002	Filter, 100 Mesh, Pack of 10
CF6001	Filter, 200 Mesh, Pack of 10 (Standard)

**The Filter does not include O-ring.**

CF0001	O-ring, Filter, Pack of 10
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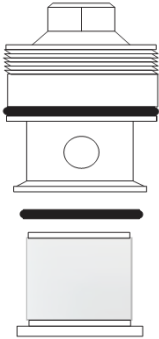
**Filter Cap**

109840	Filter Cap
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**The Filter Cap does not include O-ring.**

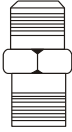
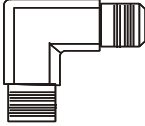
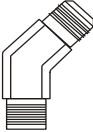
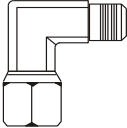
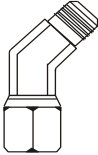
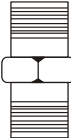
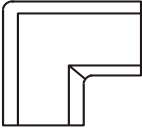

**O-ring for Filter Nut**

109706	O-ring
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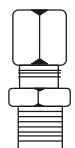
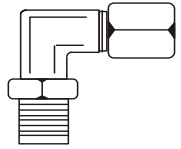


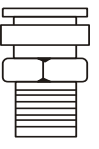
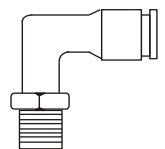
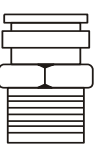
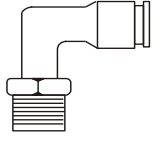
# Fluid Fittings

Part Number	Description	
N00104	FITTING 1/4 - 18 NPT X #6 37 DEGREE JIC MALE	
N00105	FITTING 1/4 - 18 NPT X #6 37 DEGREE JIC MALE	
N02037	FITTING 1/4 - 18 NPT X #6 37 DEGREE JIC MALE	
N07830	#6 37 DEGREE JIC MALE X 37 DEGREE JIC FEMALE SWIVEL	
N07831	#6 37 DEGREE JIC MALE X 37 DEGREE JIC FEMALE SWIVEL	
N01067	FITTING NIPPLE 1/4 - 18 NPT	
N01644	FITTING ELBOW 1/4 - 18 NPT	
N01831	FITTING STRAIGHT THREAD X #6 (SAE) 9/16-18 37 DEGREE JIC MALE O-Ring not included. Part number N00360	

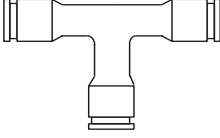

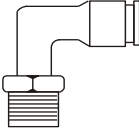
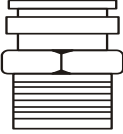
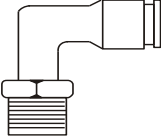
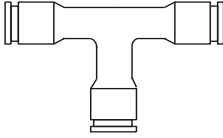
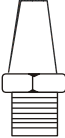

# Fluid Fittings

Part Number	Description	
101624	FITTING 1/4 - BSPP X #6 37 DEGREE JIC MALE O-Ring not included. Part number N00196	
101625	PLUG 1/4 - BSPP O-Ring not included. Part number N00181	
N08024	CAP #6 37 DEGREE JIC MALE	
103623	FITTING 3/8 - BSPP X #6 37 DEGREE JIC MALE O-Ring not included. Part number 103770	
103626	PLUG 3/8 - BSPP O-Ring not included. Part number 103771	

# Air Fittings

Part Number	Description	
N00093	FITTING 1/8 NPT X 1/4 TUBE	
N00099	FITTING 1/8 NPT X 1/4 TUBE	
N00098	FITTING NUT 1/4 TUBE	
N01316	FITTING UNION 1/4 TUBE	
N06435	FITTING 1/8 NPT X 1/4 TUBE PUSH IN	
N06436	FITTING 1/8 NPT X 1/4 TUBE PUSH IN	
N06430	FITTING 1/4 NPT X 1/4 TUBE PUSH IN	
N06412	FITTING 1/4 NPT X 1/4 TUBE PUSH IN	

