

Electrostatic Cable Coater ECC 701

Preliminary Parts List P/N 7135883_06
- English -

Issued 08/16



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

#: Engineered

Component Designation

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

NOTE: The green-yellow electrostatic ground lines will be replaced in the future with ESD braided ribbon cables. With new systems, the ESD lines are gathered together in a star shape on the front of the coater.

Ground conductors that provide protective ground are still green-yellow.



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Product Configuration

Configuration Code - Obsolete

Box	Code	Components / parts
1-6	ECC701	Series & model
7	-	Standard configuration
	E	Engineered
		Options
8+9	CE	Ceramic
	VE	Versa-Spray
	# SC	Sure Coat (engineered)
	# TR	Tribomatic (engineered)
10+11	1N	1 spray gun, negative charge
	2N	2 spray guns, negative charge
	1P	1 spray gun, positive charge
	2P	2 spray guns, positive charge
	# 01	1 spray gun <i>Tribomatic</i> (engineered)
	# 02	2 spray guns <i>Tribomatic</i> (engineered)
12	A	400 V _{AC} , 3 Ph, Wye
	B	230 V _{AC} , 3 Ph, Delta
	C	400 V _{AC} , 3 Ph, Delta
	D	230 V _{AC} , 1 Ph
13	P	1 PFM (Powder Flow Monitoring) per gun
14	H	Remote spray chamber & trolley w/ handwheel
	R	Attached spray chamber
	W	W/o spray chamber - <i>customer provides the spray chamber -</i>
	L	Remote spray chamber w/ KIT 90 deg.
	M	Remote spray chamber & trolley w/ clamp lever
15	C	Ceramic powder pump* <i>* Standard flow pump: Used with most general powder coating applications</i>
	N	Low & medium flow powder pump - <i>until 11/2008</i>
	# T	Tribomatic powder pump (engineered)
16	X	Reserved

Configuration Code - Beginning 2016

 Nordson Engineering GmbH D 21337 Lüneburg – Germany Made in Germany 	Code	ECC701-VE2PCPRNX				
	P/N		U		V	
	Ser.		I	A	f	Hz
		P		P _{max}		

The configuration code is on the ID plate. 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.

Box	Code	Components / parts
1-6	ECC701	Series & model
7	-	Standard configuration
		Options
8+9	VE	Versa-Spray Gun
	CE	Ceramic Spray Gun
	##	Sure Coat Gun
	##	Tribomatic Gun
10+11	1N	1 spray gun, negative charge
	xN	x spray guns, negative charge (x= no of spray guns in total; 2nd Vantage controller and 1000 l/min-dryer if more than two guns)
	xP	x spray gun(s), positive charge (x= no of spray guns in total; 2nd Vantage controller and 1000 l/min-dryer if more than two guns)
12	A	400 V _{AC} , 3 Ph, Wye
	B	230 V _{AC} , 3 Ph, Delta
	C	400 V _{AC} , 3 Ph, Delta
	D	230 V _{AC} , 1 Ph (Standard)
13	P	1 PFM "Powder Flow Monitoring" per gun (Standard)
	X	None
14	H	Remote spray chamber & trolley w/ handwheel
	R	Attached spray chamber
	W	W/o spray chamber - customer provides the spray chamber - ECC prepared for one return hose
	#	W/o spray chamber - customer provides the spray chamber - ECC prepared for two return hoses
15	C	Ceramic powder pump* * Standard flow pump: Used with most general powder coating applications. Separate throat for "low flow" comes with pump
16+17	XX	No Key-To-Line function, no spray chamber
	KC	Key-To-Line function, with spray chamber
	KX	Key-To-Line function, no spray chamber
	XC	No Key-To-Line function, with spray chamber

Contd.

		Spray chamber 1
18	1	1 spray gun
	2	2 spray guns
	3	3 spray guns
	4	4 spray guns
	0	No spray chamber
19	S	Cable diameter IN: 80 mm
	M	Cable diameter IN: 100 mm
	L	Cable diameter IN: 125 mm
	R	Rubber inlet plain
	W	Variabel IN Iris style, max. 180 mm
	V	Variabel IN Iris style, max. 125 mm
20	S	Cable diameter OUT: 80 mm
	M	Cable diameter OUT: 100 mm
	L	Cable diameter OUT: 125 mm
	R	Rubber inlet plain
	W	Variabel OUT Iris style, max. 180 mm
	V	Variabel OUT Iris style, max. 125 mm
21	1	Straight
	2	Connection 90°
	3	Connection 90° + pump
	R	Attached spray chamber
		Spray chamber 2
22	1	1 spray gun
	2	2 spray guns
	3	3 spray guns
	4	4 spray guns
	0	No spray chamber
23	S	Cable diameter IN: 80 mm
	M	Cable diameter IN: 100 mm
	L	Cable diameter IN: 125 mm
	R	Rubber inlet plain
	W	Variabel IN Iris style, max. 180 mm
	V	Variabel IN Iris style, max. 125 mm
24	S	Cable diameter OUT: 80 mm
	M	Cable diameter OUT: 100 mm
	L	Cable diameter OUT: 125 mm
	R	Rubber inlet plain
	W	Variabel OUT Iris style, max. 180 mm
	V	Variabel OUT Iris style, max. 125 mm
25	1	Straight
	2	Connection 90°
	3	Connection 90° + pump
	X	-

