



Basket Blasters

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Models: BB2-3K & BB4-3K Basket Blasters

MODEL DESCRIPTION	PART NUMBER	NUMBER OF BLAST GUNS	DUST COLLECTION	BLOWER MOTOR	SHIPPING WEIGHT
BB2-3K DCM-80A	109001	2 standard	DCM-80A	1 hp	1641 lbs
BB2-3K DCM-200	109011	2 standard	DCM-200	1½ hp	2071 lbs
BB2-3K CDC-6	109051	2 standard	CDC-6	1½ hp	2191 lbs
BB4-3K DCM-200	110001	3 standard	DCM-200	1½ hp	2186 lbs
BB4-3K CDC-6	110051	3 standard	CDC-6	1½ hp	2306 lbs
BB4-3K 200A	110011	3 standard	DCM-200A	2 hp	2221 lbs
BB4-3K CDC-9	110052	3 standard	CDC-9	2 hp	2341 lbs

Note: 600 CFM standard

Never use silica sand in any Empire equipment.

Options: BB2-3K Basket Blaster

BB2-3K Basket Blasters (400 and 600 CFM)

(All systems supplied with polyurethane spray-lined 600 CFM reclaimer)

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
Single-Phase Electrical Options (400 CFM)			
Single Source:			
230 volt, 60 hertz for 1 horsepower motor	141072	NA	E6
Three-Phase Electrical Options (400 CFM)			
Single Source:			
208 volt, 60 hertz	140071	NA	E6
460 volt, 60 hertz	140074	NA	E6
575 volt, 60 hertz	140075	NA	E6
380 volt, 50 hertz	140073	NA	E6
Single-Phase Electrical Options (600 CFM)			
Single Source:			
230 volt, 60 hertz for 1½ horsepower motor	141052	NA	E6
Three-Phase Electrical Options (600 CFM)			
Single Source:			
208 volt, 60 hertz	140051	NA	E6
460 volt, 60 hertz	140054	NA	E6
575 volt, 60 hertz	140055	NA	E6
380 volt, 50 hertz	140053	NA	E6
Cabinet Extended-Wear Options			
Curtain for rear wall	140571	140571	E16
Nozzle, 5/16" boron (two required)	502081	502081	E15
PVC-coated basket	509281	509281	E16
Window protector, plastic	509191	509191	E16
Window protector, screen	509201	509201	E16
Reclaimer Extended-Wear Options (600 CFM)			
Ultrawear lining	526183	N/A	E10
Cabinet Options			
Automatic blow-off cycle	140044	NA	E16
Basket-end covers	140496	140496	E16
Basket with 1/8" diameter perforations for small parts (Deduct standard BB2 basket PN 767131 if factory installed.)	767151	767151	E16
End-of-cycle light	170051	NA	E16
Magnetic separator	511572	511572	E16
Rubber kick flights	140566	140998	E16
Safety matting (specify length)	509002	509002	E16
Vibrating reclaimer screen assembly	141035	-----	E16
Vibrating shed sheet	140572	140572	E16

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Options: BB2-3K Basket Blaster

BB2-3K Basket Blasters—continued

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
Dust Collector Options for DCM-80A (400 CFM)			
Bag shaker, automatic electric, 115 volts	140340	140390	E17
Bag shaker, automatic pneumatic	140685	140686	E17
HEPA filter	140215-DCM80A	140215-DCM80A	E17
HEPA filter, pressure differential gauge assembly	140221	140221	E17
Leg extension package for 16 gallon drum	140259	140258	E17
Leg extension package for 55 gallon drum	140170/140255	140170/140255	E17
Leg extension stand (only) for 16 gallon drum	140171	140171	E17
Leg extension stand (only) for 55 gallon drum	140170	140170	E17
Lid assembly and drum, 16 gallon	113015	113015	E17
Lid assembly (only) for 55 gallon drum	140155	140155	E17
Manometer, measures pressure differential	140344	140398	E17
Minihelic gauge, measures pressure differential	140841	140842	E17
Sound attenuator/damper, 400 CFM (85dBA)	140361	140361	E17

Dust Collector Options for DCM-200 (600 CFM)

Bag shaker, automatic electric, 115 volts	140340	140390	E17
Bag shaker, automatic pneumatic	140683	140684	E17
HEPA filter	140215	140215	E17
HEPA filter, pressure differential gauge assembly	140221	140221	E17
Leg extension package for 16 gallon drum	140182	140181	E17
Leg extension package for 55 gallon drum	140256	140256	E17
Leg extension stand (only) for 16 gallon drum	140185	140185	E17
Leg extension stand (only) for 55 gallon drum	140180	140180	E17
Lid assembly and drum, 16 gallon	113015	113015	E17
Lid assembly (only) for 55 gallon drum	140255	140255	E17
Manometer, measures pressure differential	140344	140398	E17
Minihelic gauge, measures pressure differential	140841	140842	E17
Sound attenuator/damper, 600 CFM (85dBA)	140361	140361	E17

Dust Collector Options for CDC-6 (600 CFM)

HEPA filter	140215	140215	E18
HEPA filter, pressure differential gauge assembly	140221	140221	E18
Leg extension package for 55 gallon drum	140257	140257	E18
Leg extension stand (only) for 55 gallon drum	140185	140185	E18
Lid assembly (only) for 55 gallon drum	140155	140155	E18
Photohelic automatic cleaning system	140900	141900	E18
Photohelic automatic cleaning system with leg extension	141901	141902	E18
Sound attenuator/damper, 600 CFM (85dBA)	140361	140361	E18

Higher Volume Ventilation Options

900 CFM equipment	Call factory	Call factory	—
1200 CFM equipment	Call factory	Call factory	—



Options: BB4-3K Basket Blaster

BB4-3K Basket Blasters (600 and 900 CFM)

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
Single-Phase Electrical Options (600 CFM)			
Single Source:			
230 volt, 60 hertz for 1½ horsepower motor	141052	NA	E6
Three-Phase Electrical Options (600 CFM)			
Single Source:			
208 volt, 60 hertz	140051	NA	E6
460 volt, 60 hertz	140054	NA	E6
575 volt, 60 hertz	140055	NA	E6
380 volt, 50 hertz	140053	NA	E6
Three-Phase Electrical Options (900 CFM)			
Single Source:			
208 volt, 60 hertz	140091	NA	E6
460 volt, 60 hertz	140094	NA	E6
575 volt, 60 hertz	140095	NA	E6
380 volt, 50 hertz	140093	NA	E6
Cabinet Extended-Wear Options			
Curtain for rear wall	140571	140571	E16
Nozzle, 5/16" boron (three required)	502081	502081	E15
PVC-coated basket	509171	509171	E16
Window protector, plastic	509191	509191	E16
Window protector, screen	509201	509201	E16
Reclaimer Extended-Wear Options (600 CFM)			
Ultrawear lining	526183	N/A	E10
Reclaimer Extended-Wear Options (900 CFM)			
Ultrawear lining	526193	N/A	E10
Cabinet Options			
Automatic blow-off cycle	140034	NA	E16
Basket-end covers	140496	NA	E16
Basket with 1/8" diameter perforations for small parts (Deduct standard BB4 basket PN 510651 if factory installed.)	767141	767141	E16
End-of-cycle light	170051	NA	E16
Magnetic separator	511572	511572	E16
Rubber kick flights	140566	??????	E16
Safety matting (specify length)	509002	509002	E16
Vibrating reclaimer screen assembly	141035	-----	E16
Vibrating shed sheet	140572	140572	E16

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Options: BB4-3K Basket Blaster

BB4-3K Basket Blasters—continued

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
Dust Collector Options for DCM-200 (600 CFM)			
Bag shaker, automatic electric, 115 volts	140340	140390	E17
Bag shaker, automatic pneumatic	140683	140684	E17
HEPA filter	140215	140215	E17
HEPA filter, pressure differential gauge assembly	140221	140221	E17
Leg extension package for 16 gallon drum	140182	140181	E17
Leg extension package for 55 gallon drum	140256	140256	E17
Leg extension stand (only) for 16 gallon drum	140185	140185	E17
Leg extension stand (only) for 55 gallon drum	140180	140180	E17
Lid assembly and drum, 16 gallon	113015	113015	E17
Lid assembly (only) for 55 gallon drum	140255	140255	E17
Manometer, measures pressure differential	140344	140398	E17
Minihelic gauge, measures pressure differential	140841	140842	E17
Sound attenuator/damper, 600 CFM (85dBA)	140361	140361	E17

Dust Collector Options for CDC-6 (600 CFM)

HEPA filter	140215	140215	E18
HEPA filter, pressure differential gauge assembly	140221	140221	E18
Leg extension package for 55 gallon drum	140257	140257	E18
Leg extension stand (only) for 55 gallon drum	140185	140185	E18
Lid assembly (only) for 55 gallon drum	140155	140155	E18
Photohelic automatic cleaning system	140900	141900	E18
Photohelic automatic cleaning system with leg extension	141901	141902	E18
Sound attenuator/damper, 600 CFM (85dBA)	140361	140361	E18

Dust Collector Options for DCM-200A (900 CFM)

Bag shaker, automatic electric, 115 volts	140340	140390	E17
Bag shaker, automatic pneumatic	140683	140684	E17
HEPA filter	140215	140215	E17
HEPA filter, pressure differential gauge assembly	140221	140221	E17
Leg extension package for 16 gallon drum	140182	140181	E17
Leg extension package for 55 gallon drum	140256	140256	E17
Leg extension stand (only) for 16 gallon drum	140185	140185	E17
Leg extension stand (only) for 55 gallon drum	140180	140180	E17
Lid assembly and drum, 16 gallon	113015	113015	E17
Lid assembly (only) for 55 gallon drum	140255	140255	E17
Manometer, measures pressure differential	140344	140398	E17
Minihelic gauge, measures pressure differential	140841	140842	E17
Sound attenuator/damper, 900 CFM (85dBA)	140769	140769	E17

Dust Collector Options for CDC-9 (900 CFM)

HEPA filter	140215	140215	E18
HEPA filter, pressure differential gauge assembly	140221	140221	E18
Leg extension package for 55 gallon drum	140257	140257	E18
Leg extension stand (only) for 55 gallon drum	140185	140185	E18
Lid assembly (only) for 55 gallon drum	140155	140155	E18
Photohelic automatic cleaning system	140900	141900	E18
Photohelic automatic cleaning system with leg extension	141901	141902	E18
Sound attenuator/damper, 900 CFM (85dBA)	140769	140769	E18

Higher Volume Ventilation Options

1200 CFM equipment	Call factory	Call factory	—
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Parts: BB2 & BB4-3K Electrical Options

Standard Wiring – BB2-3K and BB4-3K basket blasters are wired for a 230 volt, 60 hertz, three-phase electrical source.

