

Electrostatic Cable Coater ECC 700

Parts List P/N 7156185A
- English -

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NORDSON ENGINEERING GMBH • LÜNEBURG • GERMANY

Order number

P/N = Order number for Nordson products

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How to Use Illustrated Parts List

The parts lists in this section are divided into the following columns:

Item— Identifies parts that can be obtained from Nordson.

Part— Nordson part number for each spare part shown in the illustration. A row of hyphens in the column Part (- - - -) indicates that this part can not be ordered separately.

Description— This column contains the name of the part and, when appropriate, its dimensions and other properties. The points in the column *Description* show the relationship between assemblies, subassemblies and single parts.

Quantity— The quantity needed per unit, assembly or subassembly. The abbreviation AR (as required) is used when this item is a bulk item or when the quantity per assembly depends on the product version or model.

Box / Code— Refer to *Product Configuration*.

NS: Not Shown

Component Designation

The electrical components are labeled in accordance with DIN 40719, part 2.

Product Configuration

The configuration code is on the ID plate.

 Nordson Engineering GmbH D 21337 Lüneburg – Germany Made in Germany 	Code	ECC700-V2PAPX		
	P/N		U	V
	Ser.		I	A f Hz
		P		P _{max}

The configuration code and the table indicate the components and parts of this product that are configurable. The codes are also used to identify the spare parts.

2005 - 2007		
Box	Code	Components / parts
1-6	ECC700	Series & model
	-	Options
7	V	Versa-Spray
	C	Ceramic
	T	Tribomatic
8	1	1 spray gun
	2	2 spray guns
9	N	Negative charge
	P	Positive charge
10	A	400 V _{AC} , 3 Ph, Wye
	B	230 V _{AC} , 3 Ph, Delta
11	P	1 PFM (Powder Flow Monitoring) per gun
12	S	Special

2004		
Box	Code	Components / parts
1-6	ECC700	Series & model
7	V	Versa-Spray
	C	Ceramic
	T	Tribomatic
8	1	1 spray gun
	2	2 spray guns
9	N	Negative charge
	P	Positive charge
10	P	1 PFM (Powder Flow Monitoring) per gun
11	S	Special

Electrostatic Cable Coater ECC 700



Assembly Overview

Cable Coater, Complete - Versa-Spray

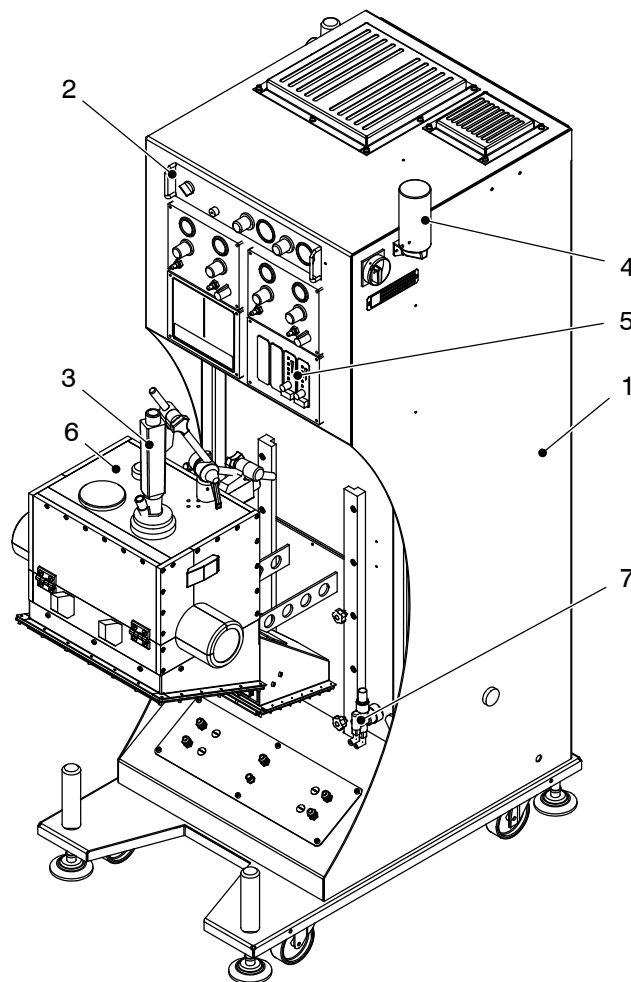


Fig. 1

Item	Part	Description	Quantity	Note	Box	Code
1	-----	Basic assembly	1	page 8		
2	-----	Controller rack	1	page 11		
3	-----	KIT Versa-Spray ceramic negative	1 (2)	page 12	7-9	C1N
	-----	KIT Versa-Spray negative	1 (2)		7-9	V1N
	-----	KIT Versa-Spray positive	1 (2)		7-9	V1P
-	789513	El. cabinet 400 V _{AC} , 3 Ph, WYE	1		10	A
	398641	El. cabinet 400 V _{AC} , 3 Ph, WYE + XS2	1		10	A
	7114776	El. cabinet 400 V _{AC} , 3 Ph, Delta	1		10	S
	260814	Transformer 400V / 230V 1000VA	1			
	398406	El. cabinet 230 V _{AC} , 3 Ph, Delta	1		10	B
	7114742	El. cabinet 230 V _{AC} , 3 Ph, Delta + XS2	1		10	B
	398874	El. cabinet 230 V _{AC} , 1 Ph	1		10	S
4	630246	• Light tower w/ audible warning	1			
	633546	• • Alarm lamp, excl, connection	1			
-	-----	KIT PFC (Powder Flow Control)	1	>2004 2004	11 10	P P
5	398230	• Control unit <i>PFC</i> (one channel)	1	1 gun		
5	398293	• Control unit <i>PFC</i> (two channels)	1	2 guns		
5	398875	• Control unit <i>PFC</i> (three channels)	1	3 guns		
	398380	• • Basic	1			
	398384	• • • Bus board	1			
	279203	• • • • Fuse 5,0x20 3,15A T	1			
8	398381	• • 1-Channel assy PFC	AR			
9	398382	• • Cover, 1-channel assy PFC	AR			
10	398276	• Inline-current controller (sensor)	AR			
11	398277	• Connection cable (sensor to monitoring)	AR			
6	-----	Spray chamber	0,1	page 20		
7	7137252	KIT Powder pump ceramic	1 (2)	page 25	7	C
	7137097	KIT Powder pump low & medium flow	1 (2)	page 25	7	V

NOTE: For electrical components and component designation refer to wiring diagram



Fig. 2 KIT PFC: Control unit (two channels) w/ sensors and cables

Cable Coater, Complete - Tribomatic

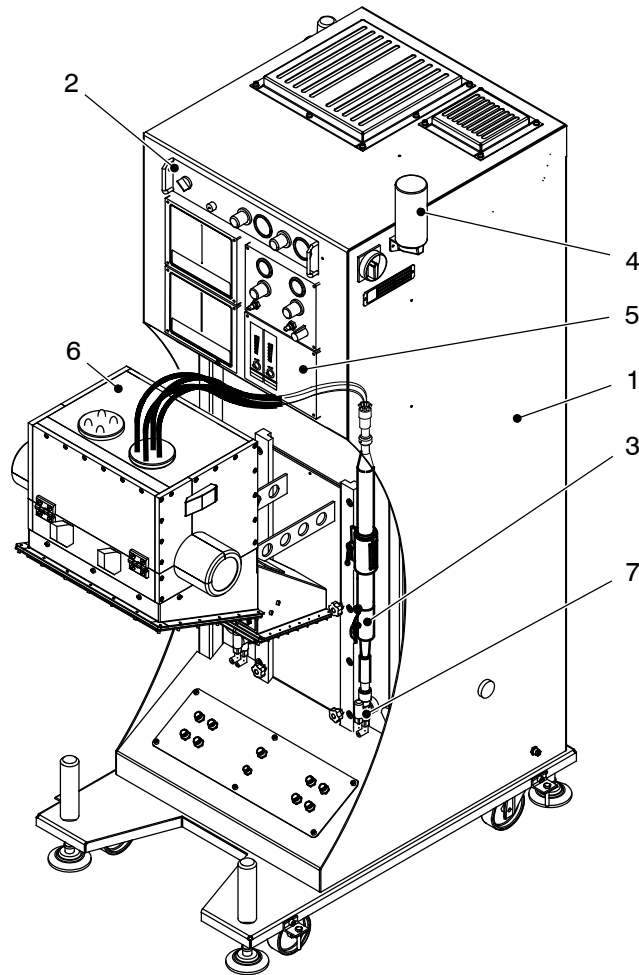


Fig. 3

Item	Part	Description	Quantity	Note	Box	Code
1	-----	Basic assembly	1	page 8		
2	-----	Controller rack	1	page 11		
3	-----	KIT Tribomatic gun	1 (2)	page 17	7+8	T1 (T2)
-	789513	El. cabinet 400 V _{AC} , 3 Ph, WYE	1		10	A
	398641	El. cabinet 400 V _{AC} , 3 Ph, WYE + XS2	1		10	A
	7114776	El. cabinet 400 V _{AC} , 3 Ph, Delta	1		10	S
	260814	Transformer 400V / 230V 1000VA	1			
	398406	El. cabinet 230 V _{AC} , 3 Ph, Delta	1		10	B
	7114742	El. cabinet 230 V _{AC} , 3 Ph, Delta + XS2	1		10	B
	398874	El. cabinet 230 V _{AC} , 1 Ph	1		10	S
4	630246 633546	• Light tower w/ audible warning • • Alarm lamp, excl, connection	1 1			
-	-----	KIT PFC (Powder Flow Control)	1	>2004 2004	11 10	P P
5	398230	• Control unit <i>PFC</i> (one channel)	1	1 gun		
5	398293	• Control unit <i>PFC</i> (two channels)	1	2 guns		
5	398875	• Control unit <i>PFC</i> (three channels)	1	3 guns		
	398380	• • Basic	1			
	398384	• • • Bus board	1			
	279203	• • • • Fuse 5,0x20 3,15A T	1			
8	398381	• • 1-Channel assy PFC	AR			
9	398382	• • Cover, 1-channel assy PFC	AR			
10	398276	• Inline-current controller (sensor)	AR			
11	398277	• Connection cable (sensor to monitoring)	AR			
6	-----	Spray chamber	1	page 20		
7	7137322	KIT Powder pump Tribomatic	1 (2)	page 29	7	T

NOTE: For electrical components and component designation refer to wiring diagram



Fig. 4 KIT PFC: Control unit (two channels) w/ sensors and cables

Basic Assembly

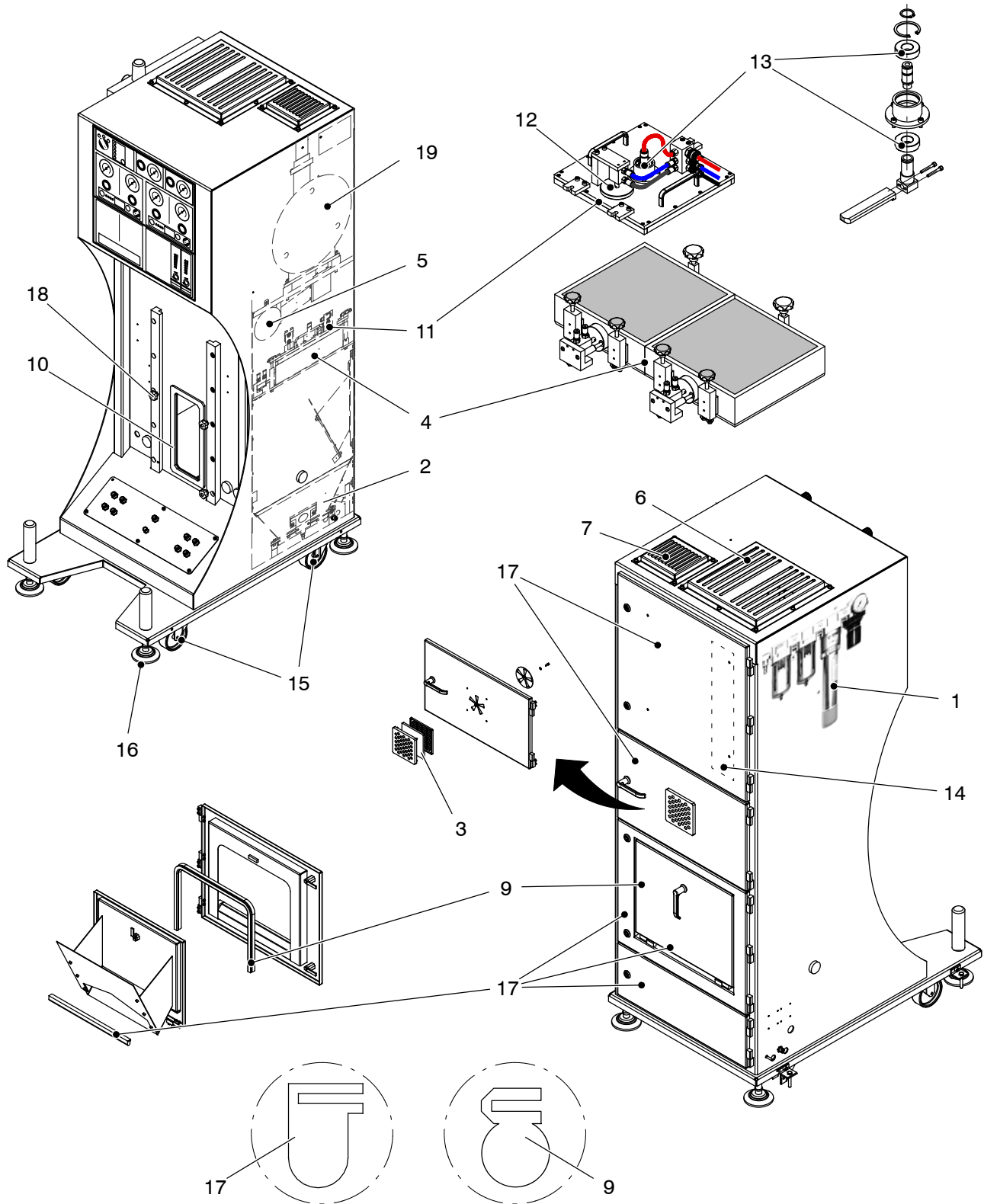


Fig. 5

Item	Part	Description	Quantity	Note	Box	Code
1	398214 398279 7114009 398280 7114010 398281 7114012 398282 7114011	Air dryer IDG50 _{SMC} compl. • Microfilter • • Microfilter insert • Submicrofilter • • Submicrofilter insert • Diaphragm dryer • • Diaphragm module • Pressure regulator • Thawpoint indicator	1			
1	<i>on request</i>	Solenoid valve (in the compressed air supply)	1	> 2007		
2	-----	Hopper, compl.	1			
	398056 7114427	• Level sensor, hopper - <i>replaced by</i> • Level sensor capacitive, hopper	1 1	3 LED 1 LED		
	398051	• Fluid plate, hopper	1			
	398058	• Vibrator, hopper	1			
	398060	• Gista profile	1			
3	464644	Filter mat	1			
4	789639	Filter compl.	1			
	398038	• • Pneumatic cylinder <i>Beater</i>	2			
	398025	• Main filter cassette	2			
	395593	• Star grip D50 AM10 L40	2			
	398024	• Star grip D40 aM8 L40	4			
5	398445	Fine filter, compl	1			
6	-----	Exhaust 1	1			
	398197	• Filter sleeve	1			
7	-----	Exhaust 2	1			
	398198	• Filter sleeve	1			
9	398149	Profile seal, flap	1			
(17)	398084	Profile seal, flap	see below			
10	398193	Seal	1			
11a	398446	Filter 1 cover w/ lamella compl.	1			
11b	7149109	Filter 2 cover w/ lamella compl.	1	not shown		
12	398038	• • Pneumatic cylinder <i>Blocking flap</i>	2			
13	398519	• • Grooved ball bearing	4			
14	398287	Solenoid valve 3/2-way <i>Refill hopper</i>	1	-14Y8		
	398286	Solenoid valve 5/2-way <i>Pneumatic cylinder "Beater"</i>	1	-14Y9		
	398286		1	-14Y11		
	398286	Solenoid valve 5/2-way <i>Pneumatic cylinder "Blocking flap"</i>	1	-14Y10		
	398286		1	-14Y13		
	7114388	Solenoid valve 3/2-way <i>Nozzle</i>	1	-14Y10.1		
	7114388		1	-14Y13.1		
15	398178	Guide caster	2			
	398180	Fixed caster	2			
16	398181	Machine foot, compl.	4			
17	398084	Profile seal (all doors)	10 m			
18	416691	Star grip D40 aM8x20	4			
19	789630	Side channel blower, compl.	1	page 10		