Assembly Overview

Beginning on next page ...

Cable Coater, Complete

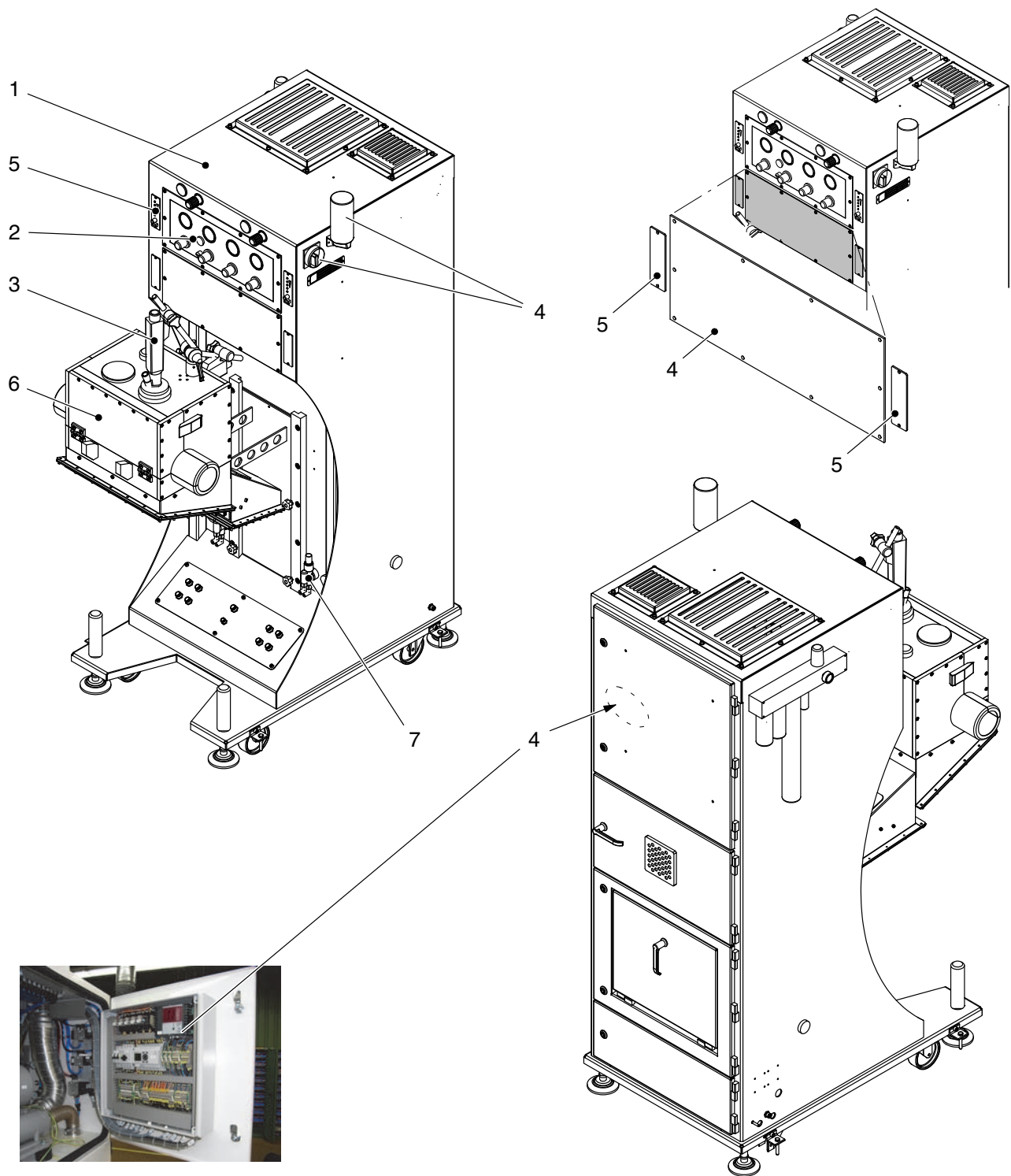


Fig. 1

Item	Part	Description	Quantity	Note	Box	Code
1	-----	Basic assembly w/o side channel blower	1			
2	1043820	Vantage dual-gun controller	1,2			
3	7137258	KIT Versa-Spray ceramic negative	1		8-11	CE1N
	7137259	KIT Versa-Spray negative	1		8-11	VE1N
	7137260	KIT Versa-Spray positive	1		8-11	VE1P
	7132579	KIT Sure Coat negative	1	#	8-11	SC1N
4	7114843	KIT El. cabinet 400 V _{AC} , 3 Ph, WYE	1		12	A
	789630	Side channel blower	1			
	7114621	Cover Vantage controller	1			
	7114885	KIT El. cabinet 230 V _{AC} , 3 Ph, Delta	1		12	B
	789630	Side channel blower	1			
	7114621	Cover Vantage controller	1			
	7114860	KIT El. cabinet 400 V _{AC} , 3 Ph, Delta	1		12	C
	789630	Side channel blower	1			
	7153123	KIT Transformer	1	Fig.39		
	7114847	KIT El. cabinet 230 V _{AC} , 1 Ph	1		12	D
	7114851	Side channel blower	1			
	7114621	Cover Vantage controller	1			
5	630246	• Light tower w/ audible warning	1			
	633546	• • Alarm lamp, excl, connection	1			
	7114898	KIT PFM (Powder Flow Monitoring)	1	Fig.43	13	P
	398276	• Inline-current controller (sensor)	1			
	398277	• Connection cable (sensor to monitoring)	1			
6	7114430	• Flow rate monitoring <i>Min</i>	1			
	7114623	Cover PFM	AR		13	X,P
6	-----	Spray chamber (attached or w/ trolley)	1		14	R,H
7	7137252	KIT Powder pump ceramic "standard flow"	1		15	C
	7137097	KIT Powder pump low & medium flow (see Fig. 28)	1	until 11/2008	15	N
NOTE: For electrical components and component designation refer to wiring diagram						

Tribomatic

Item	Part	Description	Quantity	Note	Box	Code
3	7141757	KIT Tribomatic gun	1 (2)	#	8-11	TR01
6	-----	Spray chamber	0,1	#		
7	7137322	KIT Powder pump Tribomatic	1 (2)	#	15	T