IMPORTANT! Systems must be wired at the factory to match the customer's electrical supply. If the electrical supply at the installation site differs from 230V/60Hz/3Phase, specify the appropriate part number(s) shown below. Customer installed electrical options are not available with BB2-3K and BB4-3K basket blasters.

Part Numbers for Three-Phase Options

NOMINAL VOLTAGE/FREQUENCY	208V/60Hz	460V/60Hz	575V/60Hz	380V/50Hz*
	PART NUMBERS			
400 CFM/1 horsepower (BB2-3K only), single source, factory installed	140071	140074	140075	140073
600 CFM/1½ horsepower , single source, factory installed	140051	140054	140055	140053
900 CFM/2 horsepower , single source, factory installed	140091	140094	140095	140093

* 50 hertz systems with reclaimers may not convey heavier media, especially when using multiple guns, large nozzles and at high altitudes. Consult factory.

Part Numbers for Single-Phase Options

BB2-3K, 400 CFM/1 horsepower connection to 230V/60Hz/1Ph (3 wire) supply requires:	Part Number 141072
BB2-3K, 600 CFM/1½ horsepower connection to 230V/60Hz/1Ph (3 wire) supply requires:	Part Number 141052
BB4-3K, 600 CFM/1½ horsepower connection to 230V/60Hz/1Ph (3 wire) supply requires:	Part Number 141052

NOTES on Electrical Components

- If no electrical disconnect is provided, the customer is responsible for providing appropriate disconnecting means adjacent to this equipment for each incoming power circuit. Each disconnect shall be of a type and rating suitable for the application. Refer to current editions of the **National Electrical Code** (NFPA 70) and the **Electrical Standard for Industrial Machinery** (NFPA 79). Systems with a line cord plug do not require a disconnect.
- Interconnections between cabinet, dust collector and customer's utilities are to be supplied by installer.
- Electrical components cannot be returned to the factory for exchange.
- All standard systems are **three-wire** (3 phase conductors and a ground).
- Consult factory for other electrical options, for conformance with customer electrical specifications, or if you have questions.

See Operating Instructions for Proper Electrical Connections

Electrical connections at installation should be performed by a competent licensed electrician following local codes, standard safety procedures and proper installation instructions.

Never use silica sand in any Empire equipment.

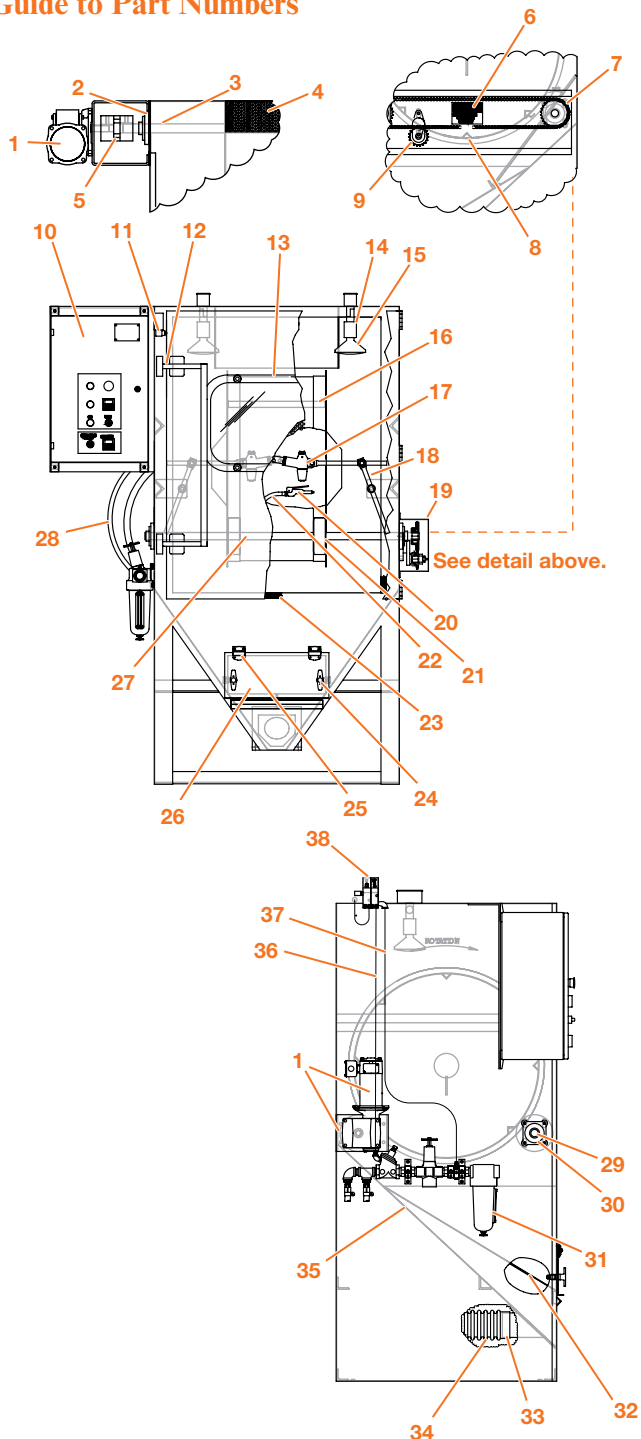


Parts: BB2-3K Cabinet Assembly

BB2-3K Cabinet Components

Item	Description	Part #
1	Motor, 1/3 horsepower Reducer, 210/60/1 Call	777095
2	Flange bearing (4 required) Felt washer (4 required)	570101 510081
3	Back shaft, drive	777117
4	Filter (2 required)	510521
5	Coupling, 7/8" bore Coupling, 1 3/16" bore Coupling, spider	570743 570745 570746
6	Label	564844
7	Sprocket (2 required)	570721
8	Chain, 6' (specify length)	570771
9	Idle sprocket Fixed tensioner Shaft tightener	570611 570621 570603
10	Electrical assembly (See page E10.)	140051
11	Limit switch	534333
12	Door handle Latch, draw breaker (2 required) Shim plate Door keeper	777119 509371 509381 751242
13	Window kit (includes items listed below)	140544
	Gasket, window, 6' section	524451
	Gasket, 1/4" x 1/4" (specify length)	525941
	Safety glass, 14" x 22"	510401
	Knob, 3/8" - 16 (4 required)	510461
	Frame, window	760291
	Spacer, window (4 required)	525931
	Bolt, 3/8" - 16 x 1 1/4" (4 required)	551852
14	Gasket, light bulb	580191
15	Fixture, incandescent Lamp, incandescent	532711 532701
16	Basket, 5/16" perforations	767131
17	Gun assembly, MH-2 (See page E15.)	505571
	Fixed gun holder	140400
	Extension arm	510731
	Mounting bracket	509541
	Knuckle assembly	560231
19	Chain, guard	777115
20	Gun, dust off	509821
21	Wheel	777097
22	Air hose assembly	522631
23	Door gasket, 15' (specify length)	523651
24	Compression latch, 180° turn Latch seal	509005 777129
25	Hinge	555006
26	Parts door Gasket, 1/16" x 1" x 4' (specify length)	777125 524471
27	Front shaft	777116
28	Blast hose, 5/8" x 36' (specify length)	520802
29	Felt washer (4 required)	510081
30	Flange bearing (4 required)	570101
31	Pipe-string assembly, 1" (See page E14.)	140066
32	Screen, removable, 5/16" perforated steel	777127
33	Outlet adapter, 4", (400-600 CFM cabinet) Gasket, hose adapter	760421 524381
34	Conveying hose, 4" heavy duty (specify length) Hose clamp, 4" heavy duty	515911 522953
35	Blast plate (order with Red Sheet) Red sheet (order with Blast Plate)	777131 580203
36	Air-hose assembly, 1/4" x 42"	140855
37	Air-hose assembly, 1/4" x 49"	140857

Guide to Part Numbers



Item	Description	Part #
38	Versa valve assembly	340200-1
	Versa valve assembly used with blow off	340200-2

* Essential component to prevent downtime

† Recommended spare part—Consumable wear item

Δ Failure to replace glass with Empire safety glass could result in serious injury.