Main Filter Cassette Sealings

Item	Part	Description	Quantity	Note	Box	Code
-	7153690	KIT Sealing	1	4, Fig.5		
-	-----	• Sealing (air intake AND clean air side)	4			

Air Pressure Regulators Gun Control Unit(s) and Filter Cleaning - Inside -

Item	Part	Description	Quantity	Note	Box	Code
-	7120028	Pressure control valve 0,5-7bar G1/4 <i>Gun control unit(s)</i>	1	top door		
	7153118	• Pressure gauge 0-10bar G1/8	1			
-	7120028	Pressure control valve 0,5-7bar G1/4 <i>Filter cleaning</i>	1	top door		
	7153118	• Pressure gauge 0-10bar G1/8	1			

Side Channel Blower

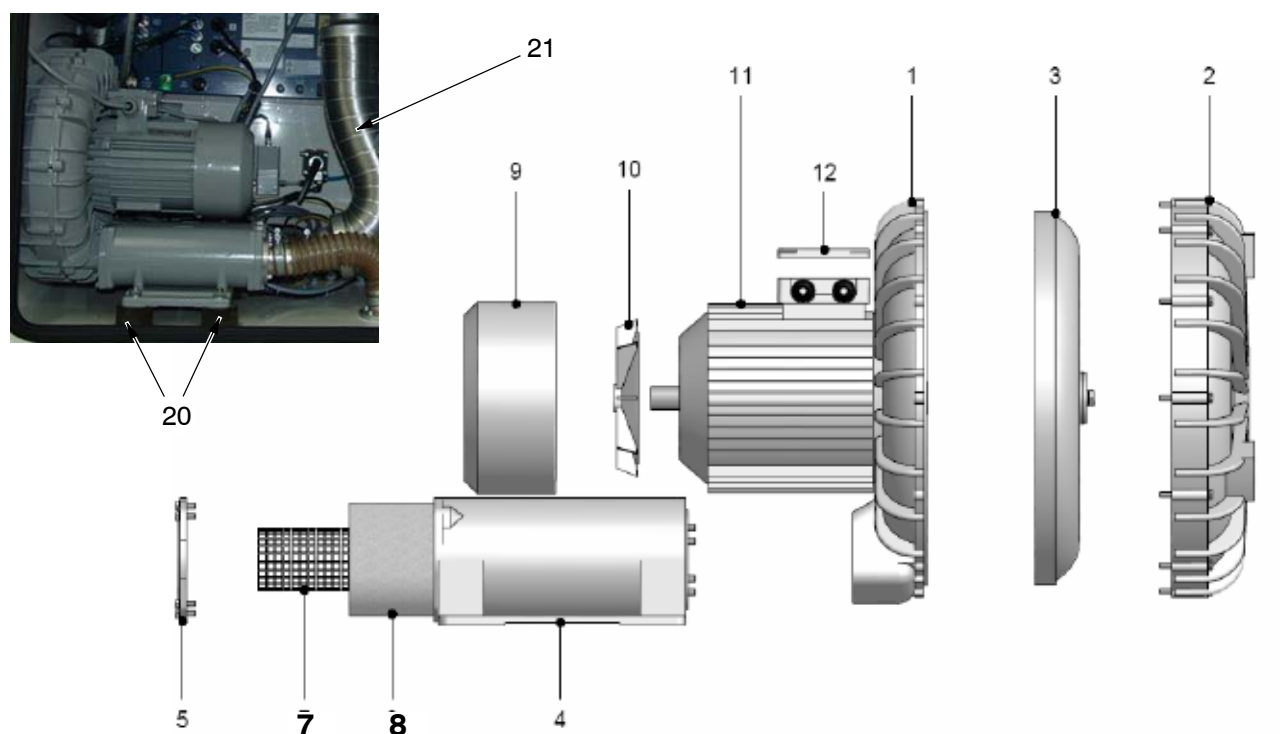


Fig. 6 Side channel blower (from the manufacturer's manual)

Item	Part	Description	Quantity	Note	Box	Code
-	789630	Side channel blower, compl.	1			
-2M8	398209	• Side channel blower	1			
20	398210	• Buffer D50xH30	4			
21	398494	• Silencer	1			
7+8	7153021	SERVICE KIT Silencer	1			

Controller Rack

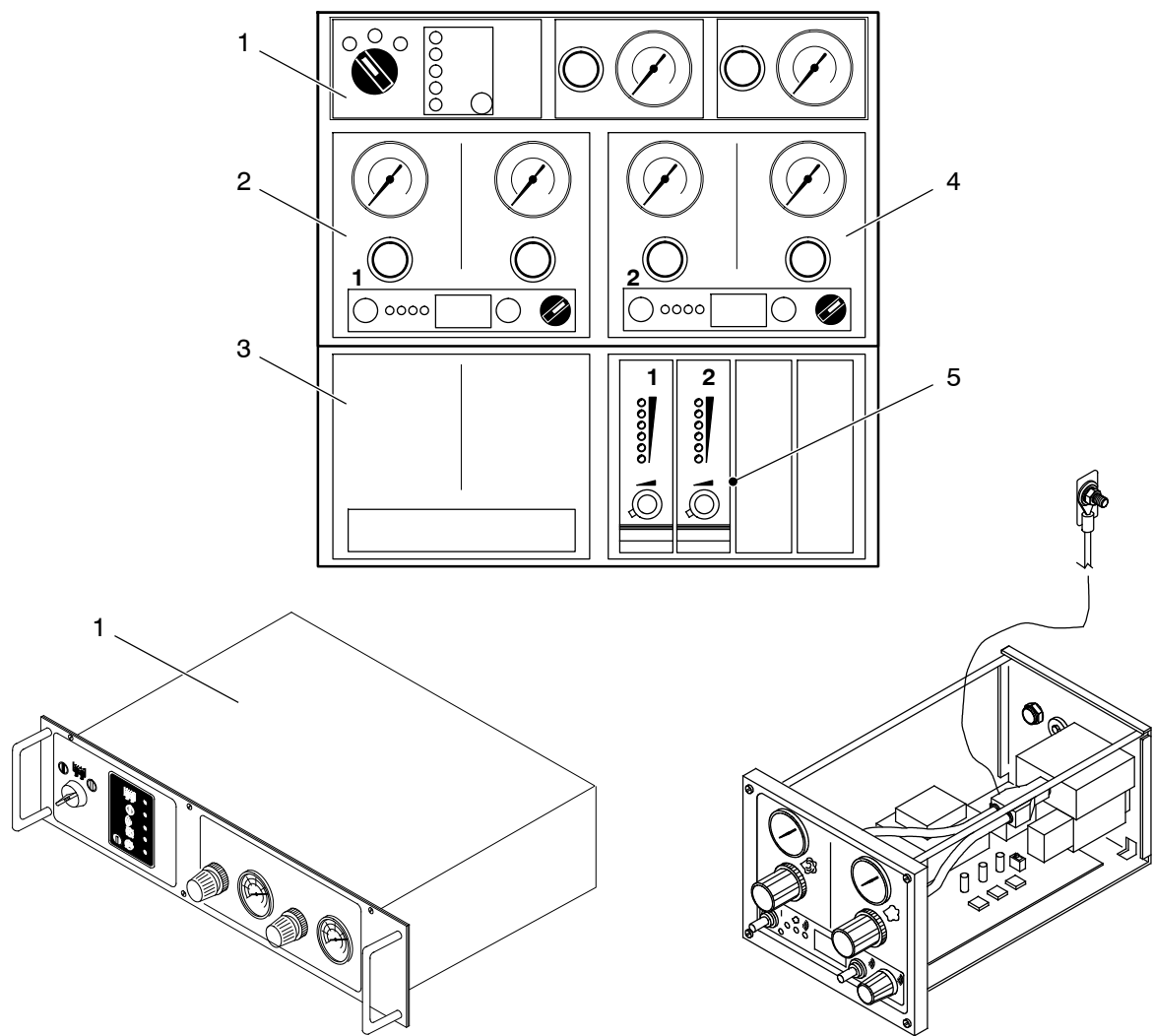


Fig. 7

Item	Part	Description	Quantity	Note	Box	Code
1	398239	Main control module ECC700	1			
2+4	173091	Control unit <i>Versa-Spray</i>	1,2		7	V,C
2+4	631100	Control unit <i>Tribomatic</i>	1,2		7	T
3	461160	Cover	AR			
5	398230	Control unit <i>PFC</i> (one channel)	1	1 gun	11	P
5	398293	Control unit <i>PFC</i> (two channels)	1	2 guns		
5	398875	Control unit <i>PFC</i> (three channels)	1	3 guns		

Versa-Spray Gun

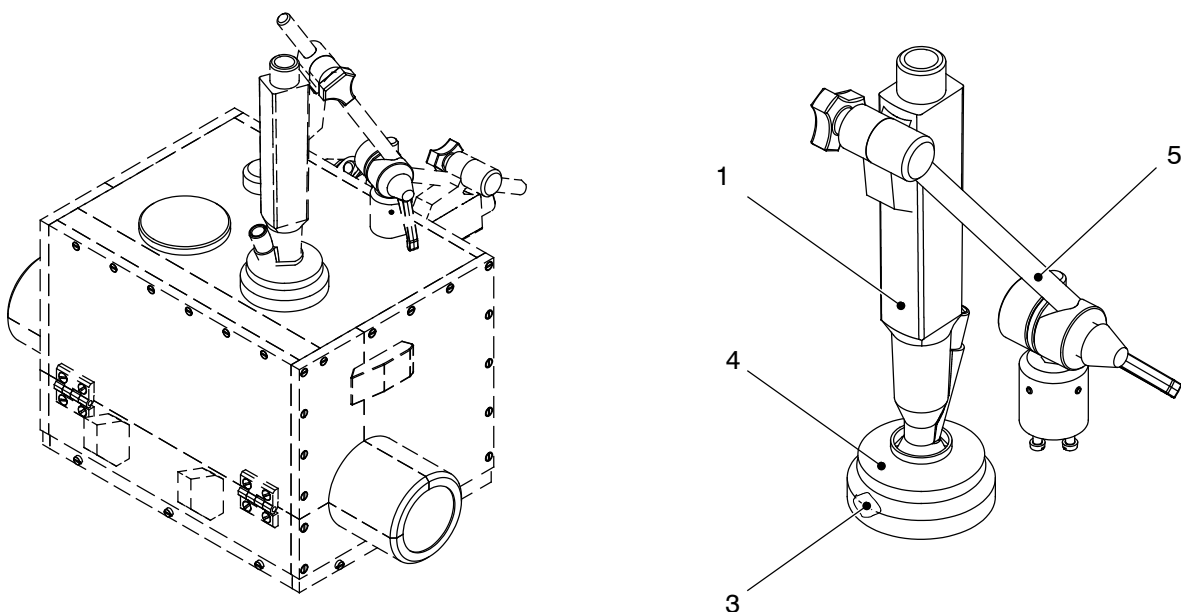


Fig. 8

Item	Part	Description	Quantity	Note	Box	Code
-	-----	KIT Versa-Spray II ceramic negative	1		7	C
1	224877	• Gun #AG-PENXSXFCD	1	A	9	N
-	142108	• Cable, Versa-Spray, 100KV,8M	1			
3	398150	• Distance ring d72,5 D92,5	1			
4	398151	• Packing	1			
5	398216	• Gun bracket, compl.	1			
-	-----	KIT Versa Spray II negative	1		7	V
1	173155	• Versa-Spray II auto gun, SHUR-LOK	1		9	N
-	142108	• Cable, Versa-Spray, 100KV,8M	1			
3	398150	• Distance ring d72,5 D92,5	1			
4	398151	• Packing	1			
5	398216	• Gun bracket, compl.	1			
-	-----	KIT Versa Spray II positive	1		7	V
1	173156	• Versa-Spray II auto gun, positive SHUR-LOK	1		9	P
-	142108	• Cable, Versa-Spray, 100KV,8M	1			
3	398150	• Distance ring d72,5 D92,5	1			
4	398151	• Packing	1			
5	398216	• Gun bracket, compl.	1			
NOTE A: For other configurations of the gun refer to the gun's manual, section <i>Parts</i>						

Versa-Spray II Automatic Spray Gun

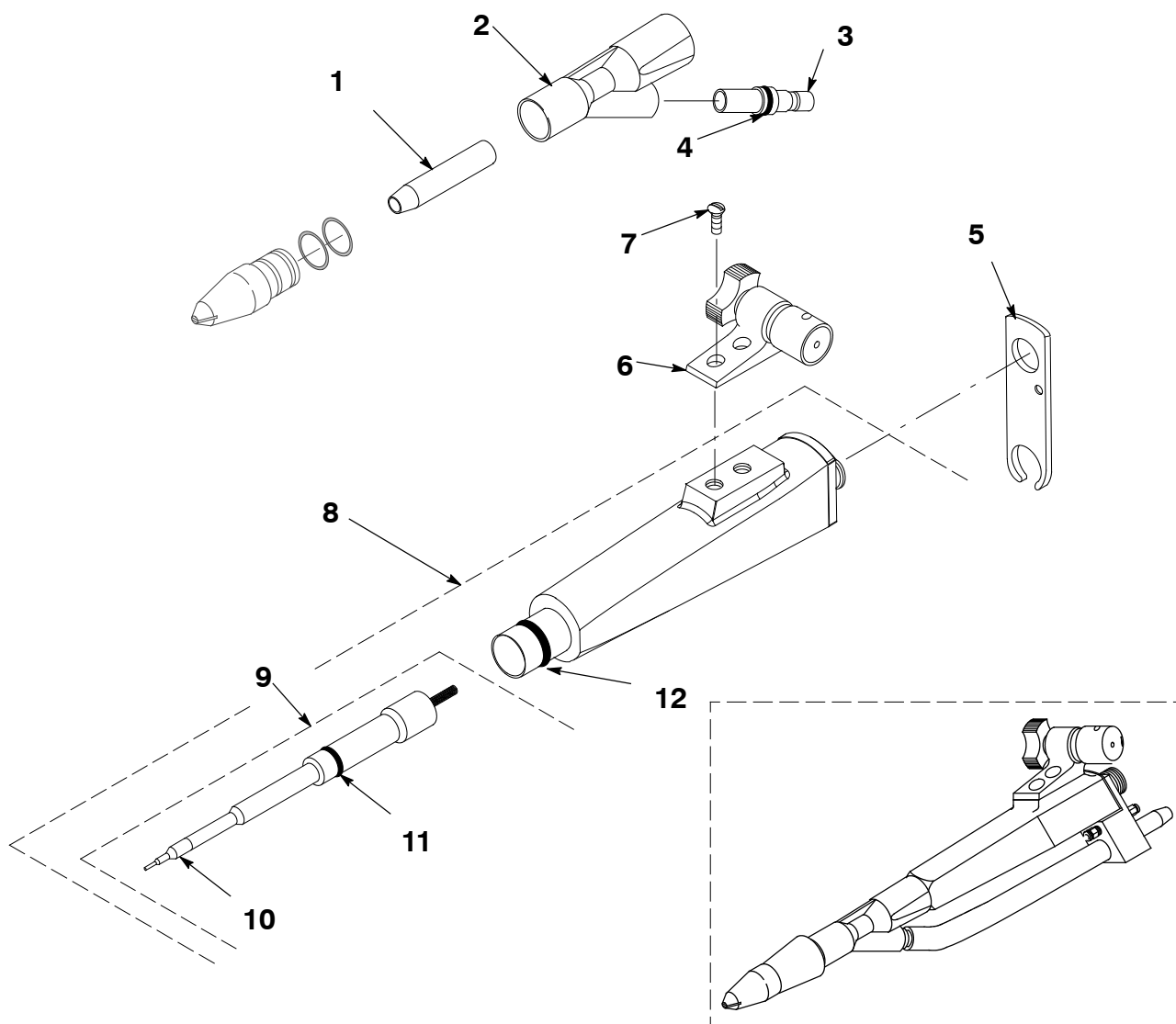


Fig. 9

Item	Part	Description	Quantity	Note	Box	Code
1	134385	Wear sleeve w/ O-ring				
2	125612	Inlet body				
3	134386	Hose adapter w/ O-ring				
4	-----	• O-ring		940163		
5	140562	Hose support bracket				
6	133409	SHUR-LOK gun mt				
7	981708	• Screws				
8	146009	Multiplier service kit, negative				
8	146008	Multiplier service kit, positive				
9	134376	• Resistor kit				
10	-----	• • Contact		132748		
11	-----	• • O-ring		940117		
12	-----	• O-ring		940243		