# Air Fittings

Part Number	Description	
N06504	FITTING Union T 1/4 TUBE PUSH IN	
N06464	FITTING 1/4 NPT X 3/8 TUBE PUSH IN	
N06502	FITTING 1/4 NPT X 3/8 TUBE PUSH IN	
N06445	FITTING 3/8 NPT X 3/8 TUBE PUSH IN	
N06501	FITTING 3/8 NPT X 3/8 TUBE PUSH IN	
N06503	FITTING Union T 3/8 TUBE PUSH IN	
N02745 N02535	MUFFLER 1/8 NPT MUFFLER 1/4 NPT	
N06506 N06505	PLUG 1/4 Air PLUG 3/8 Air	

# Hose and Adapter Fittings

Part Number	Description	Description
072X423	AD,1 1/2NPT 1 7/8-12 JIC	#24JIC STRAIGHT TO 1-1/2NPT FITTING
072X431	1 1/2 NPT HEX NIPPLE	1 1/2NPT X 1-1/2NPT NIPPLE FITTING
072X567	3/4*NPTX1 7/8-12 JIC ADP	#24JIC STRAIGHT TO 3/4NPT FITTING
101624	FTG,ST,6JIC X 1/4BSPP,ST	#6 JIC X 1/4 BSPP HOSE FITTING
101625	FTG,PLG,1/4BSPP,SOC,STL	1/4BSPP PLUG FITTING
103085	FTG,EL,45-,6JIC X 1/4BSP	#6 JIC MALE 45° TO 1/4BSPP
103086	FTG,EL,90-,6JIC X 1/4BSP	#6 JIC MALE 90° TO 1/4BSPP
103623	FTG,ST,6JIC X 3/8BSPP,ST	#6 JIC X 3/8BSPP HOSE FITTING
103626	FTG,PLG,3/8BSPP,SOC,STL	3/8BSPP PLUG FITTING
103944	FTG,ST,8JIC X 1/4BSPP,ST	#8 JIC X 1/4 BSPP HOSE FITTING
103949	FTG,ST,8JIC X 3/8BSPP,ST	#8 JIC X 3/8 BSPP HOSE FITTING
103740	NUT,CAP,3/4-16,37D,#08	#8 JIC HOSE FITTING CAP
104325	FTG,ADPTR,SWL,6JX1/4MPT	#6 JIC FEMALE SWIVEL TO 1/4NPT
109971	FTG,8JIC X 1/4BSPP,45EL	#8 JIC MALE 45° TO 1/4BSPP
110901	FTG,1/4GX#12-37DEG,STL	#12JIC X 1/4 BSPP HOSE FITTING
803142	FTG,ST.,12JICX1/2-14BSPP	#12 JIC X 1/2BSPP HOSE FITTING
803173	FTG,PLG,1/2-14BSPP,SOC,ST	1/2BSPP PLUG FITTING
803984	FTG,#6JICX1/2-14BSPP,ST	#6 JIC X 1/2 BSPP HOSE FITTING
804093	FTG,#08JIC,F,X#12JIC,M	#8 FEMALE TO #12 MALE ADAPTER
804155	FTG,ST.,8JICX1/2-14BSPP	#8 JIC X 1/2 BSPP HOSE FITTING
804708	FTG,SVL45,08JFX08JM,STL	#8 JIC 45°SWIVEL FITTING
804709	FTG,SVL90,08JFX08JM,STL	#8 JIC 90°SWIVEL FITTING
804987	FTG,SWVL3/8NPTX3/4-16JIC	#8 JIC FEMALE SWIVEL TO 3/8NPT
805324	FTG,SVL90,12FJX12MJ,STL	#12 JIC 90°SWIVEL FITTING
805964	FTG,SVL90,24FJX24MJ,STL	#24 JIC 90°SWIVEL FITTING
806238	FTG,#06J1C.F X #08JIC,M	#6 FEMALE TO #8 MALE ADAPTER
806427	FTG,SVL90,16FJX16MJ,STL	#16 JIC 90°SWIVEL FITTING
807011	FTG,SVL45,12FJX12MJ,STL	#12 JIC 45°SWIVEL FITTING
807165	FTG,SVL45,16FJX16MJ,STL	#16 JIC 45°SWIVEL FITTING
808331	FTG,SVL45,24FJX24MJ,STL	#24 JIC 45°SWIVEL FITTING
809369	FTG,MALE,90,1/4BSX#6JIC	#6 JIC 90°CONTINUOUSLY SWIVEL FTG
809370	FTG,MALE,ST,1/4BSX#6JIC	#6 JIC STR,CONTINUOUSLY SWIVEL FTG
809646	CAP,#12 JIC FITTING	#12 JIC HOSE FITTING CAP
810467	FTG,ST,12JIC X 3/4BSPP,S	#12 JIC X 3/4 BSPP HOSE FITTING
810311	FTG,ST,16JIC X 3/4-14BSP	#16 JIC X 3/4 BSPP HOSE FITTING
811229	FTG,ST,12JIC X 1/4BSPP	OBSOLETE, USE 110901 FITTING
812948	FTG,ST,16JX1/2-14 BSPP	#16 JIC X 1/2 BSPP HOSE FITTING
813573	FTG,ST,16JIC X 3/4 BSP	#16 JIC X 3/4 BSPP HOSE FITTING
815528	FTG,ST,12JX3/8 BSPP,STL	#12 JIC X 3/8 BSPP HOSE FITTING
N07830	FTG,SVL90,06FJX06MJ,STL	#6 JIC 90°SWIVEL FITTING
N07831	FTG,SVL45,06FJX06MJ,STL	#6 JIC 45°SWIVEL FITTING
N08024	FTG,CAP,#06,37DEG SAE	#6 JIC HOSE FITTING CAP
108627	FTG,PLG,3/8JIC	#6 JIC PLUG FITTING TO PLUG A HOSE
817937	FTG,1/4GX#10-37DEG,STL	#10JIC X 1/4 BSPP HOSE FITTING
818024	FTG,#06JIC,F,X#10JIC,M	#6 FEMALE TO #10 MALE ADAPTER
072X560	FTG,#12JICX3/4NPT MALE,ELB	90 DEG ELBOW 2024-12-12S