Parts: BB4-3K Cabinet Assembly

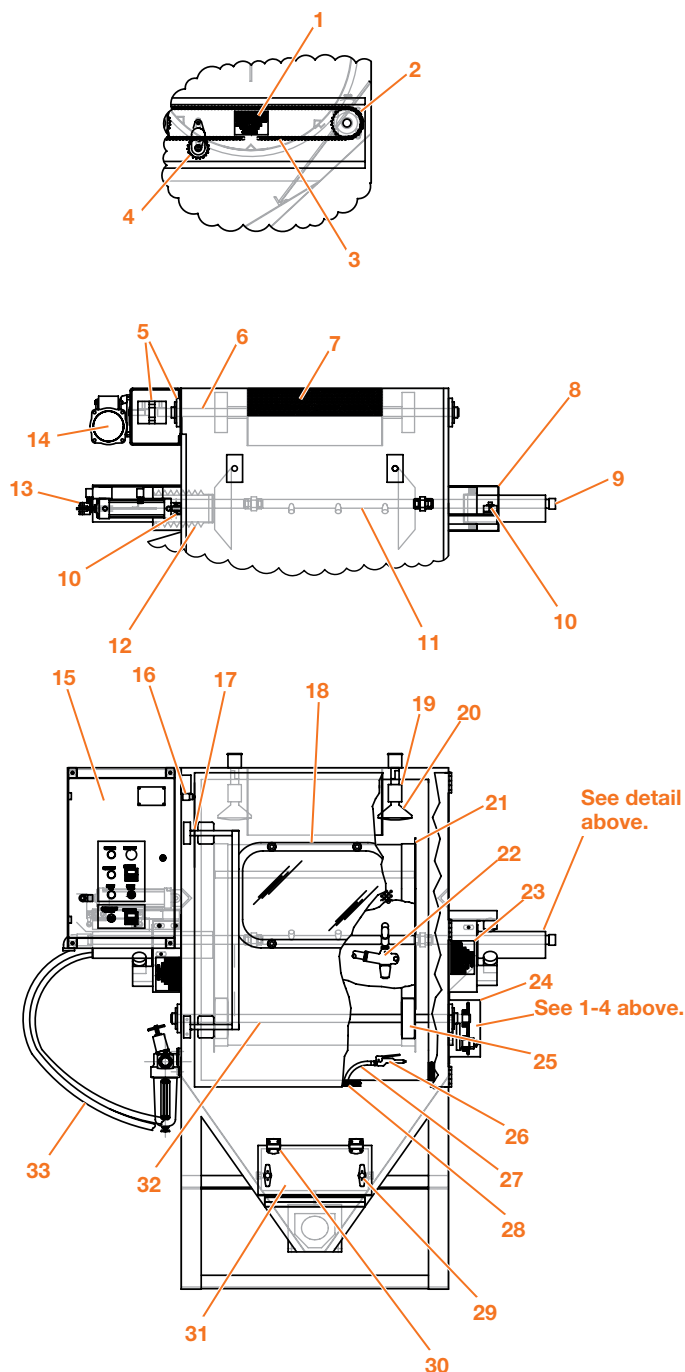
BB4-3K Cabinet Components		
Item	Description	Part #
1	Label	564844
2	Sprocket (2 required)	570721
3	Chain, 6' (specify length)	570771
4	Idler sprocket	570611
	Fixed tensioner	570621
	Shaft tightener	570603
5	Coupling, 7/8" bore	570743
	Coupling, 1 3/16" bore	570745
	Coupling, spider	570746
6	Back shaft, drive	777117
7	Filter (2 required)	510521
8	Right guard sleeve	777112
9	Pipe cap	544112
10	Rollers (5 required)	777093
11	Mixing head	766801
12	Bellows, 4" (2 required)	555002
	Hose clamp, 4" (2 required)	520531
	Bellows clamp plate	777122
13	Left guard sleeve	777113
14	Motor, 1/3 horsepower	777095
	Reducer	570988
15	Electrical panel (See page E10.)	140050
16	Limit switch	534333
17	Door handle	777119
	Latch, draw breaker (2 required)	509371
	Shim plate	509381
	Door keeper	751242
18	Window kit (includes items listed below)	140544
	Gasket, window, 6' section	524451
	Gasket, 1/4" x 1/4" (specify length)	525941
	Safety glass, 14" x 22"	510401
	Knob, 3/8" - 16 (4 required)	510461
	Frame, window	760291
	Spacer, window (4 required)	525931
19	Bolt, 3/8" - 16 x 1 1/4" (4 required)	551852
	Gasket, light bulb	580191
20	Fixture, incandescent	532711
21	Lamp, incandescent	532701
	Basket, 5/16" perforations	510651
22	Gun assembly, MH-2 (See page E15.)	505571
23	Label	564844
24	Chain guard	777115
25	Wheel (4 required)	777097
26	Gun, dust off	509821
27	Air hose assembly	522631
28	Door gasket, 15' (specify length)	523651
29	Compression latch, 180° turn	509005
	Latch seal	777129
30	Hinge	555006
31	Parts door	777125
	Gasket, 1/16" x 1" x 4' (specify length)	524471
32	Front shaft, driver	777116
33	Blast hose, 5/8" x 36' (specify length)	520802

* Essential component to prevent downtime

† Recommended spare part—Consumable wear item

Δ Failure to replace glass with Empire safety glass could result in serious injury.

Guide to Part Numbers



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Parts: BB4-3K Cabinet Assembly

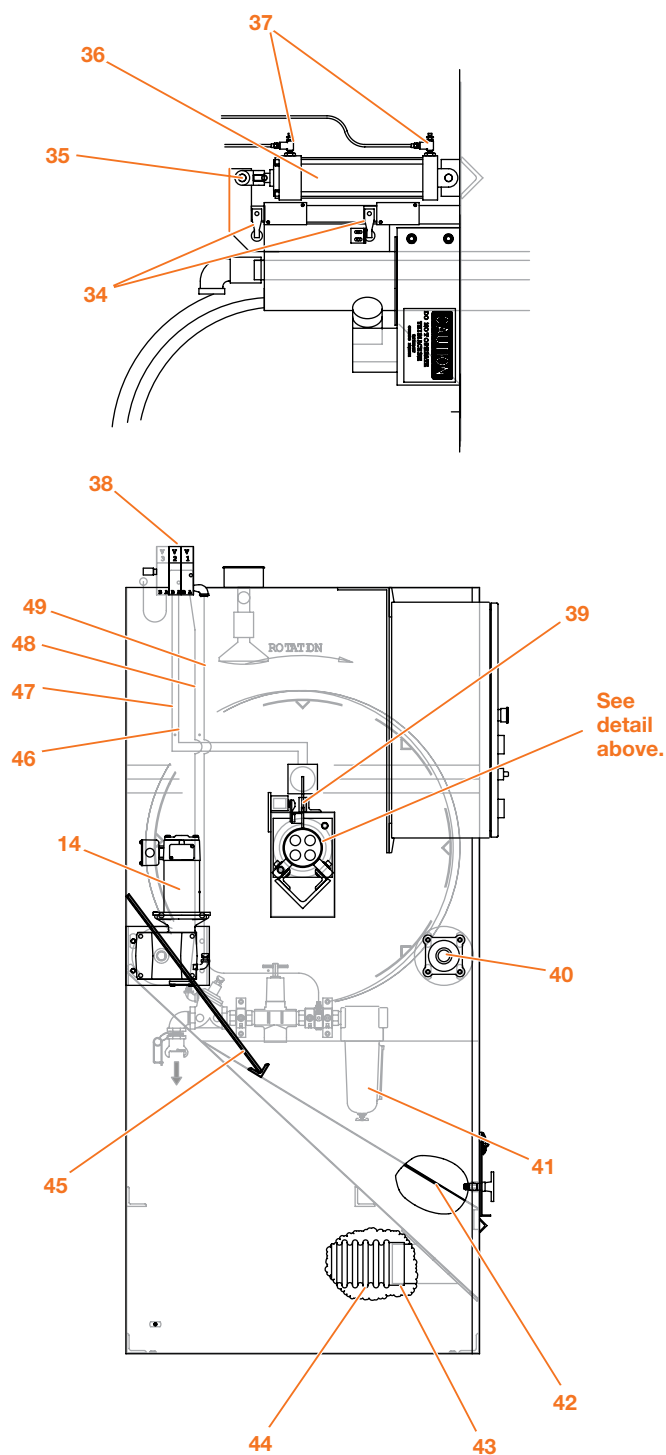
BB4-3K Cabinet Components		
Item	Description	Part #
34	Limit switch (2 required)	534323
	Limit switch tripper	768813
	Operating lever	534743
35	Clevis rod	555011
	Clevis pin (2 required)	555012
36	Air cylinder	555010
37	Valve, flow control (2 required)	518571
38	Versa valve assembly	340200-2
	Versa valve assembly used with blow off	340200-3
	Versa valve body	340103-2
	Muffler	506455
39	UHMW guide	777114
40	Flange bearing (4 required)	570101
	Felt washer (4 required)	510081
41	Pipe-string assembly, 1" (See page E14.)	140067
42	Screen, removable, 5/16" perforated steel	777127
43	Hose outlet adapter, 4" (400-600 CFM cabinet)	760421
	Hose outlet adapter, 6" (900 CFM cabinet)	760431
	Gasket, hose adapters	524381
44	Conveying hose, 4" heavy duty (specify length)	515911
	Hose clamp, 4" heavy duty	522953
	Conveying hose, 6" heavy duty (specify length)	515921
	Hose clamp, 6" heavy duty	522963
45	Blast plate (order with Red Sheet)	777121
	Red sheet (order with Blast Plate)	580203
46	Air-hose assembly, 1/4" x 30"	522671
47	Air-hose assembly, 1/4" x 27"	140867
48	Air-hose assembly, 1/4" x 49"	140857
49	Air-hose assembly, 1/4" x 42"	140855
	Connector assembly (not shown)	520222

* Essential component to prevent downtime

† Recommended spare part—Consumable wear item

Δ Failure to replace glass with Empire safety glass could result in serious injury.