Item	Part	Description	Quantity	Note	Box	Code
—	224877	GUN, PE, Versa-Spray, negative, with conical nozzle and Shur-Lok mount	1		7	C
1	245523	• DEFLECTOR, ceramic, 38 mm	1			
2	945016	• • O-RING, silicone, 0.251 x 0.400 x 0.074 in.	1			
3	113931	• SLEEVE, pattern adjust	1			
4	246578	• • INSERT, Pyrex	1			
5	940331	• • O-RING, silicone, 2.000 x 2.125 x 0.063 in.	1			
6	112806	• • SLEEVE	1			
NS	942240	• • O-RING, hot paint, 1.750 x 2.000 x 0.125 in.	1			
7	245521	• NOZZLE, powder gun, ceramic	1			
8	246180	• • NOZZLE	1			
9	942161	• • O-RING, silicone, 1.125 x 1.375 x 0.125 in.	1			
10	153988	• BODY, inlet, PE, Versa-Spray	1			
11	982455	• SCREW, set, M6 x 1 x 8, nylon, black	1			
12	245434	• CONNECTOR, inlet, powder, ceramic	1			
13	101128	• SLEEVE, ceramic	1			
14	154863	• ADJUSTER, pattern sleeve, PE	1			
15	154869	• SERVICE KIT, multiplier, PE, negative	1			
16	940243	• • O-RING, silicone, 1.125 x 1.250 x 0.063 in.	1			
17	154963	• • SERVICE KIT, resistor	1			
18	1053112	• • • CONTACT, cable	1			
19	940117	• • • O-RING, silicone, 0.312 x 0.438 x 0.063 in.	1			
20	140562	• BRACKET, tube	1			
21	982056	• SCREW, flat head, slotted, M3 x 6 mm, zinc	1			
22	133409	• MOUNT, gun, pivot, lock, gun bar	1			
NS: Not Shown						

Versa-Spray II Flat Spray Nozzles

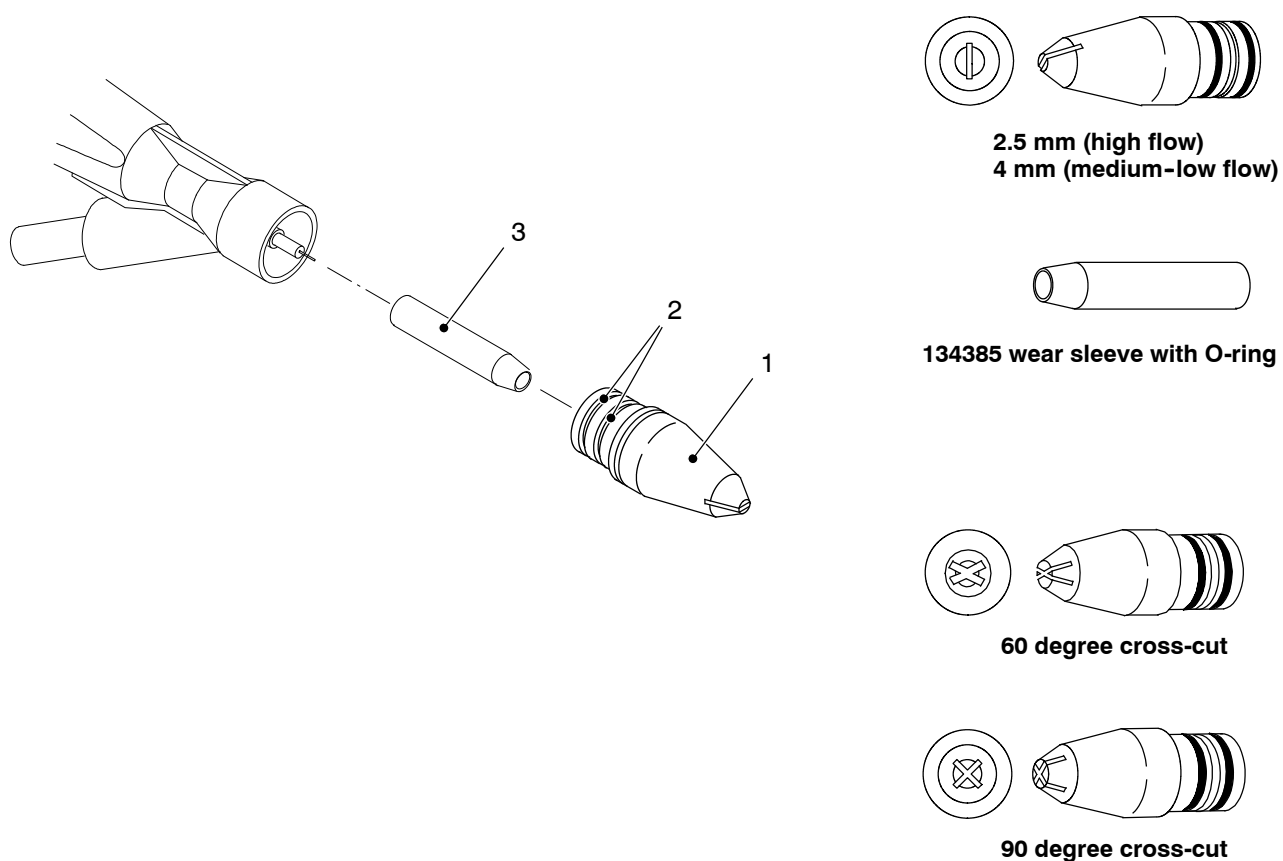


Fig. 11

Item	Part	Description	Quantity	Note	Box	Code
1	174223	Nozzle, flat w/ O-ring, glass-filled PTFE, 2.5mm	1			
2	-----	• O-ring	2			
1	174227	Nozzle, flat w/ O-ring, glass-filled PTFE, 4mm	1			
2	-----	• O-ring	2			
3	134385	Wear sleeve w/ O-ring (for flat spray nozzles)	1			

Item	Part	Description	Quantity	Note	Box	Code
1	134384	Nozzle, flat w/ O-ring, Tivar, 2.5mm	1			
2	-----	• O-ring	2			
1	141045	Nozzle, flat w/ O-ring, Tivar, 4mm	1			
2	-----	• O-ring	2			
3	134385	Wear sleeve w/ O-ring (for flat spray nozzles)	1			

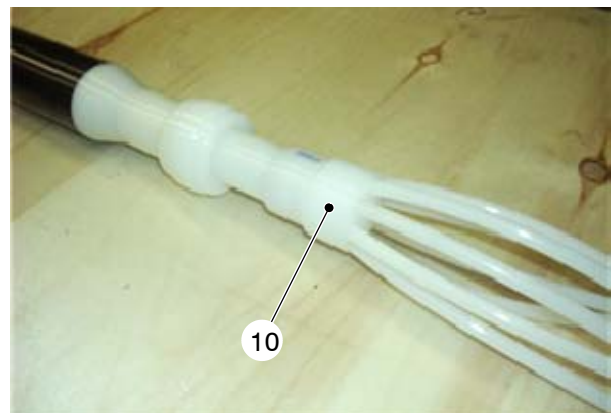
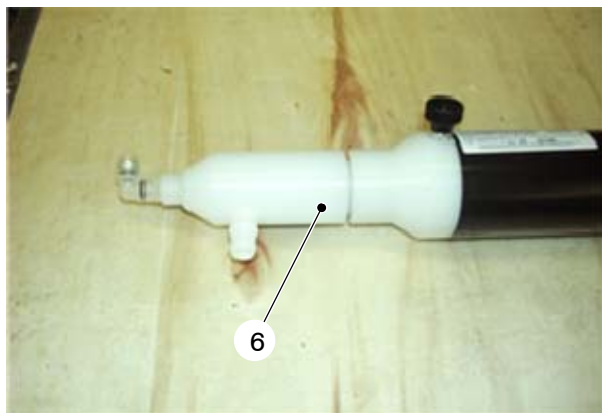
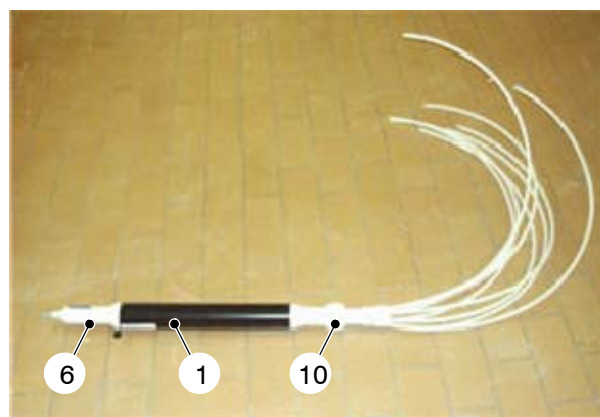
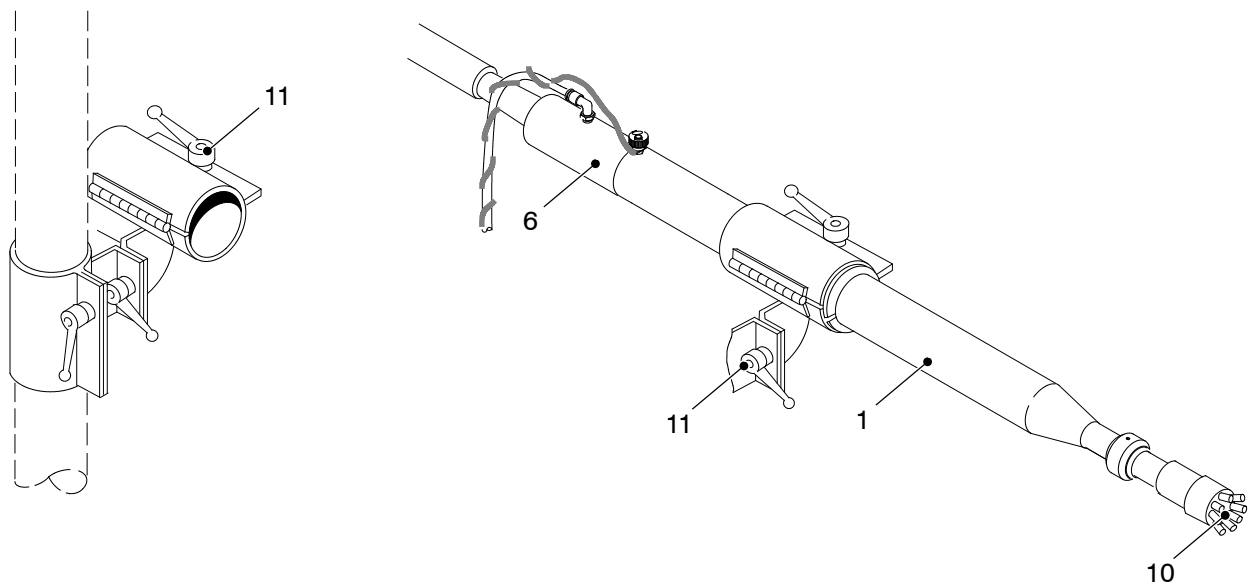
Tribomatic Gun w/ Holder

Fig. 12 E.g. gun w/ sprayhead, 8 tubes

Tribomatic Gun - Explo

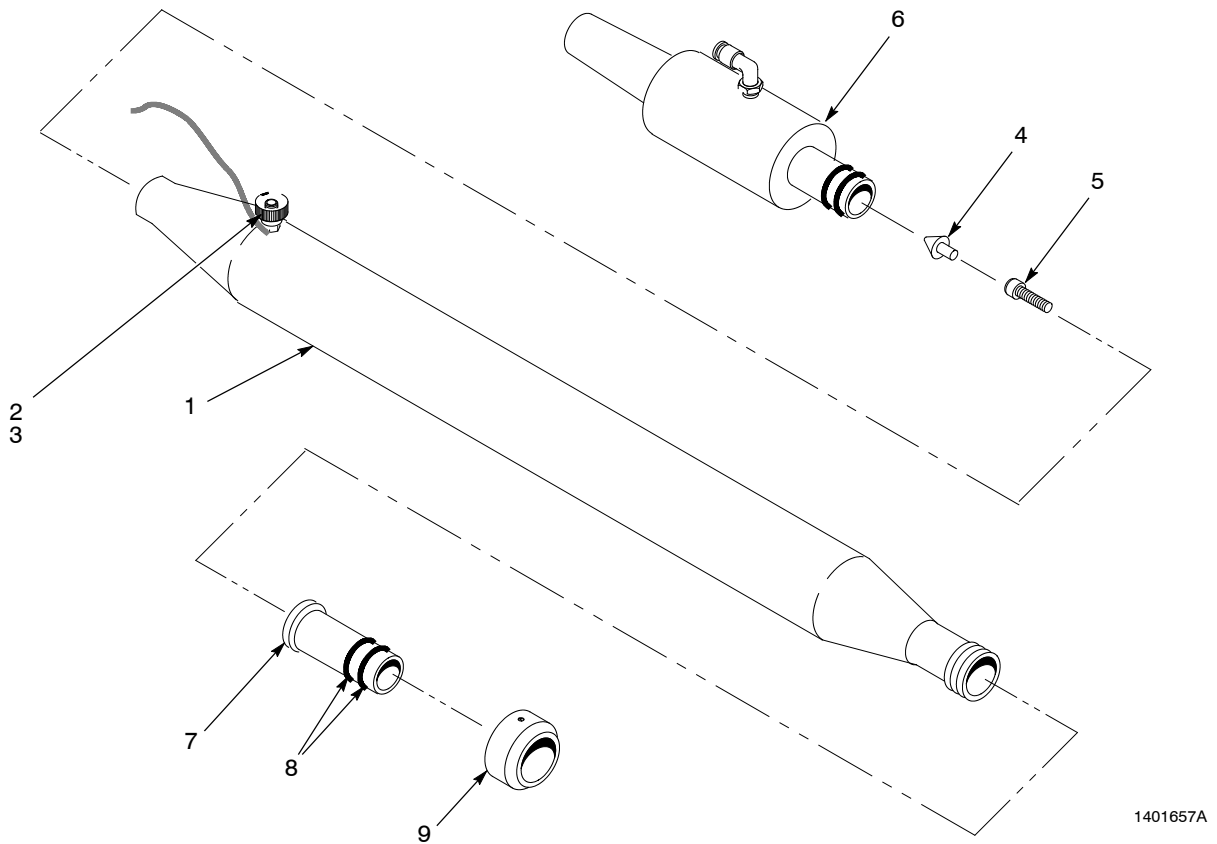


Fig. 13

Item	Part	Description	Quantity	Note	Box	Code
-	-----	KIT Tribomatic gun	1		7	T
1	634713	• CHARGETUBE, 3 TUBE, NYLON	1	A		
1	634716	• CHARGETUBE, 6 TUBE, NYLON	-	A		
2	630073	• • KNOB, chargetube ground stud	1			
3	-----	• • STUD, ground	1			
4	-----	• • DISTRIBUTOR, gun	1			
5	630296	• • SCREW, socket head, M5 x 40 mm	1			
6	635005	• DIFFUSER, GUN	1	Fig.14		
7	630011	• SPACER,GUN TO SPRAYHEAD,L82	1			
8	630025	• • O-RING, dia 25, 12 x 1.78, EPDM	2			
9	630013	• NUT,RING	1			
10	638882	• SPRAYHEAD ADJ. 4 TUBES NYLON	1			
11	630021	• HOLDER, GUN, ADJ.,RIGHT HALF.	1			
-	7114641	• Locking cover, spray chamber cpl.	1			
-	424065	• • O-Ring 75x2.5 Viton	1			
-	424040	• CONDUIT CONNECTION, PG9	1			
NOTE A: P/N 634713 low-medium flow P/N 634716 medium-high flow						