Basic Assembly

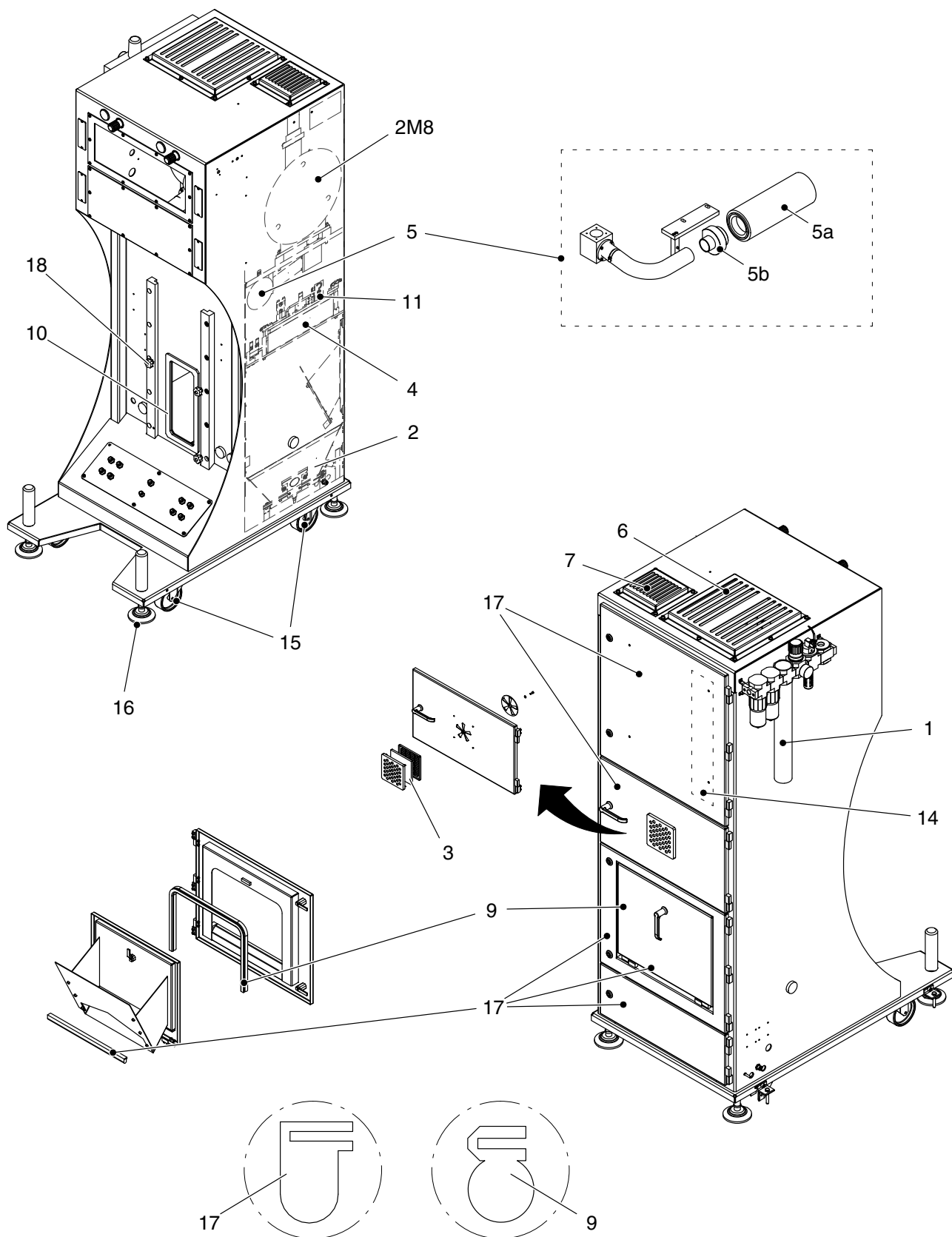


Fig. 2

Item	Part	Description	Quantity	Note	Box	Code
-	-----	Basic assembly w/o side channel blower	1			
1	7137319	• KIT Diaphragm dryer 500 l/min	1	-17Y8		
	464522	• • Solenoid valve HEE-D-MAXI-24	1			
	7148317	• • Micro filter LFMB-D-MAXI	1			
	7148318	• • Submicro filter LFMA-D-MAXI	1			
	7148316	• • Diaphragm dryer -500	1			
	7148315	• • Pressure regulator	1			
	7114715	• • Cable	1			
	7504101	• • Silencer	1			
	445880	• • Manifold	1			
	7144568	• KIT Diaphragm dryer 1000 l/min	1			
2	-----	• Hopper, compl.	1	Fig.5		
3	464644	• Filter mat	1			
4	7178530	• Filter (w/ clamping)	1	A		
	7198475	• • Kit filter and seals	2			
5	398445	• Fine filter, compl	1			
5a	398483	• • Fine pre-filter ECC700 F20 - <i>order 7144381 for replacement</i>	1			
5b	398480	• • Flange	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+b	-----	• Cover filter cpl. SPV	-	Fig.3		
14	398287	• Solenoid valve 3/2-way <i>Refill hopper</i>	1	-17Y1		
	398286	• Solenoid valve 5/2-way <i>Pneumatic cylinder "Beater"</i>	1	-17Y2		
	398286		1	-17Y5		
	398286	• Solenoid valve 5/2-way <i>Pneumatic cylinder "Blocking flap"</i>	1	-17Y3		
	398286		1	-17Y6		
	7114388	• Solenoid valve 3/2-way <i>Nozzle</i>	1	-17Y4		
	7114388		1	-17Y7		
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			
-2M8	-----	Side channel blower, compl.	1	Fig.6		
NOTE A: For "star grip version" see <i>Filter Cleaning Parts (Star Grips)</i> - OLD at the end of this document						

Item	Part	Description	Quantity	Note	Box	Code
1	7137321	Kit-INST pneumatic,complete ECC701	1			
	7137319	• Kit-INST diaphragm dryer 500 l/min	1			
	7137320	• Kit-INST air valve terminal MPA ECC701	1			