Guide to Part Numbers

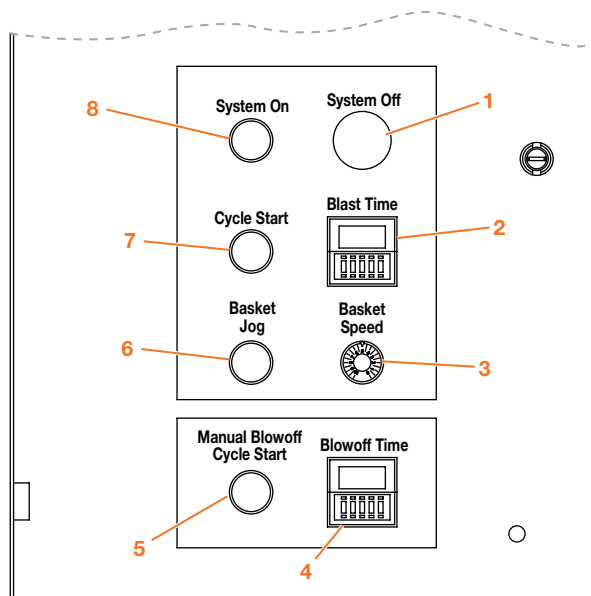




Parts: BB2 & BB4-3K Electrical Panel

Guide to Part Numbers

BB2 & BB4 ELECTRICAL PANEL COMPONENTS		
Item	Description	PART NUMBER
1	Push button, red	535910F
2	Timer, blast	534034
3	Operator potentiometer	534951F
	Motor controller (not shown)	535003
	Automatic blow off, optional (items 4 & 5)	
4	Timer	534034
5	Push button, black	535902F
6	Push button, grey	535903F
7	Push button, black	535902F
	Contact block	534961F
8	Push button, green	535905F



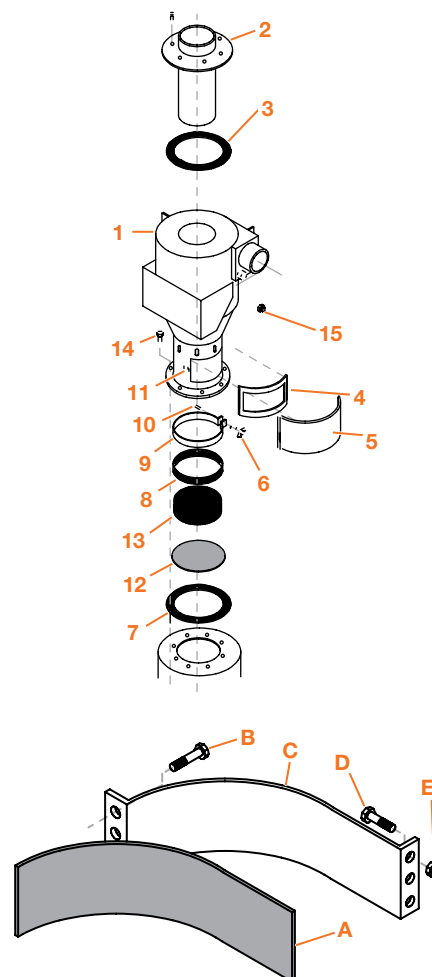
Parts: BB2 & BB4-3K Reclaimers

BB2 & BB4 RECLAIMER COMPONENTS		600 CFM	900 CFM
Item	Description	PART NUMBER	
1	Reclaimer body assembly (includes items 1 through 11) Urethane lining (not shown) Standard with system	140440 525861	140441 525891
2 *	Removable top	766741	766751
3 †	Gasket, ¼" x ¼" poron PSA (specify length)	525941	525941
4 †	Gasket, reclaimer door	524331	524331
5	Door, reclaimer	760721	760721
6	Wing nut, ¼" - 20	552392	552392
7 †	Gasket, reclaimer to storage hopper	524371	524371
8 †	Gasket, tuning band, solid Gasket, tuning band, with slots	524342 524341	524342 524341
9	Tuning band (steel part only), solid Tuning band (steel part only), with slots	767581 760701	767581 760701
10	Bolt, ¼" - 20 x 2"	551782	551782
11	Latch & keeper (requires welding)	509581	509581
12	Screen, flat, 5/16", 13" OD	760711	760711
13	Screen, fine 11½" OD, 8 mesh	739041	739041
14	Bolt, ¾" - 16 x 1" (8 required)	551852	551852
15	Plug, 1" NPT	544122	544122
	Inlet wear plate (detail)		
	FACTORY INSTALLED	514481	514491
	CUSTOMER INSTALLED	514511	514521
A	Rubber band	524881	524891
B	Bolt, ¾" - 16 x 2" (3 required)	553892	553892
C	Metal band	761611	761621
D	Bolt, ¾" - 16 x 1½" (3 required)	551262	551262
E	Nut, ¾" - 16	552542	552542

* Recommended spare part—Consumable wear item
† Essential component to prevent downtime

Reclaimer Options

Ultrawear lining extends reclaimer life by a factor of ten.	Part Number
600 CFM reclaimers	526183
900 CFM reclaimers	526193





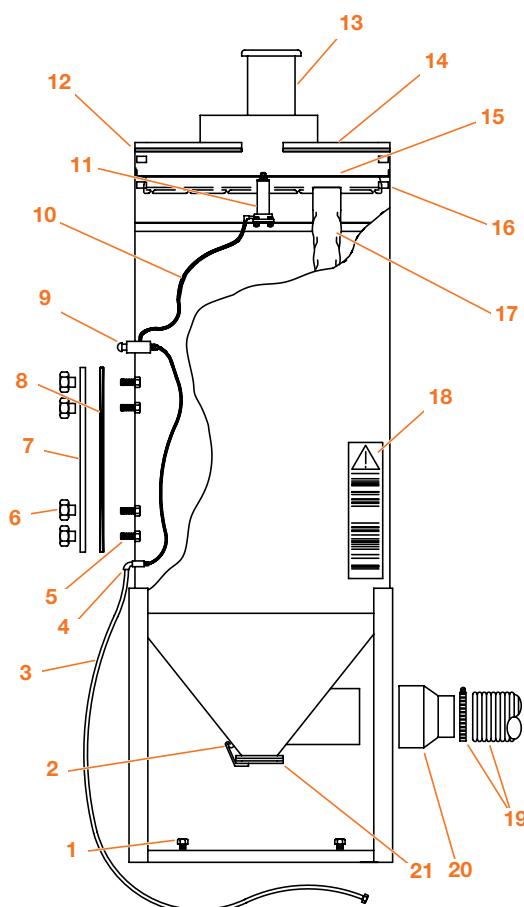
Parts: BB2 & BB4-3K Dust Collectors, Bag House

Guide to Part Numbers - DCM-80A (PN 112000), DCM-200 (PN 113000) & DCM-200A (PN 113001)

Item	Description	PART#
1	Bolt, leveling, 3/8" - 16 x 2" (4 required)	553892
2	Latch and keeper (requires welding)	509581
3	Hose with fittings, 1/4" x 16', dust collector	523161
4	Adapter, 1/4" tube x 1/4" MPT (inside)	521081
	Connector, brass, 1/4" MPT x 1/4" BALL (outside)	520222
5	Bolt, 3/8" - 16 x 1 1/4" (6 required)	551852
6	Knob, 3/8" - 16 (6 required)	510461
7	Access door, dust collector	760851
8 †	Gasket, access door, 1/2" x 5/8", 103" section	525711
	Gasket, 1/2" x 5/8" (specify length)	525061
9 †	Valve, push-button, 1/8" NPT & #10 - 32, "3P"	517221
	Barbed fitting, 1/4" tube x #10 - 32, 2 per assembly	521101
	Adapter, 1/4" tube x 1/8" MPT, 90° (for air cylinder)	520432
10	Tubing, 1/4" OD (8' required)	510541
11 †	Air cylinder, standard collector & auto shaker (after 1997)	515981
	Air cylinder, standard collector & auto shaker (before 1997)	515771
	Air cylinder, auto pneumatic bag shaker only	Call
12 †	Gasket, top plate, 1/8" x 1/4" (8' for DCM-80A; 12' for others)	523551
13	Blower & blower motors (See page E13.)	—
	Top plate, DCM-80A	760841
14	Top plate, DCM-200 & DCM-200A	760901
	Bag-rack weldment (DCM-80A)	760861
	Bag-rack weldment (DCM-200A)	760921
15	Rubber bumper (8 required)	523541
16	Dust bag, cotton sateen (12 required for DCM-80A; 30 required for DCM-200 & DCM-200A)	515521
17 *	Decal, Instruction/Warning	567405
18	Ducting & adapters (See page E9.)	—
19	Adapter, 10 1/8" ID x 6" OD, DCM-200	761801
20 †	Gasket, clean-out door, dust collector	524351
	Decal, Empire logo	564305
	Decal, orange dot strip	564301
	Paint, 6 oz. aerosol, beige	564476

* Recommended spare part—Consumable wear item

† Essential component to prevent downtime



Bag-House Dust Collector Options (Part Numbers)

Automatic bag shaker cleans bags thoroughly every time the system is turned off.

Electric shaker for all bag-house collectors, 115 volts

Pneumatic shaker for DCM-80 series collectors

Pneumatic shaker for DCM-200 series collectors

HEPA filter captures very fine particles.

DCM-80A

DCM-200 & DCM-200A

HEPA filter, pressure differential gauge assembly (magnetic)

Leg extension package for 16 gallon drum

DCM-80A

DCM-200 & DCM-200A

Leg extension package for 55 gallon drum

DCM-80A

DCM-200 & DCM-200A

Leg extension stand (only) for 16 gallon drum

DCM-80A

DCM-200 & DCM-200A

Leg extension stand (only) for 55 gallon drum

DCM-80A

DCM-200 & DCM-200A

Lid assembly for 16 gallon drum fits all Empire bag house collectors

Lid assembly for 55 gallon drum

DCM-80A

DCM-200 & DCM-200A

Manometer measures pressure differential

Minihelic gauge measures pressure differential

Sound attenuator reduces noise in the work place.