Diffuser, Gun (Standard)

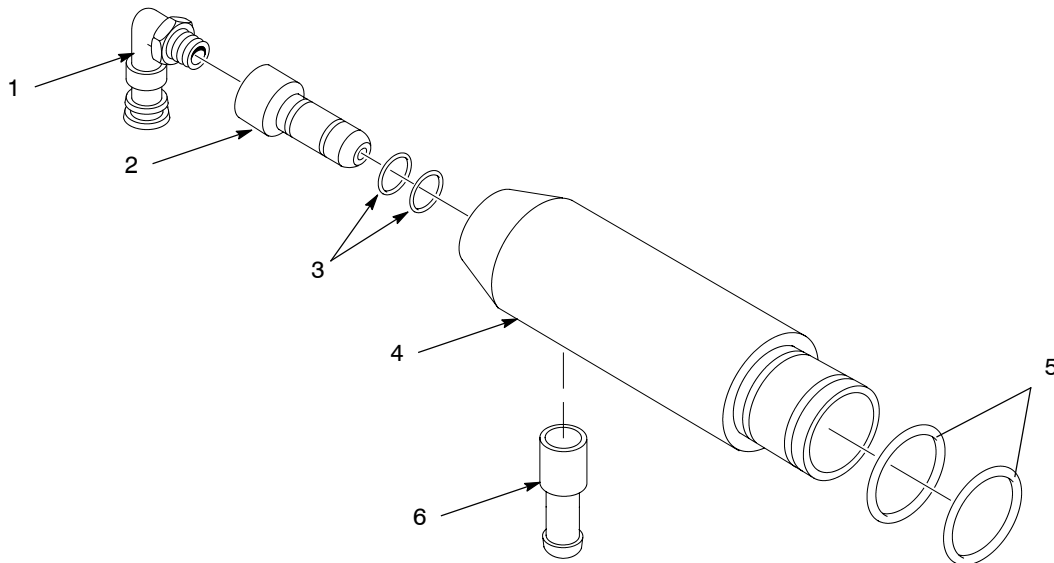


Fig. 14

Item	Part	Description	Quantity	Note
—	635005	DIFFUSER, Tribomatic	1	
1	630035	• FITTING, air	1	
2	635007	• NOZZLE, diffuser	1	
3	940117	• O-RING, silicone, 0.312 x 0.438 x 0.063 in.	2	
4	635008	• HOUSING, diffuser	1	
5	630025	• O-RING, diameter 25, 12 x 1.78, EPDM	2	
6	635006	• CONNECTOR, diffuser	1	

Spray Chamber, Complete

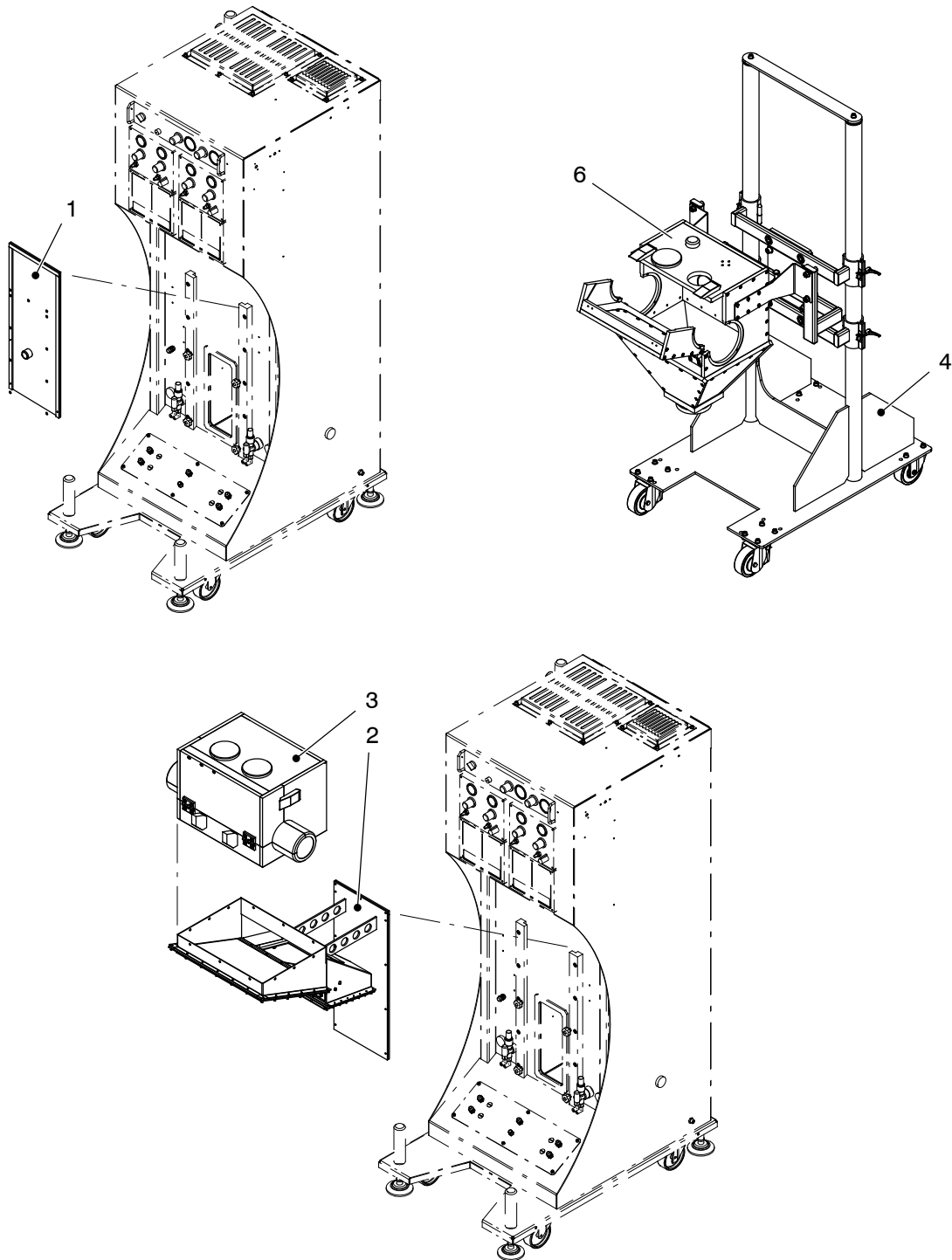


Fig. 15

Item	Part	Description	Quantity	Note	Box	Code
1	7141758	KIT Cover <i>Powder hose connection</i>	1	ECC70x		
	7141622	• Sign <i>Powder hose connection</i>	1			
-	-----	Attached spray chamber	1	ECC700		
2	789643	• Material recirculation	1	page 24		
3	7114976	• Spray chamber, basic assy	1	pages 22, 23		
-	-----	Remote spray chamber & trolley	1	ECC70x		
4	7137542	• Trolley w/ clamp lever OR	1			
4	7128502	• Trolley w/ handwheel	1			
-	203446	• • Kit-INS Casters, compl.	1	page 38		
6	7137483	• Spray chamber <i>New!</i>	1			
-	7141720	• • Spray chamber w/ safety switch	1			
1	7141758	• KIT Cover <i>Powder hose connection</i>	1			

Item	Part	Description	Quantity	Note	Box	Code
-	7158840	KIT ECC700 screws, hinge, locking jig (for spray chamber P/N 7114976)	1	8, Fig.16 8, Fig.17		
-	-----	• Locking jig	2			
-	-----	• Hinge	2			
-	-----	• Pan head screw M5x20 PA	14			
-	-----	• Pan head screw M5x25 PA	6			
-	-----	• Flat head screw M6x20 PA acc. DIN 963	8			
-	-----	• Pan head screw M6x20 PA acc.DIN 84	32			
-	-----	• Pan head screw M6x25 PA	39			

Spray Chamber - Versa-Spray

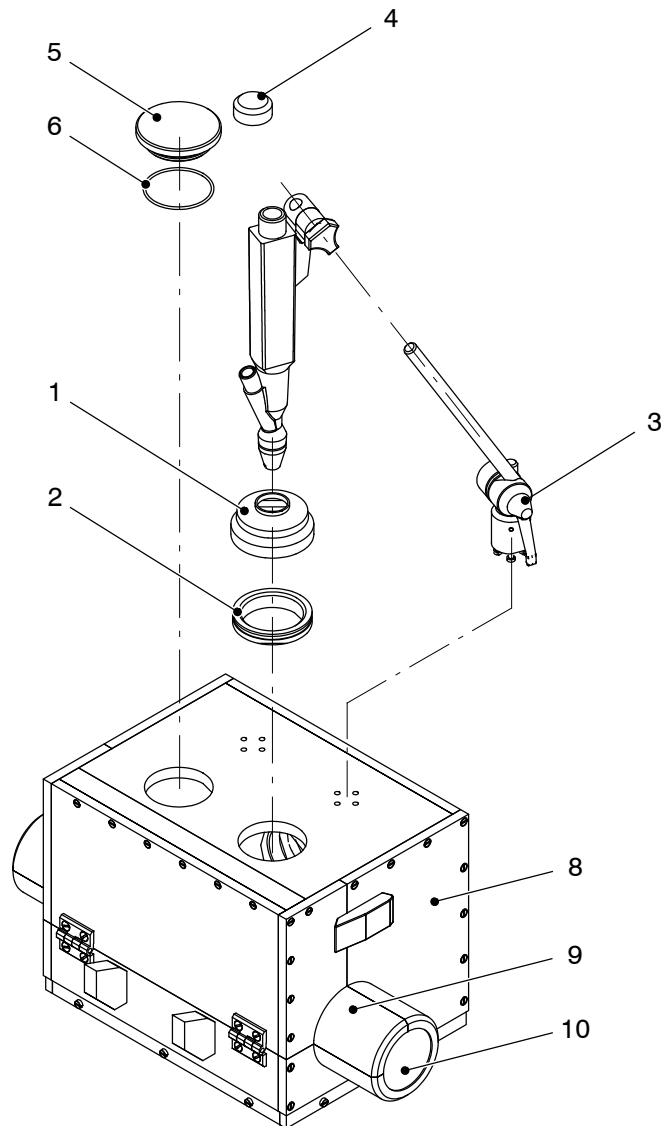


Fig. 16 Spray chamber ECC700

Item	Part	Description	Quantity	Note	Box	Code
8	7114976	Spray chamber, basic assy	1			
9	398237	• Connecting branch D80 1/4	2			
10	398246	• Connecting branch D80 3/4	2			
1	398151	Packing	1,2			
2	398150	Distance ring d72,5 D92,5	1,2			
3	398216	Gun bracket, compl.	1,2			
4	398165	Cover, spray chamber compl.	AR			
5	398164	Locking cover, spray chamber compl.	AR			
6	424065	• O-ring 75x2,5 Viton	1			

Spray Chamber - Tribomatic

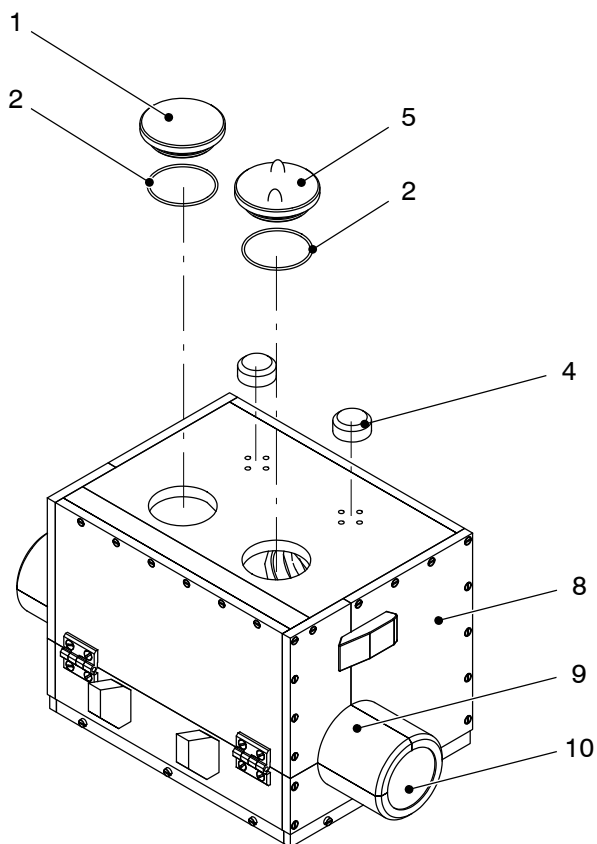


Fig. 17 Spray chamber ECC700

Item	Part	Description	Quantity	Note	Box	Code
4	398165	Cover, spray chamber compl.	4			
8	7114976	Spray chamber, basic assy	1			
9	398237	• Connecting branch D80 1/4	2			
10	398246	• Connecting branch D80 3/4	2			
1	398164	Locking cover, spray chamber compl.	AR			
2	424065	• O-ring 75x2,5 Viton	1			
5	7114641	Locking cover w/ 2 PG9	AR			
2	424065	• O-ring 75x2,5 Viton	1			
-	460980	Conduit connection, plastic PG9	AR			

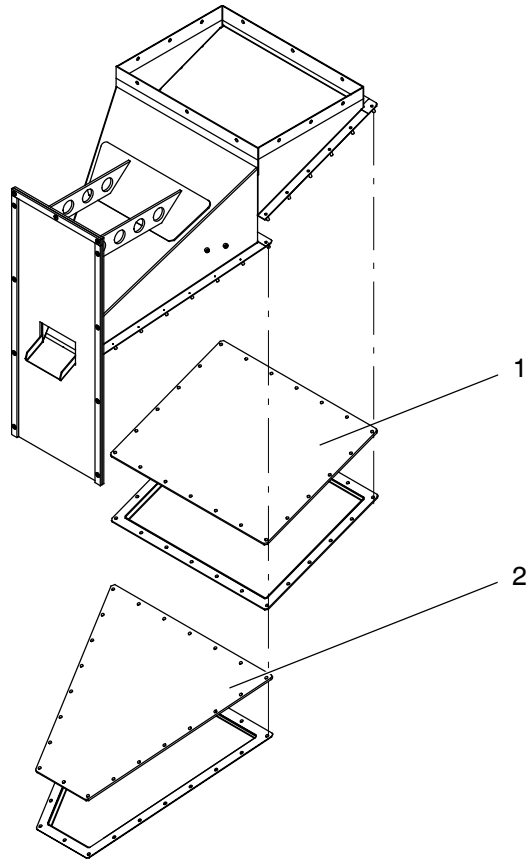
Attached Spray Chamber - Fluid Plates

Fig. 18

Item	Part	Description	Quantity	Note	Box	Code
-	789643	Material recirculation ECC700	1			
1	398097	• Fluid plate	1			
2	398100	• Fluid plate	1			