Filter Cleaning Parts

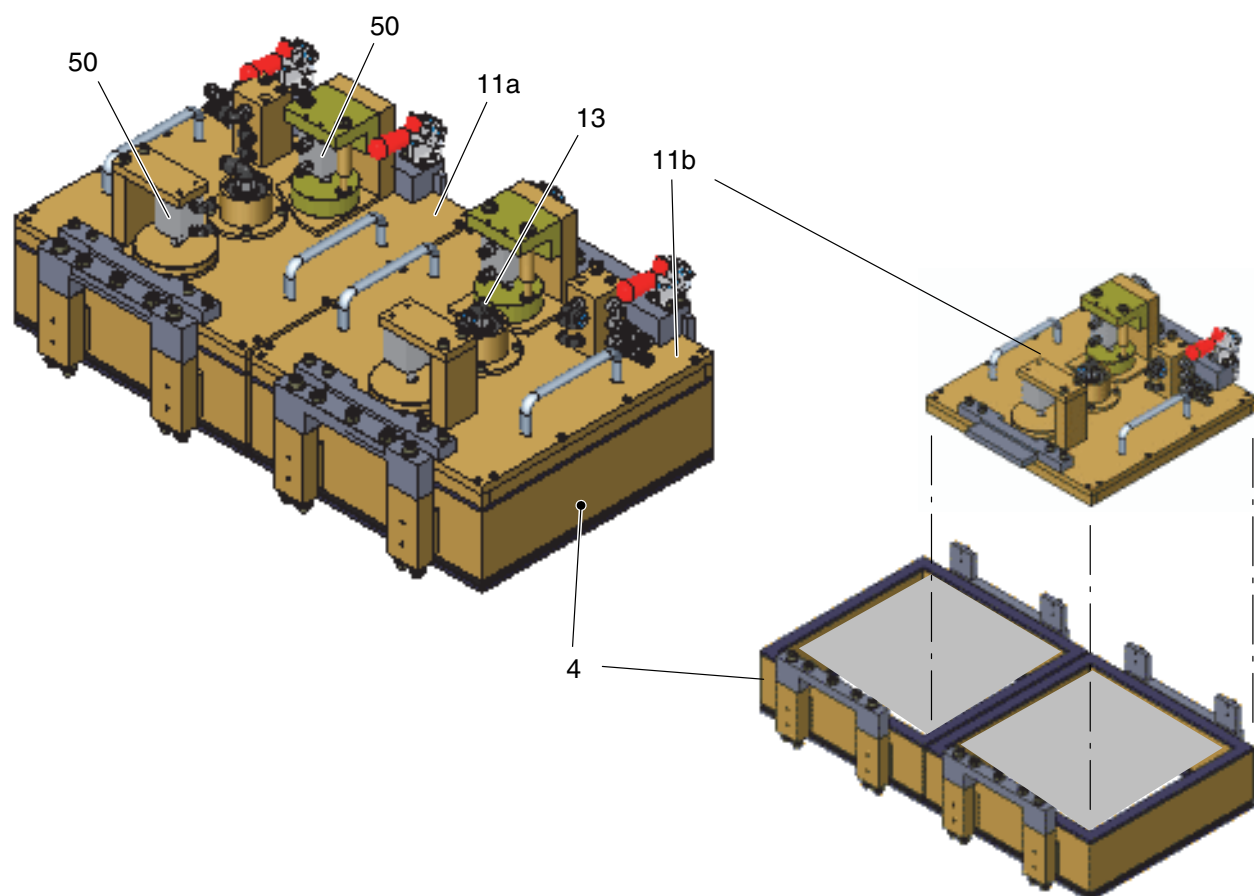


Fig. 3

Item	Part	Description	Quantity	Note	Box	Code
4	7178530	• Filter (w/ clamping)	1			
	7198475	• • Kit filter and seals	2			
11a	7178532	• Cover filter right cpl. SPV	1			
11b	7178528	• Cover filter left cpl. SPV	1			
	398447	• • Lamellar cleaning compl	1	Fig. 46		
13	398519	• • • Grooved ball bearing	2			
	-	• • Cleaning parts vertical	1			
50	7565312	• • • Pneumatic cylinder	1			
50	7565312	• • Pneumatic cylinder	1			

Main Filter Cassette Seals

Item	Part	Description	Quantity	Note	Box	Code
-	7153690	KIT Seals (& instruction sheet)	1	4, Fig.3		
-	-----	• Seal, 5 mm (for air intake AND clean air side)	4			

Air Pressure Regulators Hopper & Attached Spray Chamber Fluidization & Signs - Outside -