Attenuator/damper for DCM-80A & DCM-200

Attenuator/damper for DCM-200A

SuperSmooth dust bags handle severe dust loading

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
	140340	140390	E17
	140685	140686	Call
	140683	140684	Call
	140215-DCM80A	140215-DCM80A	Call
	140215	140215	Call
	140221	140221	—
	140259	140258	Call
	140182	140181	Call
	140170/140255	140170/140255	Call
	140256	140256	Call
	140171	140171	Call
	140185	140185	Call
	140170	140170	Call
	140180	140180	Call
	113015	113015	E17
	140155	140155	Call
	140255	140255	Call
	140344	140398	—
	140841	140842	E17
	140361	140361	—
	140769	140769	—
	516181	516181	—

Parts: BB2 & BB4-3K Dust Collectors, Cartridge

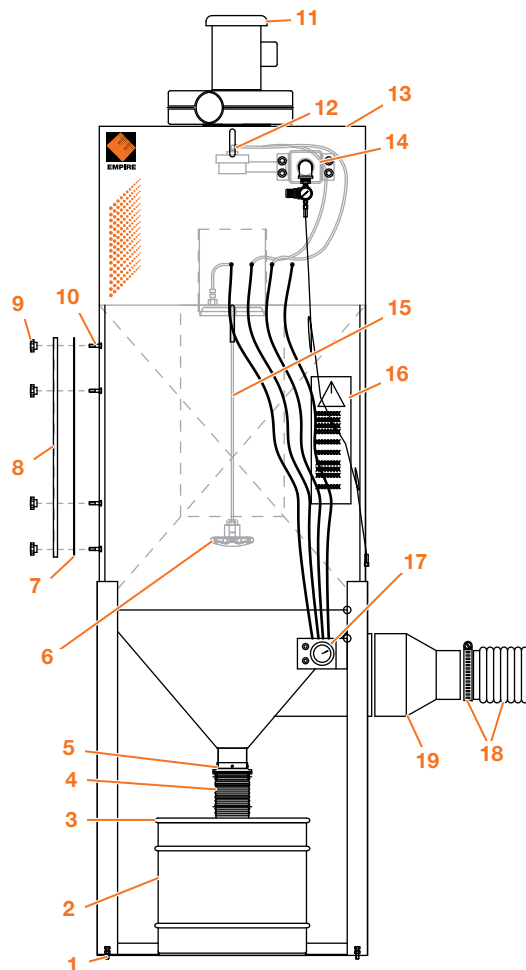
Guide to Part Numbers

For CDC-6 (PN 113007) & CDC-9 (PN 113011)

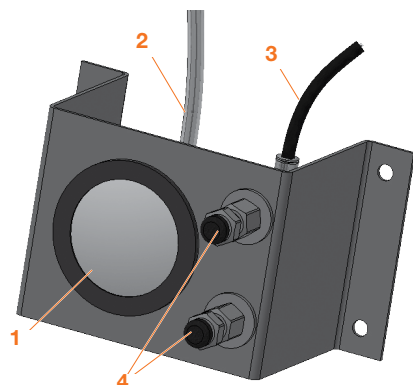
"CDC" SERIES COMPONENTS		
Item	Description	PART#
1	Bolt, leveling, 3/8" - 16 x 2" (4 required)	553892
2	16 gallon drum	504016
3	Lid for 16 gallon drum	850099-1
4	Gasket, dust drum lid, 5' (not shown)	800166
5	Gum rubber tube, 4" ID x 8" long	523750
5	Hose clamp, 4" (2 required)	520531
	16 gallon drum assembly (includes items 2 through 5)	113015
6	Filter clamping screw	515526
7 †	Gasket, access door, 1/2" x 5/8", 103" section	525711
	Gasket, 1/2" x 5/8" (specify length)	525061
8	Access door, dust collector	760851
9	Knob, 3/8" - 16 (6 required)	510461
10	Bolt, 3/8" - 16 x 1 1/4" (6 required)	551852
	Empire logo	564305
11	Blower and blower motors (<i>See page E13.</i>)	—
12	Diaphragm valve (2 required)	516352
13	Top plate, CDC-6	760901
	Top plate, CDC-9	760901
14	Air supply assembly	140851
15 *	Cartridge filter (2 required)	515525
16	Decal, Instruction/Warning	567406
17	Mini-Helic package	550450
18	Ducting and adapters (<i>See page E9.</i>)	—
19	Adapter, 10" ID x 6" OD for CDC-6	761801

* Recommended spare part — Consumable wear item

† Essential component to prevent downtime



Minihelic Gauge Assembly (Part # 550450)



MINIHELIC COMPONENTS		
Item	Description	PART NUMBER
1	Gauge, Minihelic	504201
2	Tubing, clear, 5/16" OD	522433
3	Tubing, black, 1/4" OD	510541
4	Push-button valve	520393

Cartridge Dust Collector Options

	PART NUMBERS		
	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
HEPA filter captures very fine particles.	140215	140215	—
HEPA filter, pressure differential gauge assembly (magnetic)	140221	140221	—
Leg extension package for 55 gallon drum	140257	140257	—
Leg extension stand (only) for 55 gallon drum	140185	140185	E18
Lid assembly for 55 gallon drum	140155	140155	E18
Photohelic automatic pulse cleaning system	140900	141900	E18
Photohelic automatic pulse cleaning system with leg extension	141901	141902	—
Sound attenuator reduces blower motor noise to 85dBA			
CDC-6	140361	140361	—
CDC-9	140769	140769	—



Parts: BB2 & BB4-3K Blowers (Fans & Motors)

Blower Assembly Part Numbers

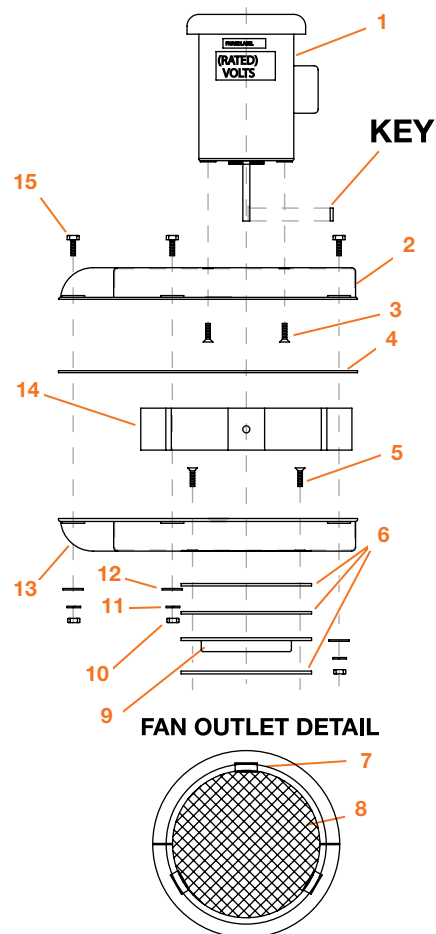
For Dust Collector Models	Horsepower	Part Number	Standard Electrical	CFM at 6" SP	Notes
DCM-80A	1	140326	115/60/1	400	Bag not included
DCM-200 & CDC-6	1½	140237	230/60/3	600	6" SP at 600 CFM
DCM-200A & CDC-9	2	140238	230/60/3	900	6" SP at 900 CFM

Note: Motor starters, contactors, interconnecting wiring and ducting not included.

Guide to Part Numbers

BLOWER COMPONENTS		PART NUMBERS		
Item	Description	1 HP	1½ HP	2 HP
1 †	Motor, 115-230V, 60 Hz, Single phase	549531	549681	549691
	Motor, 220-480V, 60 Hz, 3 phase	549701	549721	549711
	Motor, 550-600V, 60 Hz, 3 phase	549731	549741	549751
	Motor, 110-220V, 50 Hz, Single phase	549761	549771	549781
Note: Motor part numbers shown in BOLD are supplied as standard most often.				
2	Housing, fan, top	753511	753511	753515
3	Screw, flat head ⅜"-16 x 1"	553271	553271	553271
4	Gasket, fan housing, ⅛" x ¼" (5' section)	523251	523251	523251
5	Screw, flat head ⅜"-16 x 2¼" (dust collector)	553183	553183	553183
6	Gasket, mounting (3 required)	524361	524361	524361
7	Clip, fan guard (4 required)	554431	554431	554431
8	Guard, fan outlet	739011	739011	739025
9	Outlet flange	751501	751501	—
10	Hex nut, ¼"-20	552522	552522	552522
11	Lock washer, ¼"	552752	552752	552752
12	Flat washer, ¼"	552882	552882	552882
13	Housing, fan, bottom	753521	753521	753525
14 †	Impeller (fan blade), 10⅝" dia., ⅝" ID	753021	—	—
	Impeller (fan blade), 11½" dia., ⅝" ID	—	753661	—
	Impeller (fan blade), 12½" dia., ⅝" ID	—	—	753031
15	Bolt, ¼"-20 x 1"	552131	552131	552131

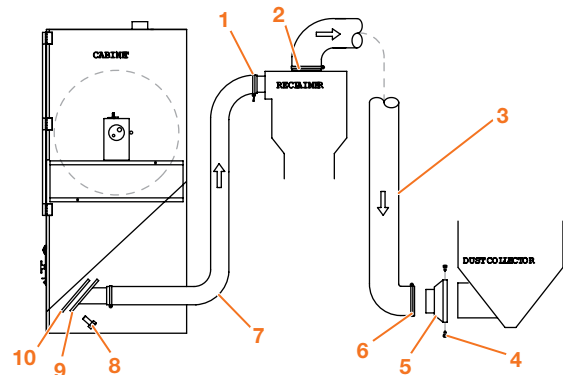
† Essential component to prevent downtime