Versa/Ceramic Pumps

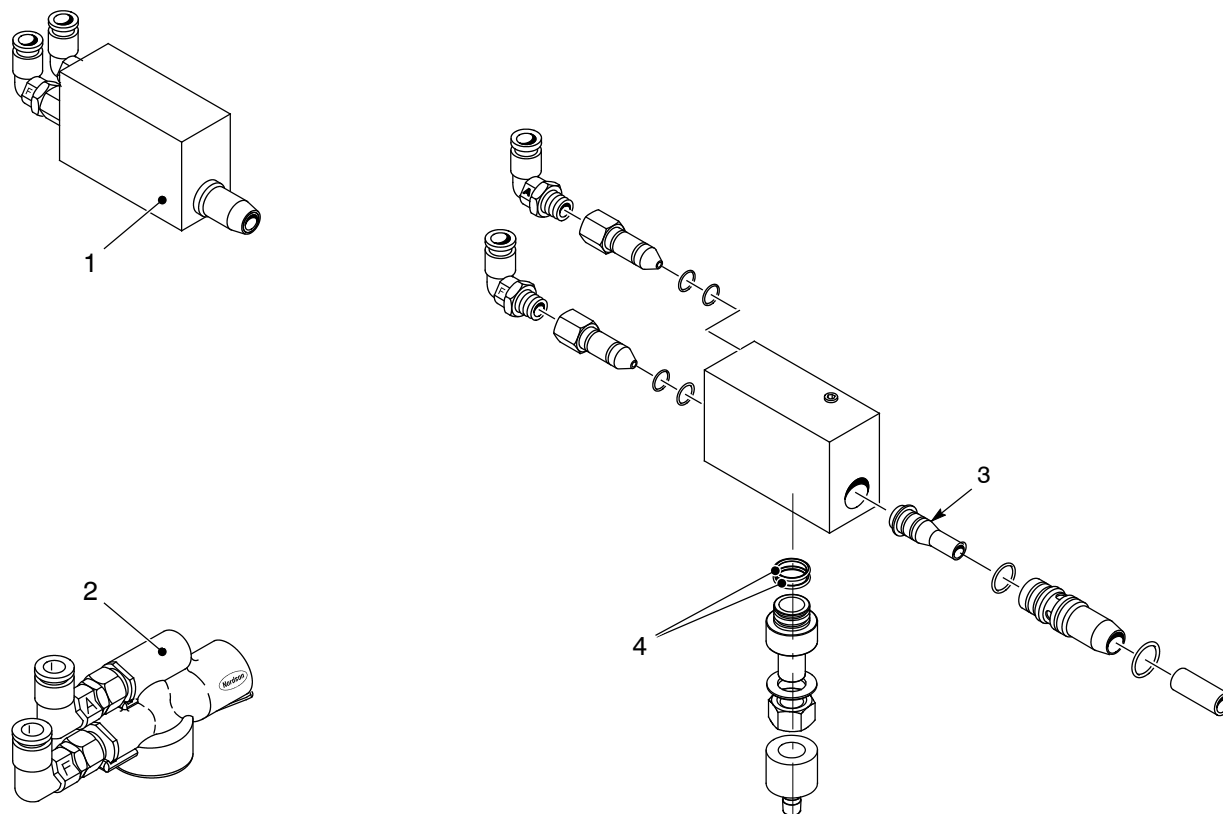


Fig. 19

Item	P/N	Description	Quantity	Note	Box	Code
-	7137097	KIT Powder pump low & medium flow	1	until 11/2008	7	V
2	224713	• Pump, powder, modular, 6 mm	1	page 26		
-	-----	• Tubing, Polyurethane, .485	5.5m			
-	-----	• Adapter, pump compl.	1			
4	635923	• • O-ring 22x2,5 Viton	2		7	C
-	7137252	KIT Powder pump ceramic	1			
1	165636	• Pump, powder, metric, 6 mm	1	page 27		
-	114221	• • Throat, Venturi, Tivar - <i>replaced by</i>	-			
3	1064256	• • Throat, Smart™ Venturi, standard flow	1			
3	114219	• Throat, Venturi, Tivar, low flow	1	page 28		
3	114223	• Throat, Venturi, stainless steel, std. flow	1	page 28		
-	-----	• Tubing, Polyurethane, .485	5.5m			
-	-----	• Adapter, pump compl.	1			
4	635923	• • O-ring 22x2,5 Viton	2			

O-Rings / Wear Parts for Pump P/N 224713 (Low & Medium Flow)

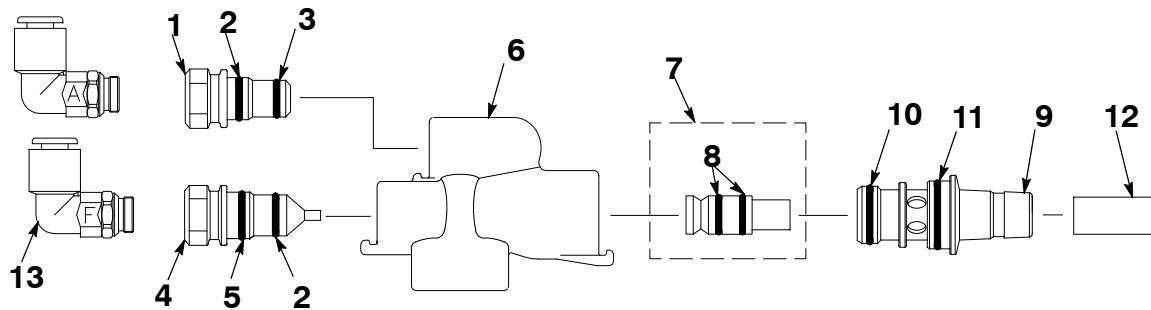


Fig. 20

Item	Part	Description	Quantity	Note	Box	Code
-	224713	Pump, powder, modular, 6 mm	1	until 11/2008	15	N
1	224733	• Atomizing air nozzle				
2	940129	• O-ring, conductive				
2	340636	• O-ring, non-conductive		A		
3	940010	• O-ring, conductive		B		
4	224727	• Flow air nozzle				
5	940207	• O-ring, conductive		B		
6	224726	• Pump body				
7	225547	• Throat, 0.188 in. ID, Tivar, w/ O-rings		C		
8	940126	• • O-ring				
9	224728	• Throat holder				
10	940015	• O-ring, conductive				
10	340637	• O-ring, non-conductive		A		
11	940177	• O-ring, silicone, conductive		B		
12	224736	• Wear tube				
13	972126	• Elbow, male, 6 mm tube				
Optional Venturi Throats with O-rings						
7	225548	Throat, 0.213 in. ID, PTFE		D, E		
7	225546	Throat, 0.213 in. ID, Tivar		E		
7	225549	Throat, 0.188 in. ID, PTFE		D		
NOTE A: Optional O-ring, provides better retention of nozzle and throat holder. Other O-ring on nozzle and holder MUST be black conductive silicone to ensure proper grounding. B: Electrically conductive black silicone. Do not replace with non-conductive O-rings. C: Standard Venturi throat. D: PTFE is more resistant to powder impact fusion than Tivar but may wear faster. E: Larger ID throats are used for special applications, such as high flows with short hose runs. Refer to manual for more information.						

O-Rings / Wear Parts for Pump P/N 165636 (Ceramic)

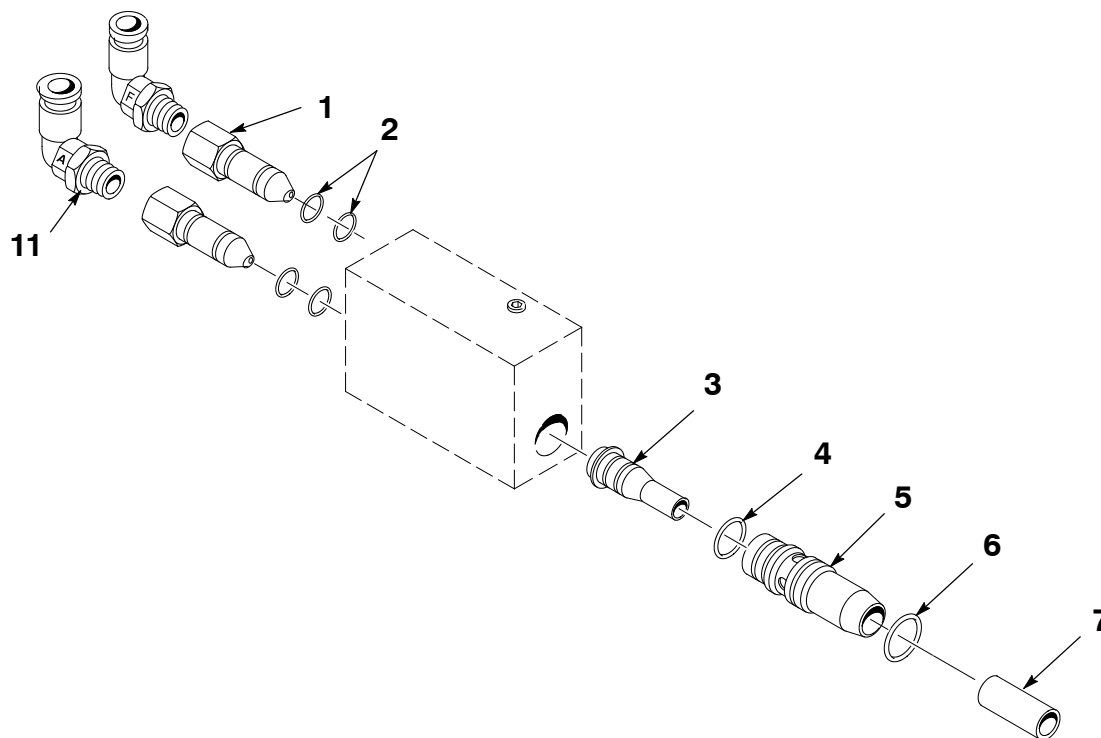
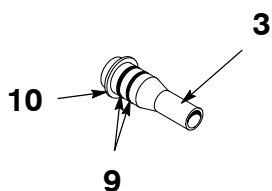


Fig. 21

Item	Part	Description	Quantity	Note	Box	Code
-	165636	Pump, powder, metric, 6 mm	1		15	C
1	249503	• Venturi nozzle (flow and atomizing air)	2			
2	940129	• O-rings	4			
3	1064256	• Throat, Smart™ Venturi, standard flow	1	page 28		
4	940163	• O-ring	1			
5	249506	• Throat holder	1			
6	940184	• O-ring	1			
7	249507	• Wear tube, standard flow	1			
11	972126	• Elbow, male, 6 mm	2			

Venturi Throats Selection



Item	Part	Description	Quantity	Note	Box	Code
Optional Venturi Throats - for Standard Flow						
3	-----	Throat, Venturi	1			
9	940126	• O-ring	2			
10	986100	• Retaining ring	1			
3	249504	PTFE	1	A		
3	174215	Glass-filled PTFE	1	B		
3	114223	Stainless steel	1	C		
3	114221	Tivar	1	D		
3	1064256	Smart™	1	E		
NOTE A: May exhibit less impact fusion with certain powder materials, but has a shorter wear life. B: May exhibit better wear life than a PTFE throat, and less impact fusion than a Tivar throat. C: Used in special applications with non-paint powdered materials. D: May exhibit better wear life, but more impact fusion than a PTFE throat. E: Smart™ Venturi throats do not require O-rings and retaining ring (items 9 and 10).						

Item	Part	Description	Quantity	Note	Box	Code
Optional Venturi Throats - for Low Flow						
3	109101	PTFE	1	A		
3	174213	Glass-filled PTFE	1	B		
3	114219	Tivar	1	C		
3	1064257	Smart™	1	D		
NOTE A: May exhibit less impact fusion with certain powder materials, but has a shorter wear life. B: May exhibit better wear life than a PTFE throat, and less impact fusion than a Tivar throat. C: May exhibit better wear life, but more impact fusion than a PTFE throat. D: Smart™ Venturi throats do not require O-rings and retaining ring						

Smart Venturi Throats Replacements



Standard-Flow (blue) P/N 1064256 replaces

- P/N 114221 (Tivar)
- P/N 249504 (PTFE)

Low-Flow (red) P/N 1064257 replaces

- P/N 114219 (Tivar)
- P/N 109101 (PTFE)

Tribomatic Pump

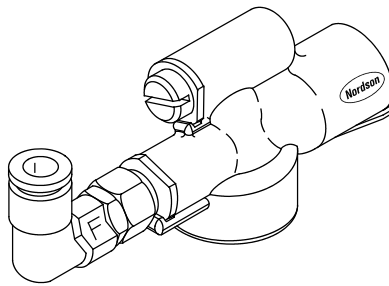


Fig. 22

Item	P/N	Description	Quantity	Note	Box	Code
-	7137322	KIT Powder pump Tribomatic	1		7	T
-	224715	• PUMP,MODULAR,TRIBO,PACKAGED	1			
-	-----	• THROAT,.188 DIA,SS,PACKAGED	1	233449		
-	-----	• TUBING,POLYURETHANE,.485	AR	900724		
-	-----	• Adapter, pump ECC700	1	398191		
-	-----	• Lock nut polyamid metric M20x1,5	1	207122		

O-Rings / Wear Parts for Pump P/N 224715 (Tribomatic)

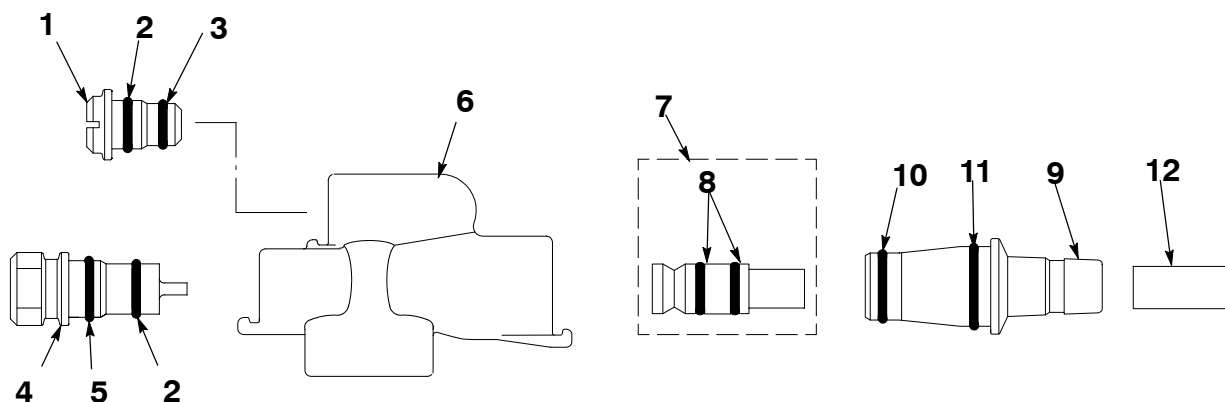


Fig. 23 Tribomatic II Modular Pump

Item	Part	Description	Quantity	Note	Box	Code
-	224715	Tribo, pump, modular	1		15	T
1	224735	Plug, atomizing shutoff				
2	940129	O-ring, silicone, conductive		A		
3	940010	O-ring, silicone, conductive		A		
4	224727	Flow air nozzle				
5	940207	O-ring, silicone, conductive		A		
6	224726	Modular pump body				
7	225547	Throat, 0.188 in. ID, Tivar, w/O-rings				
8	940126	• O-ring, silicone				
9	224730	Throat holder				
10	940015	O-ring, silicone, conductive		A		
11	940177	O-ring, silicone, conductive		A		
12	224736	Wear tube				
Optional Venturi Throats with O-rings						
7	225549	Throat, 0.188 in. ID, PTFE		B		
NOTE A: Electrically conductive black silicone. Do not replace with non-conductive O-rings. B: PTFE is more resistant to powder impact fusion than Tivar but may wear faster.						