**Notes:**

1. 110901 and 811229 are identical
2. 810311 and 813573 are identical

# Pumps, Motors and Repair Kits

**PART  
NUMBER      DESCRIPTION**

## Gear Pumps

### Dynatec

111253	<b>GGG</b> 0.15cc Single	111254	<b>GGD</b> 0.15cc Dual
109908	<b>GDS</b> 0.55cc Single	109909	<b>GDD</b> 0.55cc Dual
100860	<b>GAS</b> 1.5cc Single	100863	<b>GAD</b> 1.5cc Dual
100861	<b>GBS</b> 3.2cc Single	100864	<b>GBD</b> 3.2cc Dual
100862	<b>GCS</b> 4.5cc Single		
109690	<b>GES</b> 10cc Single		
109694	<b>GFS</b> 20cc Single		

### High Accuracy (H.A.)

084E372	<b>ZLS</b> .160 Single H.A.	084E387	<b>ZLD</b> 0.160 Dual H.A.
084E428	<b>ZDS</b> 0.297 Single H.A.	084E388	<b>ZDD</b> 0.297 Dual H.A.
084E374	<b>ZES</b> 0.584 Single H.A.	084E389	<b>ZED</b> 0.584 Dual H.A.
084E430	<b>ZFS</b> 1.168 Single H.A.	084E432	<b>ZFD</b> 1.168 Dual H.A.
084E434	<b>ZGS</b> 2.92 Single H.A.	108874	<b>SGD</b> 2.92 Dual H.A.
108875	<b>SHS</b> 8.5 Single H.A.		