Parts: BB2 & BB4-3K Ducting/Hoses

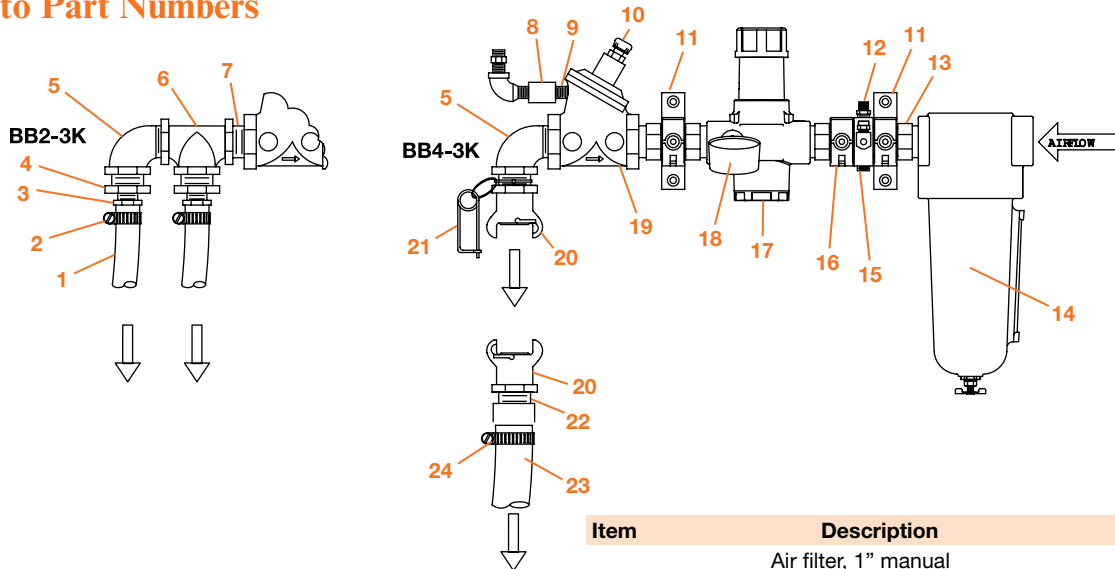
Guide to Part Numbers

Item	BB2-3K & BB4-3K Ducting/Hoses Description	PART NUMBER
1	Hose clamp, 4" heavy duty	522953
	Hose clamp, 6" heavy duty	522963
2	Hose clamp, dust hose (2 required)	520551
3	Dust hose, 6" x 11'	516101
4	Screw, 1/4" x 20, self drill (4 required)	551560
5	Adapter, 6" O.D. x 10" I.D., DCM-200 & CDC-6	761801
6	Hose clamp, dust hose (2 required)	520551
7	Heavy-duty conveying hose, 4" (specify length)	515911
	Heavy-duty conveying hose, 6" (specify length)	515921
8	Bolt, 1/4"- 20 x 1" (4 required)	551212
9	Outlet adapter, 4" (400-600 CFM cabinet)	760421
	Outlet adapter, 6" (900 CFM cabinet)	760431
10	Gasket, cabinet outlet	524381



Parts: BB2 & BB4-3K Pipe String

Guide to Part Numbers



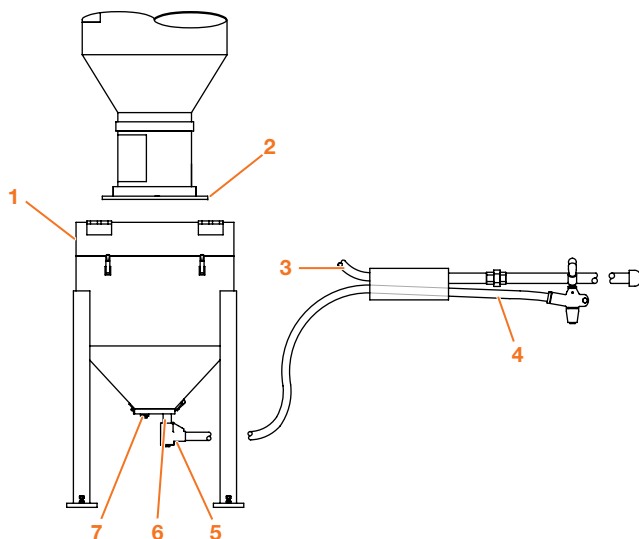
BB2-3K & BB4-3K Pipe String		
Item	Description	PART#
1	Air hose, 1/2" (Specify length.)	520861
2	Hose clamp, 1/2"	520502
3	Hose barb, 1/2" NPT	520362
4	Pipe bushing, 1" x 1/2"	544492
5	Elbow, 1" NPT street	543542
6	Tee, 1"	545532
7	Close nipple	546202
8	Pipe coupling, 1/8"	544832
9	Pipe nipple, 1/8"	545902
10	Vent	523261
11	Quick clamp with feet	522155
12	Hose adapter, 1/4" x 1/4"	520222
13	Adapter	522156

Item	Description	PART#
	Air filter, 1" manual	517271
14 †	Element for air filter, 5µ	508002
	O-ring and gasket kit for Norgren air filter	505161
15	Porting block	522157
16	Quick clamp	522154
	Air pressure regulator	517251
17 †	Diaphragm and O-ring for regulator	508161
18	Gauge, 1/4" NPT	550232
	Main valve, 1" Aquamatic	517042
19 †	Diaphragm and seal kit for 1" Aquamatic	517583
	Special wrench for 1" Aquamatic	518512
	Repair kit for 1" Aquamatic includes 517582 kit	517583
20	Tank coupling, 1"	505782
21	Safety pin	510511
22	Hose barb	520181
23	Air hose, 1" (Specify length.)	520912
24	Hose clamp, 1"	520501

† Essential component to prevent downtime

Parts: BB2 & BB4-3K Hopper Assembly

Guide to Part Numbers



Item	Description	PART#
1	Hopper, multi-gun	140487
2 †	Gasket, reclaimer to hopper	524371
3	Air hose, 1/2" ID (Specify length.)	520861
4	Blast hose, 5/8" ID (Specify length.)	520802
5	SAR-2 media regulator, complete, 1 1/4" FPT	290156
	SAR-2 media regulator, body	753351
6	Nipple, 1 1/4" NPT x 5"	546742
7	Plug, 1 1/4" NPT	544142

* Recommended spare part—Consumable wear item

† Essential component to prevent downtime

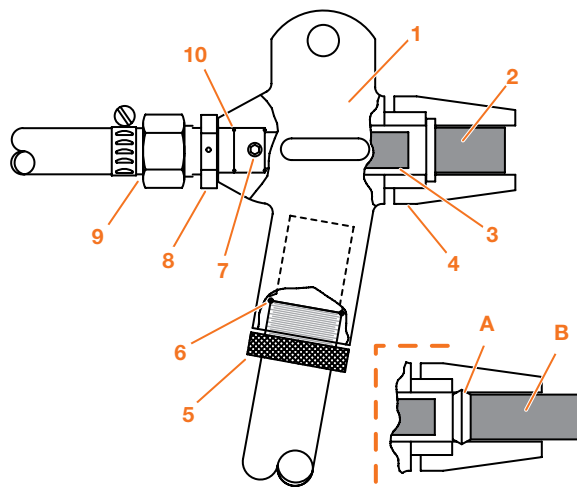
Parts: BB2 & BB4-3K Blast Guns

MH-2 Guns

Item	Description	PART NUMBER
1 *	Gun body, MH-2 short handle	753561
2 *	Nozzle, Di-Carb™ 5/16" (standard)	501341
3 *	Air jet, 5/32" (green)	505671
4 *	Nozzle adapter, plastic	505641
5	Nut, hose clamp, MH-2	520081
6	O-ring 1 1/16" ID x 1 5/16" OD	523881
7	Screw set, 1/4" – 20 x 3/8"	551052
8	Connector, MH-2	505631
9	Hose barb, 1/2" FPT x 1/2" hose	520402
10	O-ring, 1/2" ID x 5/8" OD (2 required)	523912

* Recommended spare part—Consumable wear item

† Essential component to prevent downtime



Optional for Wide-Spray Setup

Item	Description	PART NUMBER
A *	Compression ring	752453
B *	Di-Carb™ nozzle, 3/8" wide spray	503573
	Boron nozzle, 3/8" wide spray	503563

* Recommended spare part—Consumable wear item

MH-2 Suction Gun Assemblies

Nozzle (Air Jet) Diameters	PART NUMBERS		
	Short-Handle Gun with		
	1/4" (1/8")	5/16" (5/32")	7/16" (7/32")
Ceramic nozzle	505531	505541	505551
Di-Carb™ nozzle	505561	505571	505581
Boron nozzle	505591	505601	505611

• Short-handle gun with 5/16" Di-Carb nozzle supplied as standard.

Nozzles for MH-2 Guns

Diameter (#)	1/4" (#4)	5/16" (#5)	7/16" (#7)
PART NUMBERS			
Ceramic (each)	502421	502431	502441
Ceramic (10 pack)	503341	503351	503361
Di-Carb™ (each)	501331	501341	501351
Boron (each)	502071	502081	502091

Air Jets for MH-2 Guns

Diameter	Designation	Note	PART NUMBER
3/32"	orange		505651
1/8"	yellow		505661
5/32"	green	Standard	505671
3/16"	blue		505681
7/32"	white		505691
1/4"	red		505701



Options Details: BB2 & BB4-3K Cabinets

Cabinet Options

	PART NUMBERS	
	FACTORY INSTALLED	CUSTOMER INSTALLED
Automatic blow off cycle removes dust and fines at the end of each blast cycle.		
BB2-3K	140044	NA
BB4-3K	140034	NA
Basket end covers retain fly-away parts. (BB2 only)	140496	140496
Basket with 1/8" perforations handles smaller parts. (Deduct PN 510651 if factory installed.)		
BB2-3K	767151	767151
BB4-3K	767141	767141
Basket with PVC coating improves durability. (Deduct PN 510651 if factory installed.)		
BB2-3K	509281	509281
BB4-3K	509171	509171
End-of-cycle light indicates completion of blast cycle. (Must be purchased with automatic blow off .)	170051	NA
Magnetic separator removes ferrous debris during media recycling.	511572	511572
Rubber kick flights improve tumbling action, promote more even processing of parts.	140566	NA
Rubber curtains shield cabinet interior from harsh abrasives, prolong equipment life.		
• Attaching these neoprene curtains requires 1/4-20 studs, brass grommets and rubber nuts (PN 523533).		
Safety matting protects cabinet floors and workers. (Two-foot-wide safety matting, with pockets to catch spilled media, is sold by the linear foot. Fourteen feet required around cabinet. Specify total length required when ordering.)	509002	509002