Handles, Turnbuckles and Keys

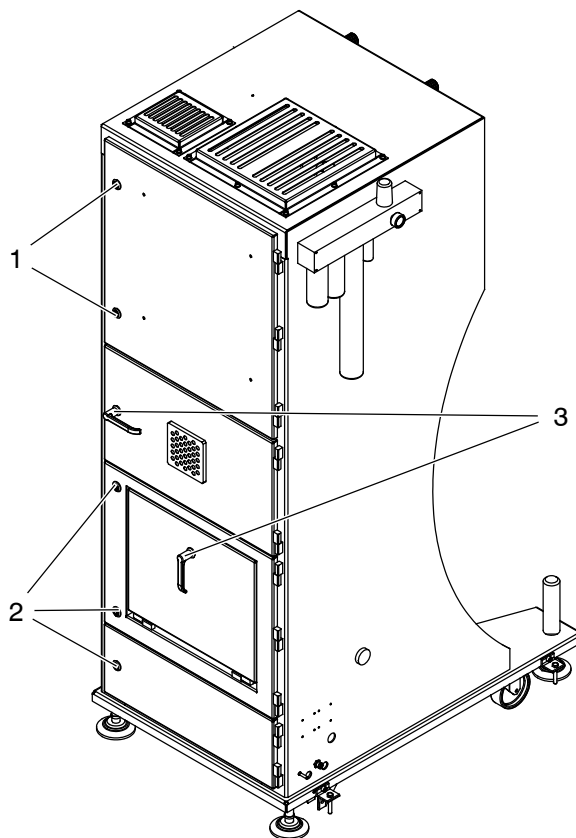


Fig. 24

Item	Part	Description	Quantity	Note	Box	Code
1	398067	Turnbuckle w/tongue	1			
	253145	Two-way key no.5	1			
2	402423	Turnbuckle w/tongue	1			
	264518	Key 8mm-square type:A	1			
3	398072	Handle, compl.	1			

Powder Hoses and Tubings

(Lifetime depends on powder type)

Item	Part	Description	Quantity	Note	Box	Code
-	789497	Hose, dia 40mm PU clear	6 m			
-	900724	Tubing, Polyurethane,.485	5.5 m	A		
-	768178	Hose, anti-static, 12.7mm ID x 2.75mm	6 m	B		

NOTE A: For Talcum and SAP

B: With internal copper wire (impact fusion in the hose will be avoided)
Use hose in combination with 100+ pumps

Service & Accessory Kits

Refill hopper (Feed Hopper) - HR

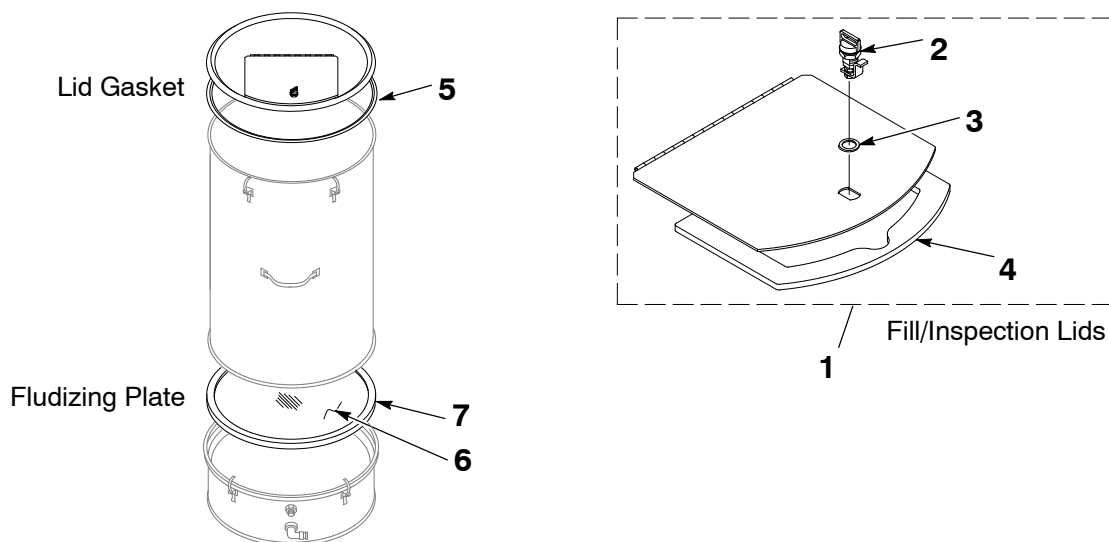


Fig. 25 Will be replaced by model NHR

Item	Part	Description	Quantity	Note	Box	Code
-	1001967	KIT Refill hopper (feed hopper)	1			
-	163568	• Hopper, packaged, HR-2-80	1			
-	165633	• Pump, transfer	1			
-	1072226	• Dolly assembly, 3-wheel	1			

Item	Part	Description
HR- Fill/Inspection Lid		
1	237196	Service kit, fill/inspection lid assembly
2	237004	• Latch, fill/inspection lid
3	237006	• Gasket, latch
4	1074469	• Gasket, fill/inspection lid
HR- Lid Gasket		
5	144818	Service kit, hopper lid gasket <i>(includes 900491 adhesive)</i>
-	144820	• Gasket, lid
HR- Fluidizing Plate		
6	104168	Fluidizing plate
7	104181	Gasket, U-channel

Metric Powder Transfer Pump

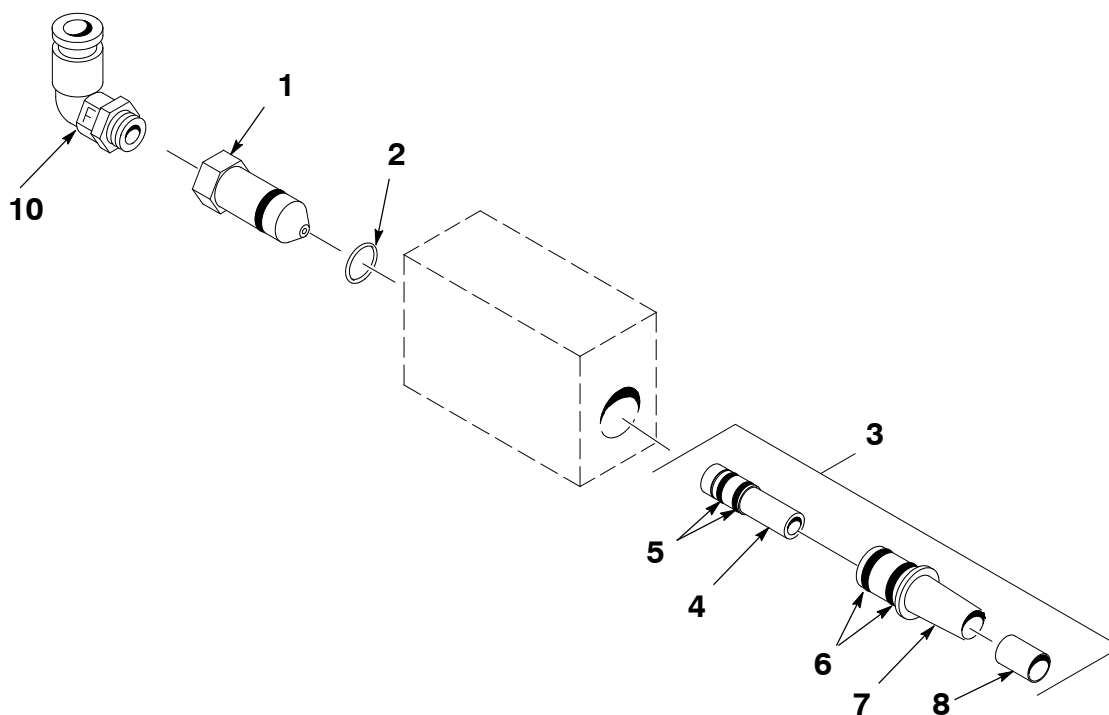


Fig. 26

Item	Part	Description	Quantity	Note	Box	Code
-	165633	Pump, transfer, 10 mm in, 19 mm out	1			
1	244643	Air nozzle	1			
2	942106	O-ring, conductive	1			
3	307439	Kit, throat w/ holder	1			
4	307437	• Tivar throat w/ O-rings	1			
5	940142	• • O-ring	2			
6	942106	• O-rings, conductive	2			
7	307435	• Holder, throat	1			
8	118832	• Wear sleeve	1			
10	972125	Elbow, 10-mm tube	1			

Refill hopper (Feed Hopper) - NHR

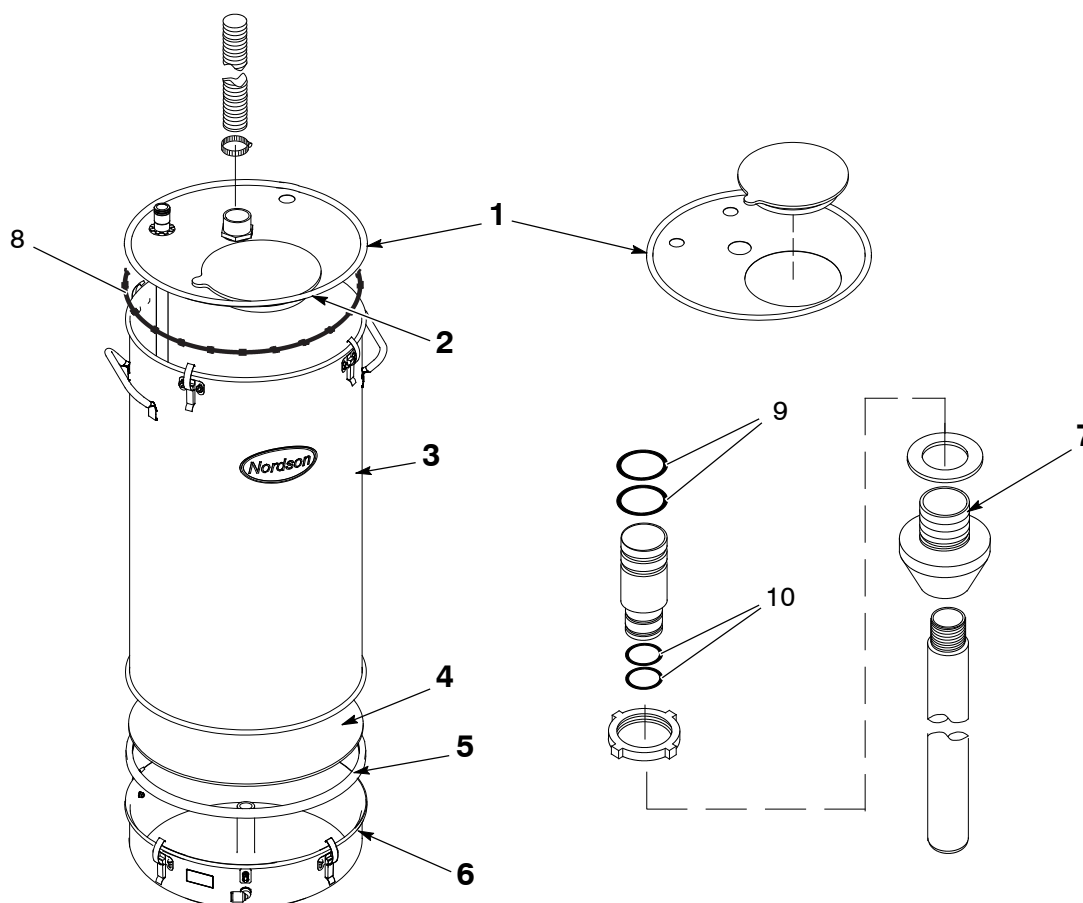


Fig. 27

Item	Part	Description	Quantity	Note	Box	Code
-	1001967	KIT Refill w/hopper	1			
-	1074573	• Hopper, packaged, NHR-2-80	1			
1	1074532	• • Lid, hopper, packaged, 2-pump				
2	1070199	• • Plug, hopper fill, NHR				
3	1074338	• • Body, hopper, NHR, assy, 80 packaged				
4	1070232	• Fluidizing plate				
5	1070234	• Gasket, U-channel				
6	1074531	• Drum, fluidizing	x 1070195			
7	163556	• Tube, pickup, 80 lb packaged				
-	165633	• Pump, transfer	1	page 33		
-	1072226	• Dolly assembly, 3-wheel	1			
8	1074539	SERVICE KIT Gasket lid	1			
9	941185	O-Ring, conductive, 0.875 x 1.062 in.	2			
10	941145	O-Ring, conductive, 0.625 x 0.812 in.	2			

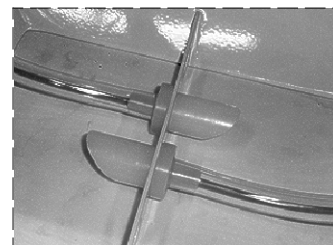
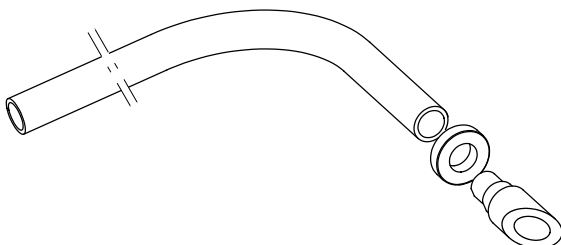
Transformer 400V / 230V

Item	Part	Description	Quantity	Note	Box	Code
-	260814	Transformer 400V / 230V 1000VA	1			

Transformer 480V / 230V

Item	Part	Description	Quantity	Note	Box	Code
-	1087087	Transformer 480V / 230V	1	USA only		

High Volume Kit



Item	Part	Description	Quantity	Note	Box	Code
-	398692	High volume kit, compl.	1			

Muffler Kit

Item	Part	Description	Quantity	Note	Box	Code
-	398487	Silencer (muffler), compl.	1	21, Fig.6		
	-----	• Silencer connection piece	2			
	-----	• Silencer	1			
	-----	• Hose connection fitting,silencer	2			