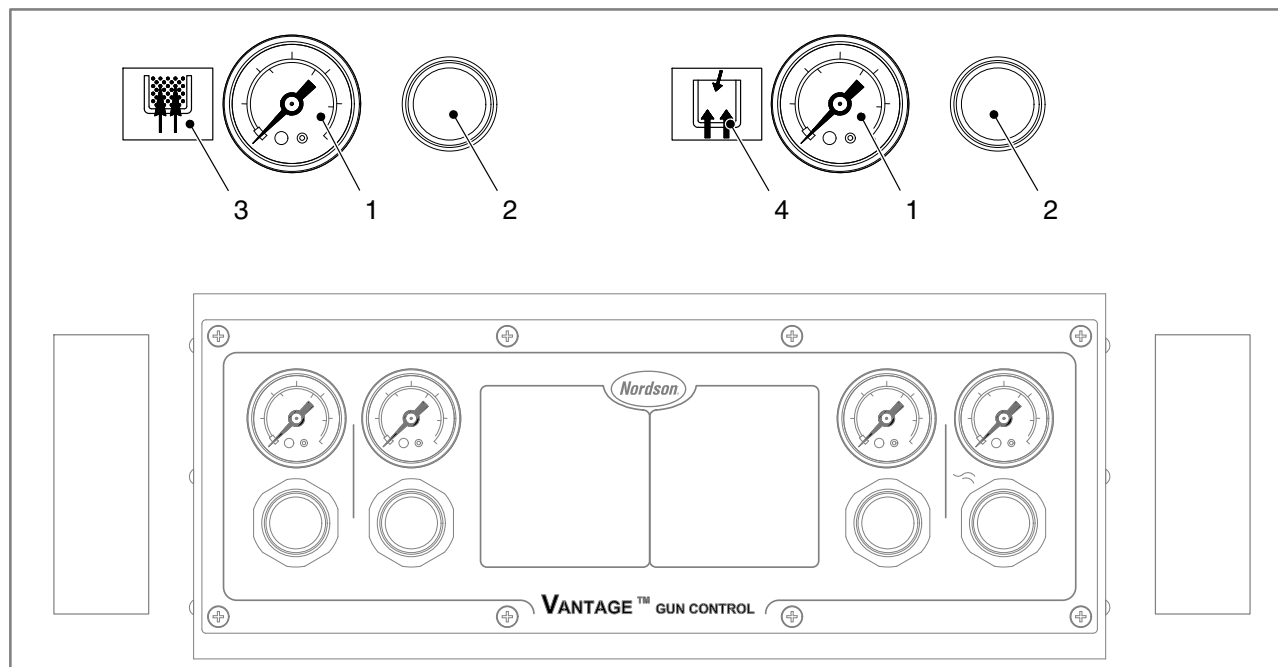


Fig. 4 ECC front

Item	Part	Description	Quantity	Note	Box	Code
1	428255	• Pressure control valve 0,5-7bar G1/4	2			
2	416747	• Pressure gauge 0-10bar G1/4	2			
3	7141620	• Sign Air pressure regulator "Hopper"	1			
4	7141619	• Sign Air pressure regulator "Attached Spray Chamber Fluidization"	1		14	R
NOTE: For Vantage controller parts refer to <i>Vantage Dual-Gun Controller</i>						

Air Pressure Regulators Vantage Controller and Filter Cleaning - Inside -

Item	Part	Description	Quantity	Note	Box	Code
-	7120028	Pressure control valve 0,5-7bar G1/4 <i>Vantage controller</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			