	Vibrating screen assures smooth flow of light and fine media.	141035	-----
	Vibrating Screen Components		
	Please Consult Factory		
Item			
1			
2			
3			
4			
5			
6			
7			
	Vibrating shed sheet simplifies unloading of parts.	140572	140572
	Window protector , made of clear plastic, is recommended for use with light, less aggressive abrasives.	509191	509191
	Window protector , consisting of a steel screen, protects against heavy and coarse media.	509201	509201

Options Details: Dust Collectors

Bag House Dust Collector Options

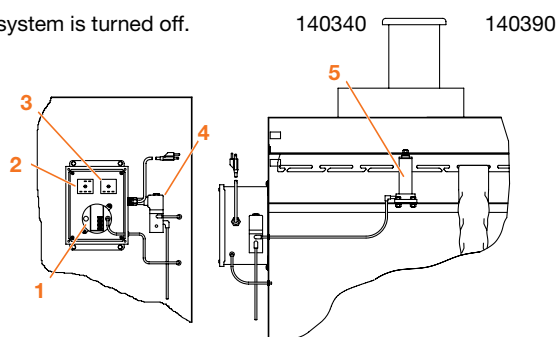
For DCM-80A (PN 112000), DCM-200 (PN 113000 & DCM-200A (PN 113001)

PART NUMBERS
FACTORY
INSTALLED
CUSTOMER
INSTALLED

Bag shaker, automatic electric, cleans bags thoroughly every time the system is turned off.
For DCM-80A, DCM-200 & DCM-200A

Bag Shaker, Automatic Electric Components

Item	Description	PART #
1	Pressure switch, differential	550311
2	Timer	531081
3	Flasher	535313
4	Solenoid valve, 120 VAC	517311
5	Cylinder (not included; standard with collector)	515981



Bag shaker, automatic pneumatic for DCM-80A (Call factory for component part information.)

140685 140686

Bag shaker, automatic pneumatic for DCM-200 & DCM-200A
(Call factory for component part information.)

140683 140684

HEPA filter assembly captures very fine particles.

DCM-80A

140215-DCM80A 140215-DCM80A

DCM-200 & DCM-200A

140215 140215

HEPA replacement filter

516305 516305

HEPA filter, pressure differential gauge assembly, monitors filter cleanliness.

140221 140221

Leg extension package for 16 gallon drum includes stand, drum cover and 16 gallon drum

DCM-80A

140259 140258

DCM-200 & DCM-200A

140182 140181

Leg extension package for 55 gallon drum includes stand and drum cover only

DCM-80A

140170/140255 140170/140255

DCM-200 & DCM-200A

140256 140256

Leg extension stand (only) for 16 gallon drum

DCM-80A

140171 140171

DCM-200 & DCM-200A

140185 140185

Leg extension stand (only) for 55 gallon drum

DCM-80A

140170 140170

DCM-200 & DCM-200A

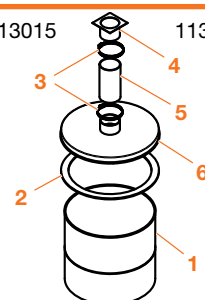
140180 140180

Lid assembly for 16 gallon drum (includes drum)

113015 113015

Components for 16 Gallon Lid Assembly with Drum

Item	Description	PART #
1	Drum, 16 gallon	504016
2	Gasket for lid (5' required)	800166
3	Hose clamp, 4"	520531
4	Adapter (if required)	760412
5	Gum rubber tube, 4" ID x 8" long	523750
6	Lid weldment	850099-1

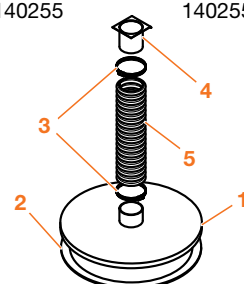


Lid assembly for 55 gallon drum (does not include drum)

140255 140255

Components for 55 Gallon Lid Assembly without Drum

Item	Description	PART #
1	Lid weldment	760123
2	Gasket for lid (7' required)	800166
3	Hose clamp, 4"	520531
4	Adapter (if required)	760412
5	Dust hose, 4" ID x 2' long	522923



Manometer measures pressure differential

140344 140398

Minihelic Gauge measures pressure differential

140841 140842

Sound attenuator/Damper assembly reduces noise to 85dBA

DCM-80A (400 CFM) & DCM-200 (600 CFM)

140361 140361

DCM-200A (900 CFM)

140769 140769

Options Details: Dust Collectors

Cartridge Dust Collector Options

For CDC-6 (PN 113007) & CDC-9 (PN 113011)

	PART NUMBERS	
	FACTORY INSTALLED	CUSTOMER INSTALLED
HEPA filter assembly captures very fine particles.	140215	140215
HEPA replacement filter	516305	516305
HEPA filter, pressure differential gauge assembly, monitors filter cleanliness.	140221	140221
Leg extension packages for 55 gallon drum include stand and cover (no drum)	140257	140257
Leg extension stand (only) for 55 gallon drum	140185	140185

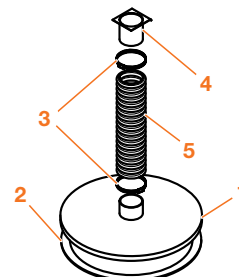
Lid assembly for 55 gallon drum (does not include drum)

140255

140255

Components for 55 Gallon Lid Assembly without Drum

Item	Description	PART #
1	Lid weldment	760123
2	Gasket for lid (7' required)	800166
3	Hose clamp, 4"	520531
4	Adapter (if required)	760412
5	Dust hose, 4" ID x 2' long	522923



Photohelic automatic pulse cleaning system for cartridge collectors

140900

141900

Photohelic automatic pulse cleaning system for cartridge collectors with leg extensions

141901

141902

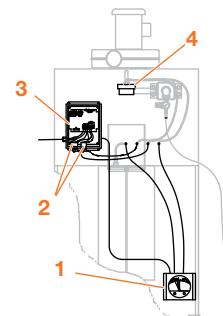
Photohelic cartridge cleaning improves system performance, saves operator time.

140900

140900

Photohelic Cleaning Components

Item	Description	PART #
1	Photohelic gauge	550074
2	Solenoid valve	516338
3	Timer board	585090
4	Diaphragm valve (2 required) (Not included; standard on collector)	516352



Sound attenuator/damper assembly reduces noise to 85 dBA

CDC-6 assembly

140361

140361

CDC-9 assembly

140769

140769

Models: BBO-1 & BBO-2 Basket Blasters

MODEL DESCRIPTION	PART NUMBER	NUMBER OF BLAST GUNS	DUST COLLECTION	BLOWER MOTOR	SHIPPING WEIGHT
BBO	108012	1 standard	—	—	100 lbs
BBO-1	108010	1 standard	Dust Bag	—	100 lbs
BBO-2	108011	1 standard	DC-16	1/3 hp	130 lbs

Options: BBO-1 & BBO-2 Basket Blasters

	FACTORY INSTALLED	CUSTOMER INSTALLED	SEE PAGE
Single-Phase Electrical Options			
Single Source:			
208-240 volt, 50-60 hertz with dust bag	139112	Call factory	Below
208-240 volt, 50-60 hertz with DC-16 collector	139143	Call factory	Below
Cabinet Extended-Wear Options			
Arbonited basket	511541	511541	E20
Nozzle, 1/4" boron (requires PN 504921 adapter)	502101	502101	E22
Nozzle, 1/4" DiCarb	501311	501311	E22
Cabinet Options			
Basket cover assembly	140859	140859	—
Blow-off gun assembly	140859	140859	E20
Dust Collector Options			
DC-16 for BBO-1 (included with BBO-2)	117216	117216	E21

Parts: BBO-1 & BBO-2 Electrical Options

Standard Wiring – BBO basket blasters are wired for a 115 volt, 60 hertz, single electrical source.

Optional Wiring – A factory installed transformer (**Part Number 139143 with dust collector or Part Number 139112 with dust bag**) is available for 208-240 volt, 50-60 hertz, single phase electrical sources with two or three wires.

IMPORTANT! Systems must be wired at the factory to match the customer's electrical supply.

NOTES on Electrical Components

- No electrical disconnect is provided. The customer is responsible for providing appropriate disconnecting means adjacent to this equipment for each incoming power circuit. Each disconnect shall be of a type and rating suitable for the application. Refer to current editions of the **National Electrical Code (NFPA 70)** and the **Electrical Standard for Industrial Machinery (NFPA 79)**. Systems with a line cord plug do not require a disconnect.
- Electrical components cannot be returned to the factory for exchange.

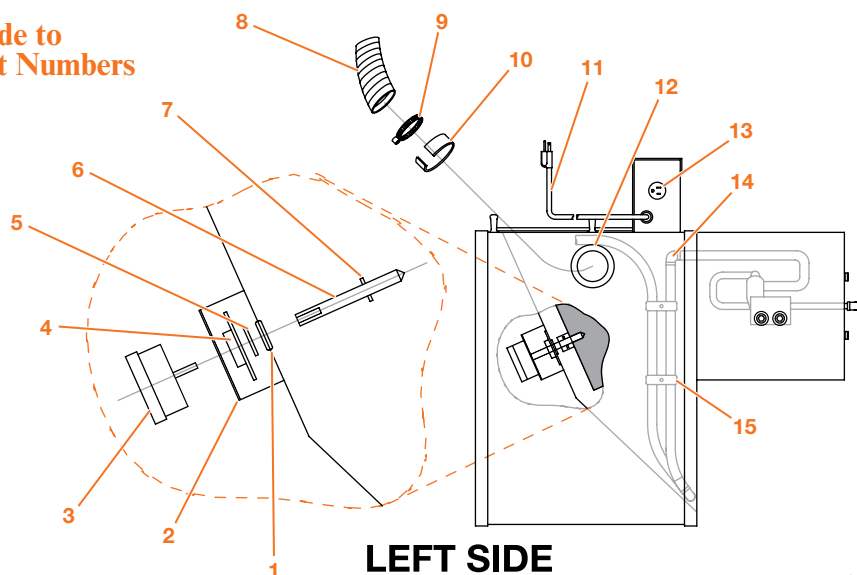
See Operating Instructions for Proper Electrical Connections

Electrical connections at installation should be performed by a competent licensed electrician following local codes, standard safety procedures and proper installation instructions.