### High Flow

110289	<b>SIS</b> High Flow Precision 20cc Single	M70 - M210
110290	<b>SJS</b> High Flow Precision 30cc Single	M70 - M210
110291	<b>SKS</b> High Flow Precision 45cc Single	M70 - M210

### Adapters

084E405	High Accuracy Pump Adapter Kit (REQUIRED w/H.A. Pumps)
084E441	High Temp H.A. Pump Adapter Kit
084E406	High Accuracy Pump Adapter Kit, M Series (REQUIRED w/H.A. Pumps)
084E444	High Temp H.A. Pump Adapter Kit, M Series
084E419	High Flow Pump, Adapter Kit

### Motors

107254	Motor, 1/4 HP, 3Ph, AC, 240 V	N22/ V5
103020	Motor, 1/4 HP, AC, 100-240 VAC	N5/N10
107254	Motor, 1/4 HP, AC, 20:1	M35
106662	Gear Box, 20:1	M70-M210
801679	Motor, 1 HP, 3Ph, AC, 240 V	M70-M210
115796	Motor and Bracket assembly	SR5/10

### Misc.

069X061	Pump Shaft Seal (Dynatec Gear Pumps)
807729	Pump Shaft Seal (HA Gear Pumps)
808680	Pump Shaft Seal (High Flow Gear Pumps)
106063	Capacitor, Motor (Dynamini AC Motor)
109982	Pressure Relief Valve Repair Kit for 101840
103151	Repair, Kit (Dynatec Pumps)

# Piston Pumps and Repair Kits

PART NUMBER	DESCRIPTION
<b>Gear Pumps</b>	
<b>Dynamelt SR</b>	
117499	Piston Pump and Air motor assembly
<b>Rebuild and Repair Kits</b>	
117258	Rebuild Kit Piston Pump/Air Motor
117257	Repair Kit, Piston Pump
117256	Repair Kit, Piston Pump Air Motor
117265	Service Kit, PCB, Air Motor
117264	Service Kit, Solenoid Valve, Piston Pump
<b>Dynamelt S V5</b>	
106806	Piston Pump and Air motor assembly
<b>Rebuild and Repair Kits</b>	
L16569	Piston Pump Bearing and Shaft seal Kit
109969	Piston Pump assembly Rebuild Kit
105328	Piston Pump Repair Kit
109968	Rebuild Kit Air Motor
<b>Dynamini N5/N10</b>	
105072	Piston Pump and Air motor assembly, 120 VAC
105073	Piston Pump and Air motor assembly, 240 VAC
<b>Rebuild and Repair Kits</b>	
L16569	Piston Pump Bearing and Shaft seal Kit
109969	Piston Pump assembly Rebuild Kit
105328	Piston Pump Repair Kit
109968	Rebuild Kit Air Motor
<b>Dynamini N22</b>	
110354	Piston Pump and Air motor assembly
<b>Rebuild and Repair Kits</b>	
L16569	Piston Pump Bearing and Shaft seal Kit
109969	Piston Pump assembly Rebuild Kit
105328	Piston Pump Repair Kit
109968	Rebuild Kit Air Motor
<b>C22</b>	
112556	Piston Pump and Air motor assembly
113780	Piston Pump and Air motor assembly, Dual Pump C22
<b>Rebuild and Repair Kits</b>	
L16569	Piston Pump Bearing and Shaft seal Kit
109969	Piston Pump assembly Rebuild Kit
105328	Piston Pump Repair Kit
109968	Rebuild Kit Air Motor
<b>DynaPack</b>	
111745	Piston Pump and Air motor assembly
118597	Piston Pump and Air motor assembly with PPRV (built after 2/14)
<b>Rebuild and Repair Kits</b>	
112128	Piston Pump seal kit ( for Pumps built after 7/05)
112127	Piston Pump Air motor Service Kit ( for Pumps built after 7/05)

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