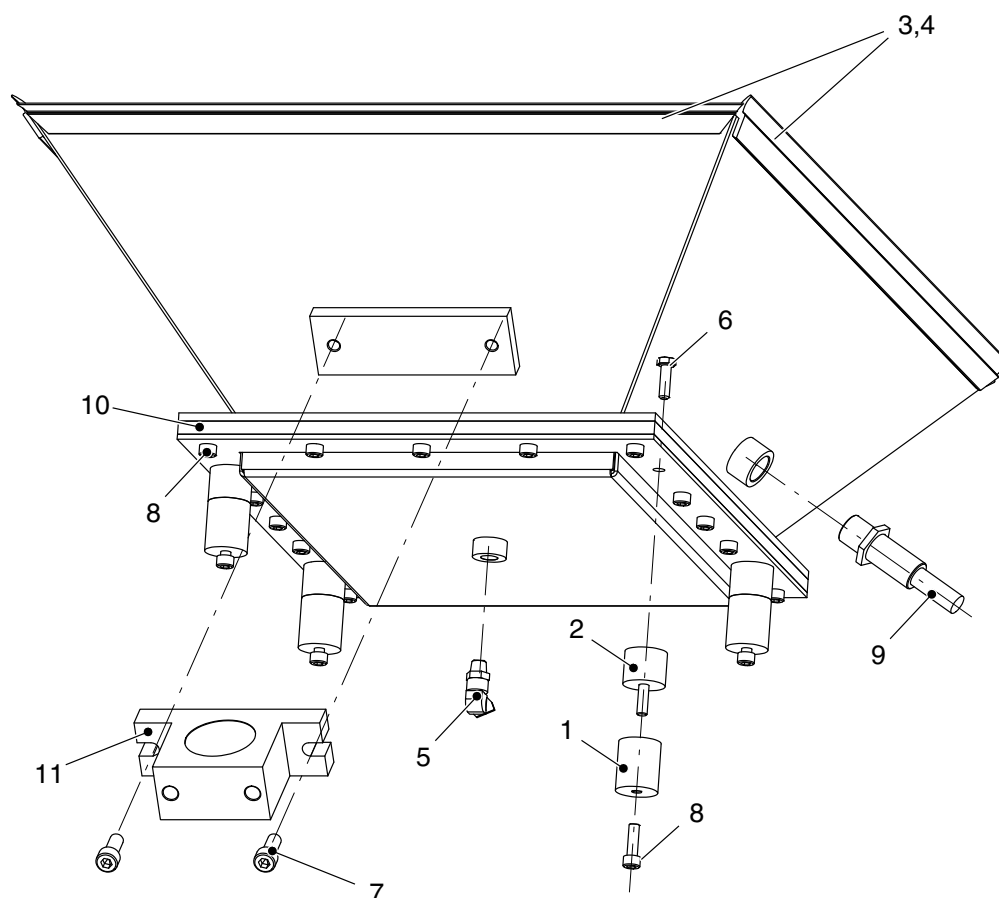
Hopper, complete

Fig. 5

Item	Part	Description	Quantity	Note	Box	Code
1	398046	Buffer D25xH20	4			
2	398045	Spacer	4			
3,4	398060	Gista profile	AR			
5	400192	Plug-type thread-in ftg.-W-D06-R1/8-TURN	1			
NS	788669	Air hose D6,0 d4,0 PUR blue	AR			
6	264523	Allan head cap screw M6x20 DIN912 SST	4			
7	250032	Allan head cap screw M8x25 DIN912 SST	2			
8	250027	Allan head cap screw M6x16 DIN912 A2-70	20			
9	398056	Level sensor, hopper - <i>replaced by</i>	-	3 LED		
	7114427	Level sensor capacitive, hopper	1	1 LED		
10	398051	Fluid plate, hopper	1			
11	398058	Vibrator, hopper	1			

Item	Part	Description	Quantity	Note	Box	Code
-	7163808	Kit-SVC Hopper, compl. * * Hoses to be ordered seperately	1			
-	-	• Cartridge+sealent+instructions				