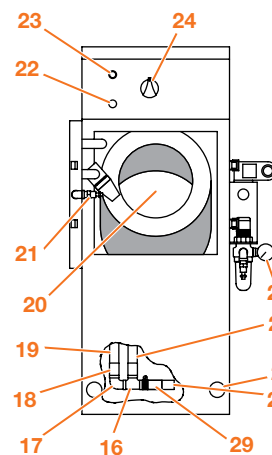


Parts: BBO-1 & BBO-2 Cabinet Assembly

Guide to Part Numbers

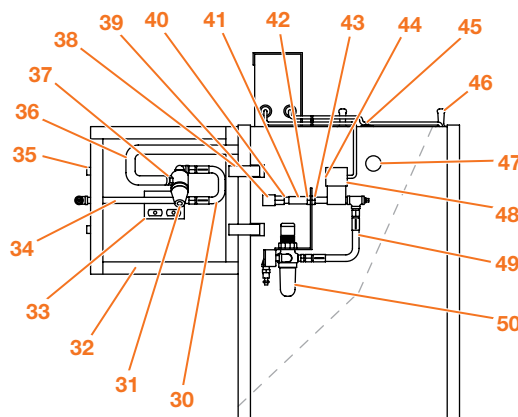


LEFT SIDE



FRONT

Item	BBO-1 & 2 Cabinet Assembly Description	PART NUMBER
1 *	Shaft grommet	524431
2	Motor bracket	768131
3 *	Motor, .01 HP, 115V/60Hz/1Ph	549581
4 *	Shaft bearing (pillow block)	570161
5	Shaft washer, felt	516091
6	Shaft	768191
7 *	Roll pin, 1/8" x 1"	553282
8 *	Dust hose, light duty, 3" x 6'	515941
9	Adjustable clamp, 3"	520521
10	Gasket, 1/4" x 1 1/2" (12" length required)	525181
11	Line cord, 120V, with plug	529601
12	Adapter ring	768221
13	Receptacle, 120V	534101
14 †	Elbow, 90°	543712
15	Double tube clip	523101
16 †	Tee, 1/4"	545502
17	Elbow street, 90°	543512
18	Nipple, 1/4" x 4" TOE (2 required)	546501
19 *	Air hose, 1/2" x 18"	523091
20 †	Basket assembly, uncoated, 1/16" holes	511551
	Basket assembly, PVC coated, 3/8" (max.) holes	511541
21 *	Plug, quick disconnect	544182
22 *	Fuse holder	532143
	Fuse, 10 Amp	532281
23	Indicator light	532511
24 *	Timer	531041
25	Air gauge	550262
26 †	Media hose, 1/2" x 33"	523081
27 *	Plug, 1 1/4" diameter (3 required)	544381
28 *	Screen assembly (screen, clamp, cap)	140476
29 †	Orifice tip	761921
30 *	Hose assembly, 1/4" x 8" (2 required)	521135
31 †	MH-4 suction gun (See page E22.)	140721
32 *	Door gasket kit (set of 4, 1" x 1", with hole)	526271
33	Nut plate	768161
34	Gun holder	768171
35	Keeper (2 required)	509591
36 †	Media hose, 1/2" x 33"	523081



RIGHT SIDE

Item	Description	PART NUMBER
37 †	Hose barb, 1/2" hose x 3/8" NPT	520372
38	Latch (2 required)	509581
39 *	Socket, quick disconnect	510021
40	Nipple, 1/4", close	545912
41	Coupling	544792
42	Bulkhead fitting	544692
43	Lock nut	553292
44	Plug (valve body)	544031
45	Wire tie (2 required)	528521
46	Handle (2 required)	564171
47 *	Plug, 1 1/4" diameter (3 required)	544381
48 *	Solenoid valve	517921
49 *	Hose assembly, 1/4" x 8" (2 required)	521135
	Air filter/regulator, 1/4" NPT	505282
50 *	Repair kit includes diaphragm, O-ring & element	508141

* Essential component to prevent downtime

† Recommended spare part — consumable wear item

Cabinet Options

Factory Installed PART NUMBERS

Arbonited basket extends service life. BBO-1 511541 BBO-2 511541

Blow-off gun assembly removes dust and fines.

140859 140859

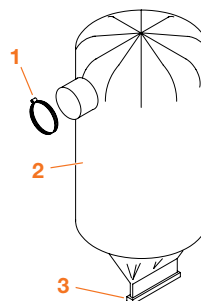
Parts: BBO-1 Dust Bag

Guide to Part Numbers

Item	BBO-1 Dust Bag Description	Part Number
1	Clamp, 3", adjustable	520521
2 *	Dust bag	510001
3	Clamp, dust bag closure	520461

* Essential component to prevent downtime

The BBO-1 basket blaster includes the dust bag shown. A DC-16 dust collector (Part Number 117216) detailed below is optional.



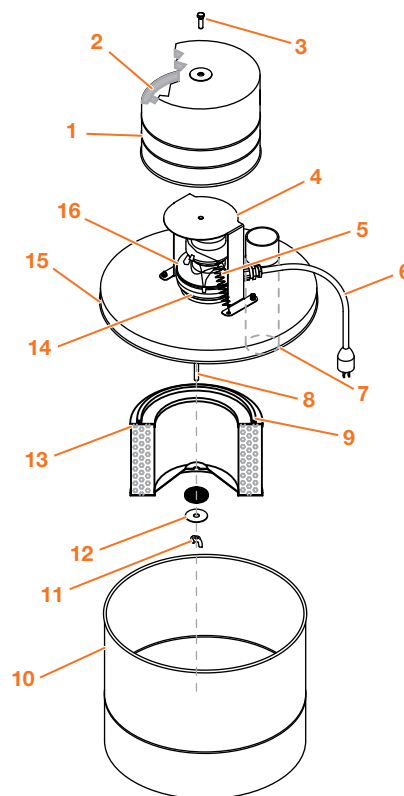
Parts: BBO-2 Dust Collector

DC-16 Dust Collector (Part # 117216)

Item	Description	Part#
1	Sound attenuator cover	770962
2	Hush cloth, ½" x 7" x 8¼" (5 pieces)	525051
3	Bolt, hex head, ⅜"-16 x 1¼"	551852
4	Bracket, sound attenuator	772356
5	Spring extension	515741
6	Line cord, 120 V	529601
7	Gasket tape, lid, 3'	800166
8	Threaded rod	770067
9	Gasket	523341
10	Drum, 16 gallon	504016
11	Wing nut, ⅜"-16	553992
12	Flat washer, ⅜"	552892
13 *	Filter cartridge	504771
14	Gasket, fan (two required)	524362
15	Lid weldment	770684
16	Blower, 120 V, 60 Hz, Single phase, 133 CFM	515761

* Recommended spare part—Consumable wear item

† Essential component to prevent downtime





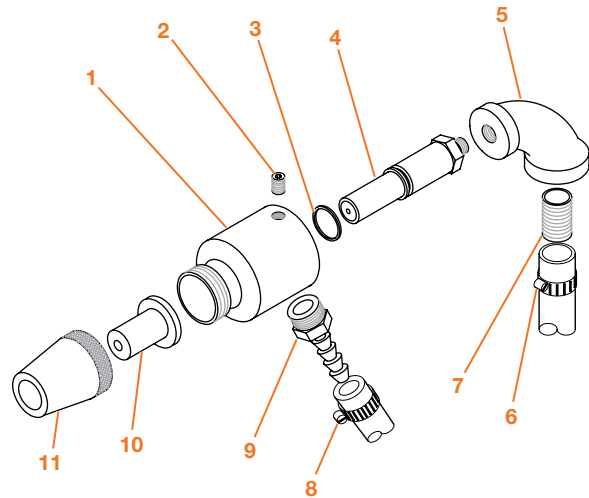
Parts: BBO-1 & BBO-2 Blast Gun

MH-4 Suction Blast Gun

Item	Description	Part#
	MH-4 gun, 1/4" ceramic nozzle, 3/32" air jet (standard)	140721
	MH-4 gun, 5/16" ceramic nozzle, 1/8" air jet	140722
	MH-4 gun, 1/4" Di-Carb™ nozzle, 3/32" air jet	140723
	MH-4 gun, 5/16" Di-Carb™ nozzle, 1/8" air jet	140724
1	Suction head	505331
2	Set screw, 1/4"- 20 x 3/8"	551052
3	O-ring	523891
4 *	Air jet with O-ring, 1/8" (yellow) (standard)	504811
4 *	Air jet with O-ring, 3/32" (orange)	504821
5	Elbow, 1/4" x 1/8"	543912
6	Hose clamp (not included with gun)	521091
7	Nipple, 1/4"	545912
8	Hose clamp (not included with gun)	521091
9	Hose barb, 1/2" x 3/8" MPT	520372
10 *	Nozzle, ceramic, 1/4" (standard)	502661
11	Nozzle adapter (ceramic & Di-Carb nozzles)	504901
	Nozzle adapter (Boron carbide nozzle only)	504921

* Recommended spare part—Consumable wear item

† Essential component to prevent downtime



Nozzles for MH-4 Guns

Diameter	Part Numbers	
	1/4"	5/16"
Ceramic (each)	502661	502701
Ceramic (10 pack)	502401	502411
Di-Carb™ (each)	501311	501321
Boron carbide (each)	502101	NA

Boron carbide nozzle requires nozzle adapter, PN 504921