Pressure Accumulator Kit

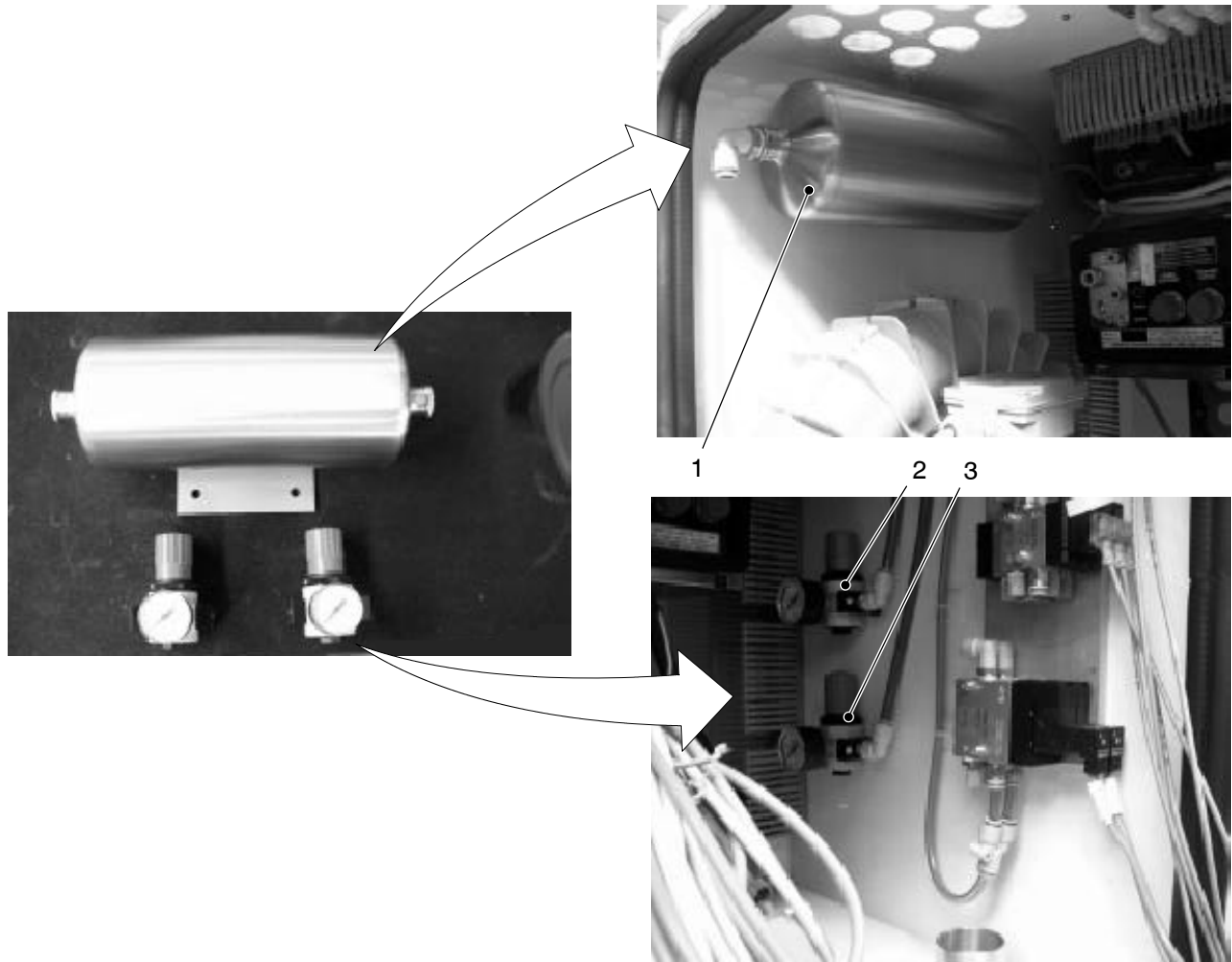
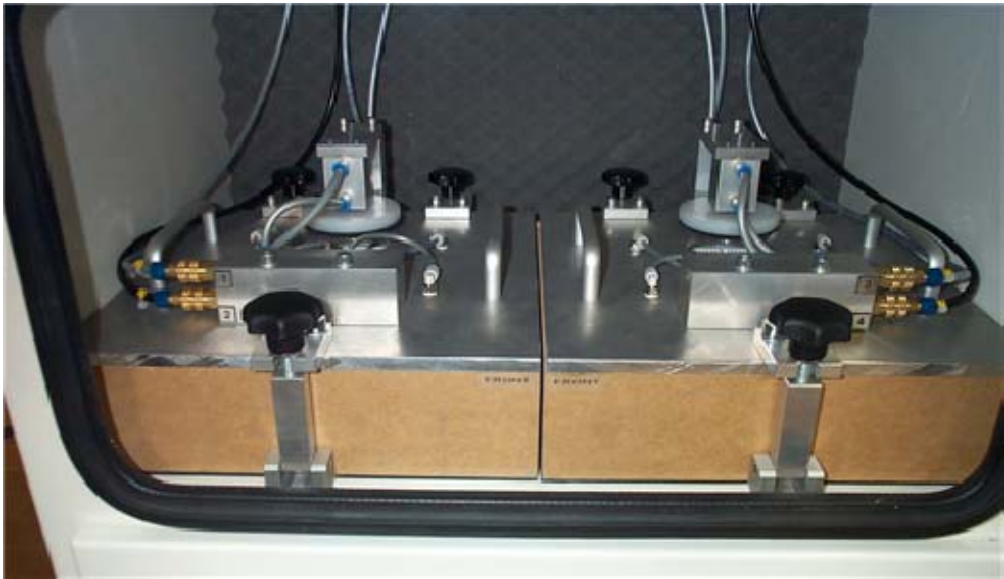


Fig. 28 These components are standard beginning with serial number LU04C02610

Item	Part	Description	Quantity	Note	Box	Code
-	<i>on request</i>	KIT Pressure accumulator	1			
1	398691	• Pressure accumulator, compl.	1			
2	7120028	• Pressure controller <i>Gun Control unit(s)</i>	1			
3	7120028	• Pressure controller <i>Filter cleaning</i>	1			
-	-	• Bulk material	AR			

Revised Filter Cleaning

Before retrofitting



After retrofitting

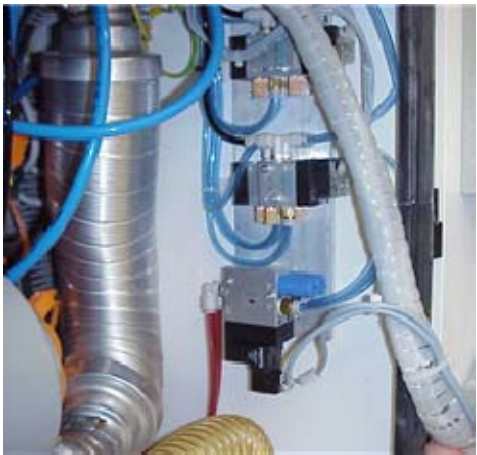


Fig. 29

Item	Part	Description	Quantity	Note	Box	Code
-	8041103	KIT Filter cleaning	1			
-	397880	Instruction sheet <i>Retrofitting Kit Filter Cleaning for Cable Coater ECC 700</i>	1			

New Remote Spray Chamber

The new Remote Spray Chamber with an increased supply of parts for additional features replaces the old one

NOTE: Retrofitting kits on request. Please state the serial number of your cable coater.

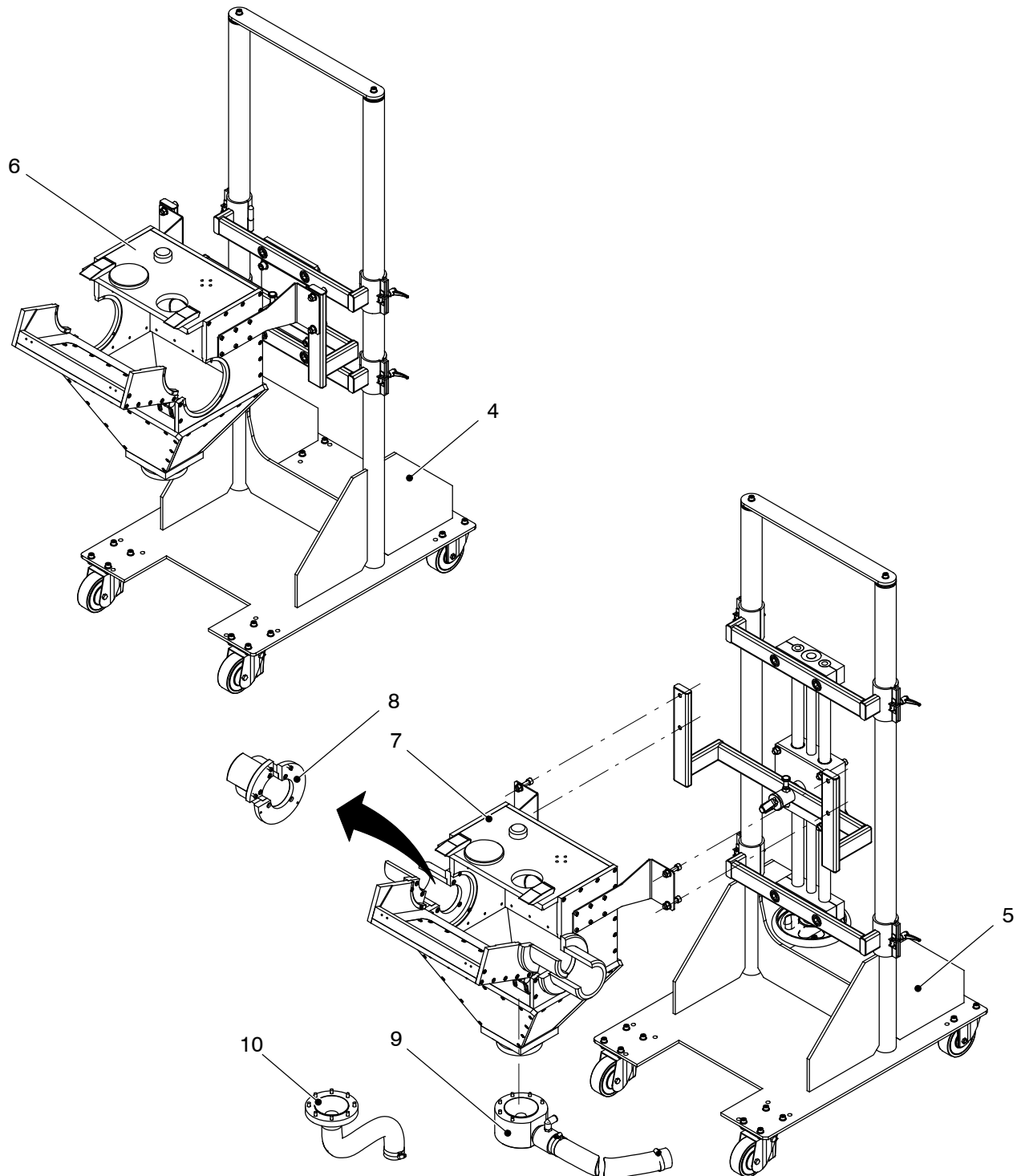


Fig. 30

Item	Part	Description	Quantity	Note	Box	Code
-	7141755	Remote spray chamber & trolley w/ clamp lever	1			
4	7137542	• Trolley w/ clamp lever	1			
	203446	• • Kit-INS Casters, compl.	1			
6	7137483	• Spray chamber	1			
3	7141720	• • Spray chamber w/ safety switch	1	A		
1	7141758	• KIT Cover <i>Powder hose connection</i>	1			
-	7141754	Remote spray chamber & trolley w/ handwheel	1			
5	7128502	• Trolley w/ handwheel (vertical adjustment by handwheel)	1			
	203446	• • Kit-INS Casters, compl.	1			
6	7137483	• Spray chamber	1			
3	7141720	• • Spray chamber w/ safety switch	1	A		
1	7141758	• KIT Cover <i>Powder hose connection</i>	1			
-	-	Remote spray chamber w/ KIT 90 deg.	-			
1	7141758	• KIT Cover <i>Powder hose connection</i>	1			
7	7132818	• Spray chamber w/ inlet/outlet assembly	1			
6	7137483	• • Spray chamber	1			
3	7141720	• • • Spray chamber w/ safety switch	1			
8	7137494	• • Inlet/outlet assembly D80	2	page 42		
	-----	• • • Adapter 3/4	2			
	-----	• • • Adapter 1/4	2			
	-----	• • • Connecting branch 3/4	2			
	-----	• • • Connecting branch 1/4	2			
9	7148377	• KIT 90deg. w/o recirculation pump	1			
	7148378	• • Flange 90 deg	1			
	789497	• • Hose, dia 40mm PU clear	6m			
9	7144236	• KIT 90deg. w/ recirculation pump	1	page 44		
10	7132859	• KIT 180deg.w/o recirculation pump	1			
	7130048	• • Flange	1			
	789497	• • Hose, dia 40mm PU clear	6m			
NOTE A: Inlet/outlet assembly to be ordered separately. Refer to <i>Inlet/Outlet Assembly</i> .						

Spray Chamber

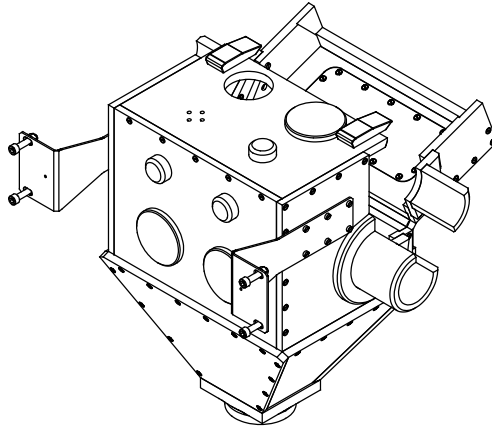


Fig. 31

Item	Part	Description	Quantity	Note	Box	Code
-	7132818	Spray chamber, compl.	1			

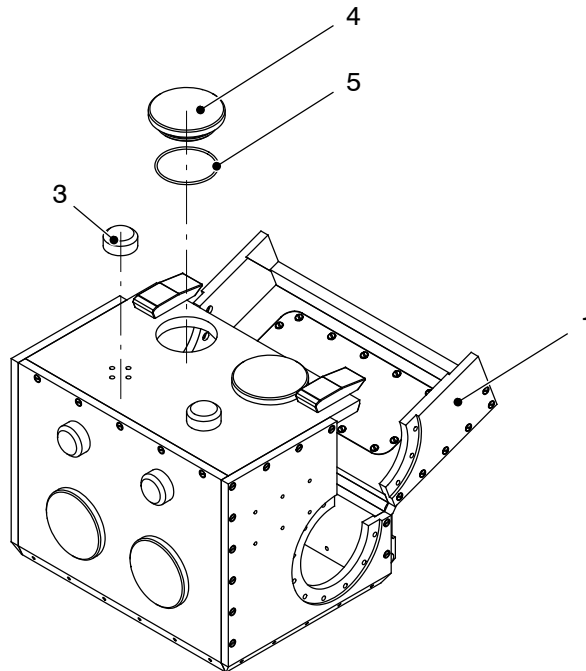


Fig. 32

Item	Part	Description	Quantity	Note	Box	Code
1	7141720	Spray chamber	1			
3	398165	• Cover, spray chamber compl.	3			
4	398164	• Locking cover, spray chamber compl.	3			
5	424065	• • O-ring 75x2,5 Viton				
-	7137253	• Kit-SVC safety switch / spraychamber	1			

Remote Spray Chamber - Screen Cloth

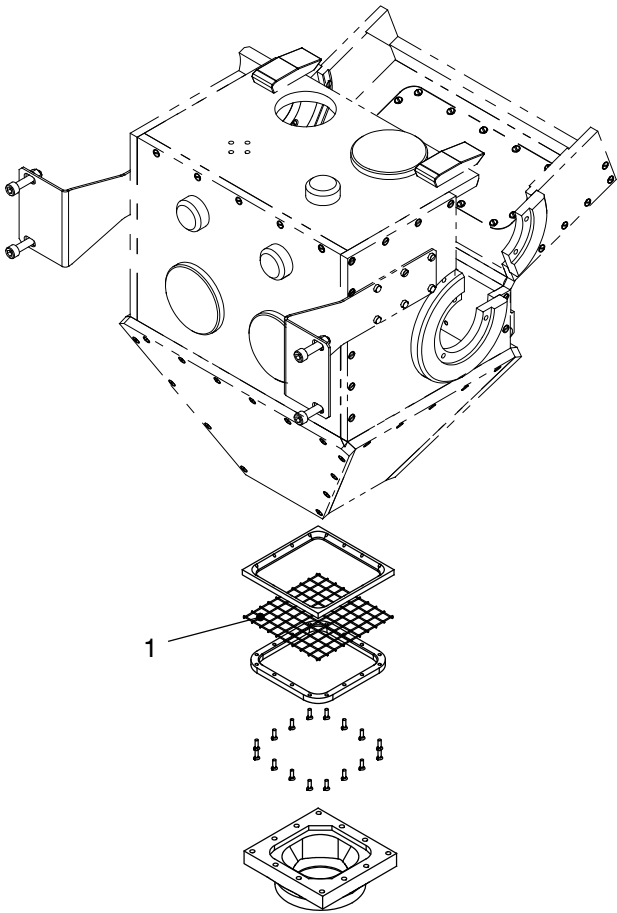


Fig. 33

Item	Part	Description	Quantity	Note	Box	Code
-	7137483	Spray chamber	1			
1	7130034	• Screen cloth	1			

Inlet/Outlet Assembly

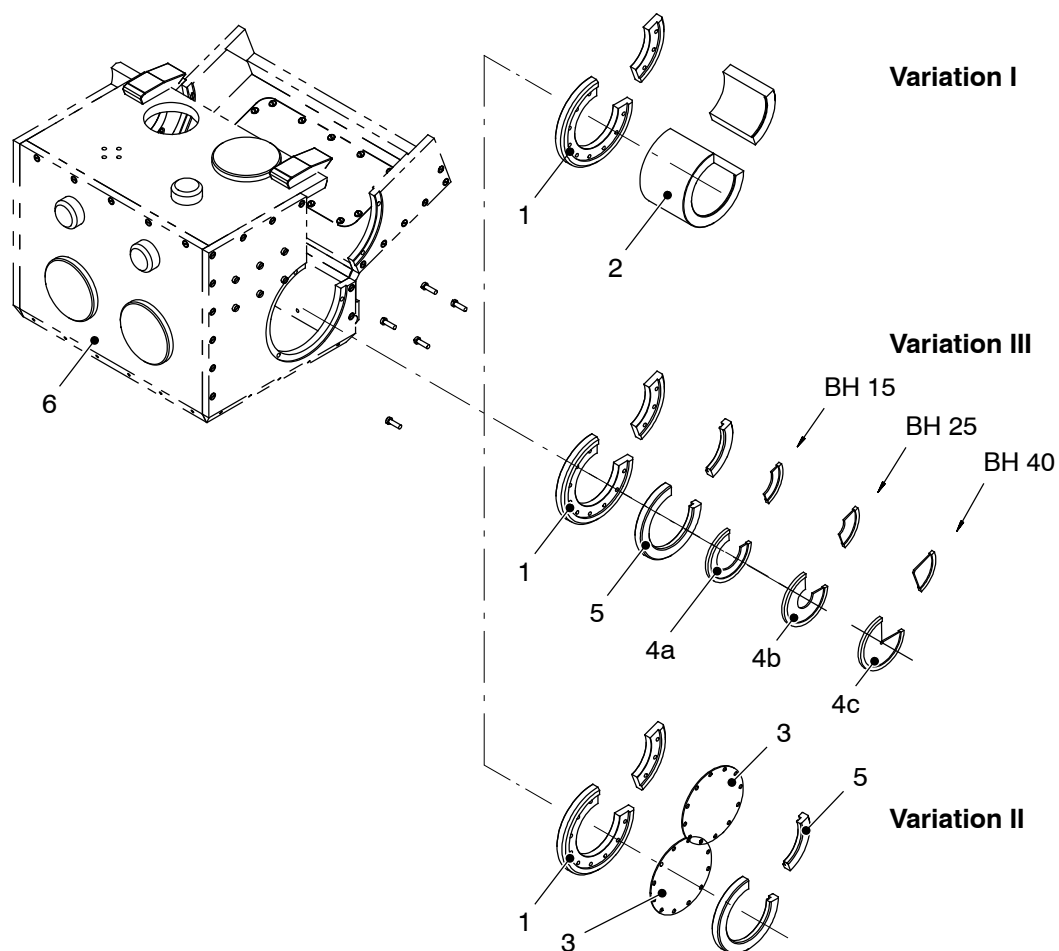


Fig. 34 Spray chamber ECC700/701

Item	Part	Description	Quantity	Note	Box	Code
6	7141720	Spray chamber w/ safety switch	1			
Variation I - Size Ø80 mm (D80)						
1	7130186	Adapter 3/4	2			
	7130205	Adapter 1/4	2			
2	7130192	Connecting branch 3/4	2			
	7130208	Connecting branch 1/4	2			
Variation I - Size Ø100 mm (D100)						
1	7130185	Adapter 3/4	2			
	7130204	Adapter 1/4	2			
2	7130191	Connecting branch 3/4	2			
	7130207	Connecting branch 1/4	2			
Variation I - Size Ø125 mm (D125)						
2	7130190	Connecting branch 3/4	2			
	7130206	Connecting branch 1/4	2			

Continued...

Item	Part	Description	Quantity	Note	Box	Code
Variation II - Size Ø80 mm (D80)						
1	7130186	Adapter 3/4	2			
	7130205	Adapter 1/4	2			
3	7130189	Rubber lid	4			
5	7130184	Clamp ring 3/4	2			
	7130203	Clamp ring 1/4	2			
Variation II - Size Ø100 mm (D100)						
1	7130185	Adapter 3/4	2			
	7130204	Adapter 1/4	2			
3	7130188	Rubber lid	4			
5	7130183	Clamp ring 3/4	2			
	7130201	Clamp ring 1/4	2			
Variation II - Size Ø125 mm (D125)						
3	7130187	Rubber lid	4			
5	7130182	Clamp ring 3/4	2			
	7130200	Clamp ring 1/4	2			
Variation III - Size ~ Ø80 mm - depending on brush type						
1	7130186	Adapter 3/4	2			
	7130205	Adapter 1/4	2			
4a	7130195	Brush BH 15	AR			
4b	7130194	Brush BH 25	AR			
4c	7130193	Brush BH 40	AR			
5	7130184	Clamp ring 3/4	2			
	7130203	Clamp ring 1/4	2			
Variation III - Size ~ Ø100 mm - depending on brush type						
1	7130185	Adapter 3/4	2			
	7130204	Adapter 1/4	2			
4a	7130195	Brush BH 15	AR			
4b	7130194	Brush BH 25	AR			
4c	7130193	Brush BH 40	AR			
5	7130183	Clamp ring 3/4	2			
	7130201	Clamp ring 1/4	2			
Variation III - Size ~ Ø125 mm - depending on brush type						
4a	7130195	Brush BH 15	AR			
4b	7130194	Brush BH 25	AR			
4c	7130193	Brush BH 40	AR			
5	7130182	Clamp ring 3/4	2			
	7130200	Clamp ring 1/4	2			

KIT 90 deg. w/ Recirculation Pump

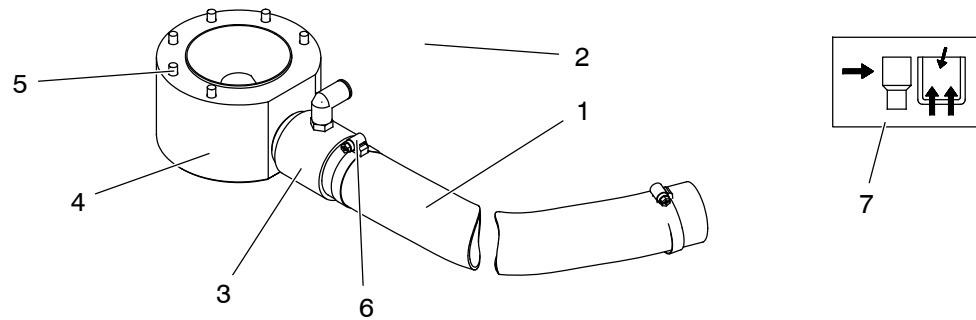


Fig. 35

Item	Part	Description	Quantity	Note	Box	Code
-	7144236	KIT 90deg. w/ recirculation pump	1			
1	789497	• Hose, dia 40mm PU clear	6m			
2	788669	• Air hose D6,0 d4,0 PUR blue	6m			
3	634740	• Ejector, RET 40mm (recirc. pump)	1			
4	-----	• Flange 90 deg	1			
5	7130051	• Pan head screw M6x20 PA	6			
6	-----	• Hose clamp	1			
7	7141621	• Sign Air pressure regulator "Recirculation pump"	1			
-	-----	• Fitting -W-D06-R1/8-TURN - replaces fitting D08 that comes with ejector	1			
-	-----	• Fitting -G-D06-D06-BHD	1			

Powder Recirculation Pump

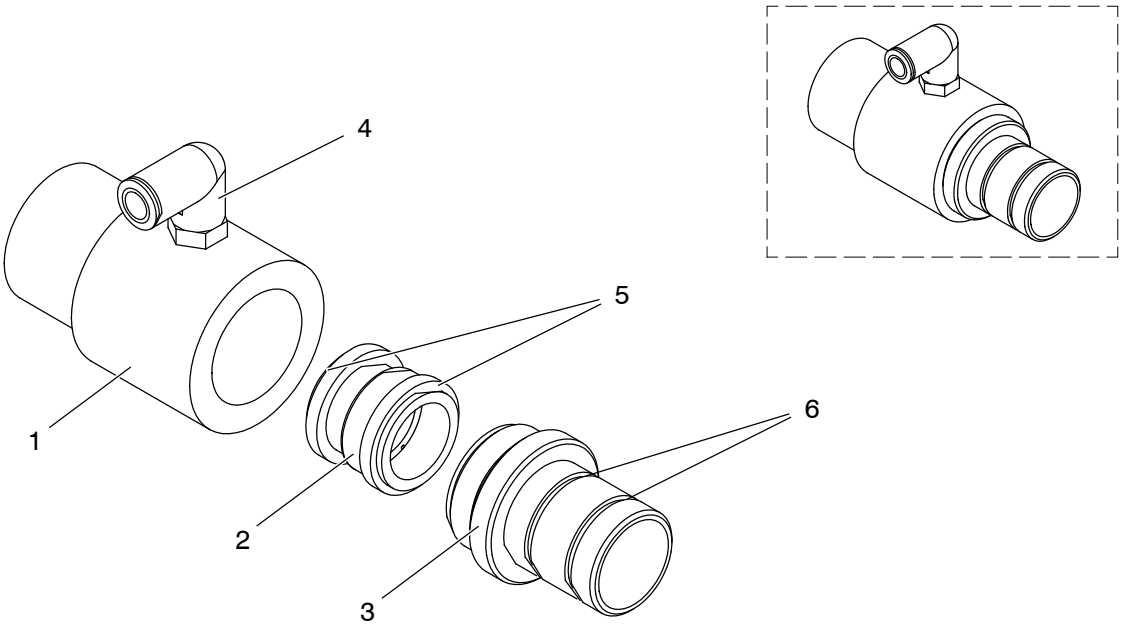


Fig. 36

Item	Part	Description	Quantity	Note	Box	Code
-	634740	Ejector, RET 40mm	1			
1	-----	• Housing pump	1			
2	-----	• Spacer	1			
3	-----	• Connector	1			
4	-----	• Fitting -W-D08-R1/8-TURN	1			
5	311511	• O-ring 28,24x2,62	2			
6	783326	• O-ring 25x2 Viton	2			

Cable Cleaning Exhaust

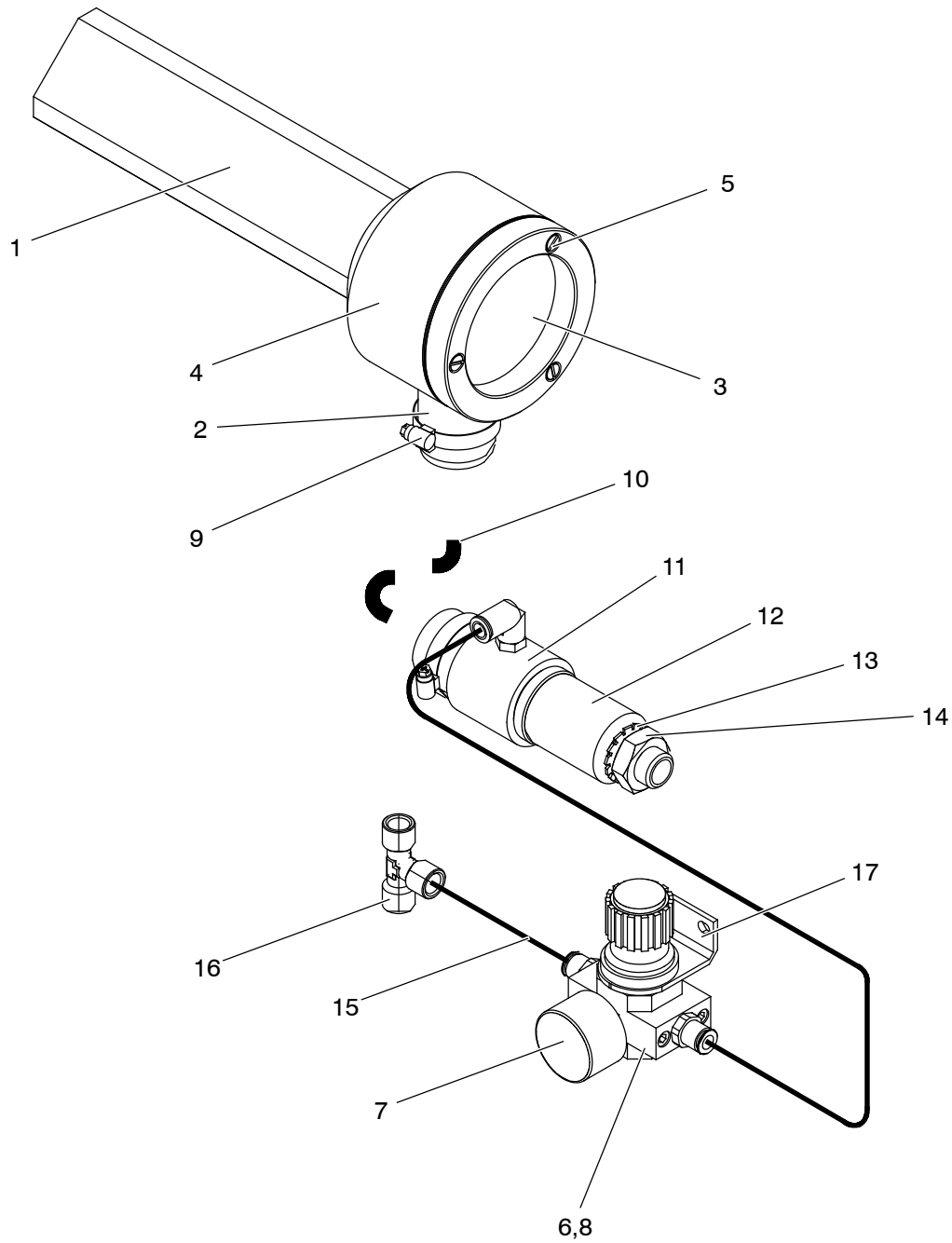


Fig. 37

Item	Part	Description	Quantity	Note	Box	Code
-	7130056	Cable cleaning exhaust 40 mm compl.	1			
1	-----	• Suction pipe	1			
2	-----	• Suction tube	1			
3	-----	• Rubber cover	1			
4	-----	• Flange	1			
5	7130051	• Pan head screw M6x20 PA	3			
6	412011	• Pressure control valve 0,5-7bar G1/8	1			
7	7140599	• Pressure gauge 0-6bar G1/8-back D40	1			
8	410878	• Fitting-G-D08-R1/8- 0000	2			
9	289710	• Hose clamp D32-50 DIN3017	2			
10	789497	• Hose, dia 40mm PU clear	6 m			
11	634740	• Ejector, RET 40mm	1			
-	311511	• • O-ring 28,24x2,62	2			
-	783326	• • O-ring 25x2 Viton	2			
12	-----	• Hopper pump adapter	1			
13	-----	• Lock washer DIN6797 A 21 A2	1			
14	-----	• Hexagon nut M20x1,5 DIN439 B	1			
15	289009	• Air hose D8,0 d5,7 PUR silver	2 m			
16	784883	• Fitting -T-D08-D08- CONN	1			

Item	Part	Description	Quantity	Note	Box	Code
-	7130309	Cable cleaning exhaust 100 mm compl.	1			
1	-----	• Suction pipe	1			
2	-----	• Suction tube	1			
3	-----	• Rubber cover D100	1			
4	-----	• Flange	1			
5	7130051	• Pan head screw M6x20 PA	6			
6	412011	• Pressure control valve 0,5-7bar G1/8	1			
7	7140599	• Pressure gauge 0-6bar G1/8-back D40	1			
8	410878	• Fitting-G-D08-R1/8- 0000	2			
9	289710	• Hose clamp D32-50 DIN3017	2			
10	789497	• Hose, dia 40mm PU clear	6 m			
11	634740	• Ejector, RET 40mm	1			
-	311511	• • O-ring 28,24x2,62	2			
-	783326	• • O-ring 25x2 Viton	2			
12	-----	• Hopper pump adapter	1			
13	-----	• Lock washer DIN6797 A 21 A2	1			
14	-----	• Hexagon nut M20x1,5 DIN934	1			
15	289009	• Air hose D8,0 d5,7 PUR silver	2 m			
16	784883	• Fitting -T-D08-D08- CONN	1			
17	-----	• Mounting bracket	1			