Side Channel Blower

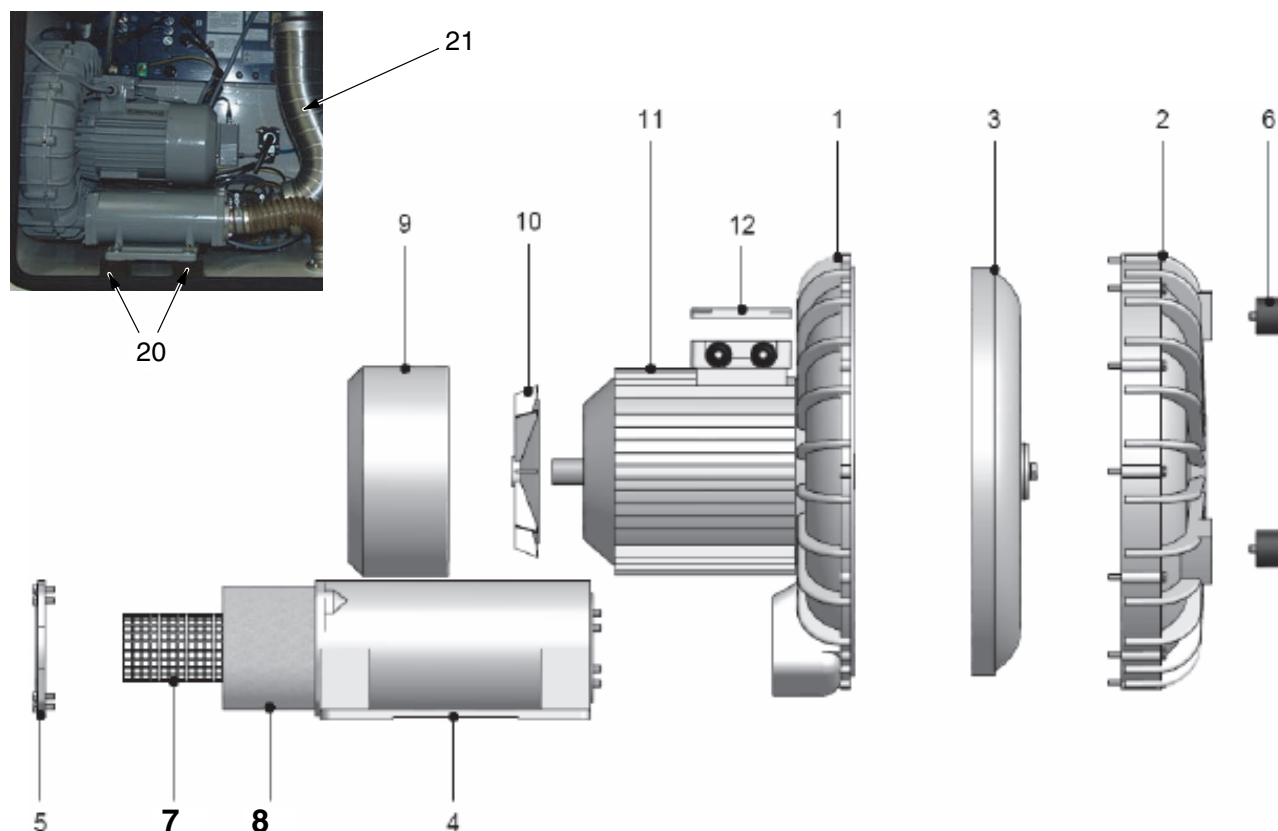
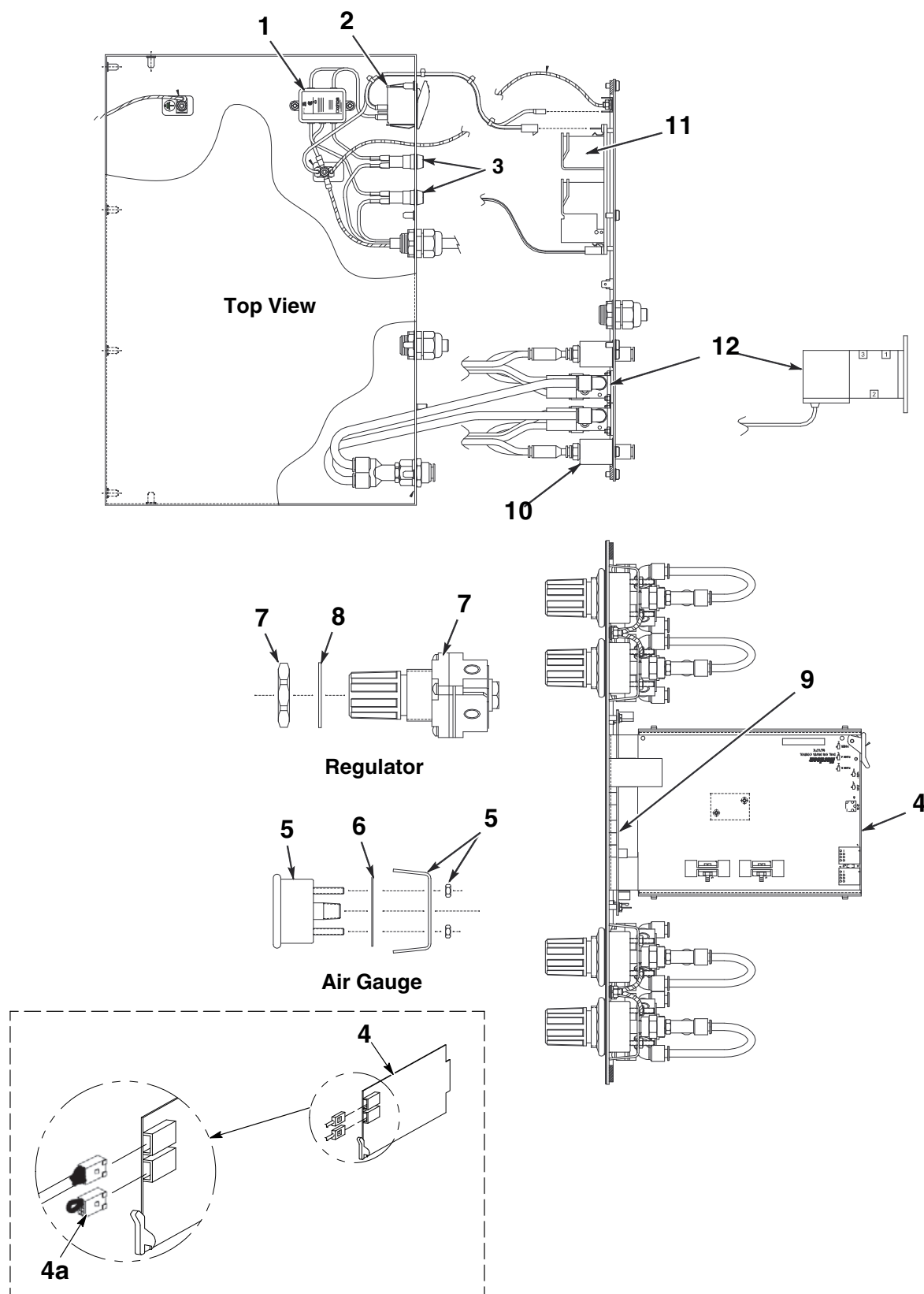


Fig. 6 Side channel blower (from the manufacturer's manual)

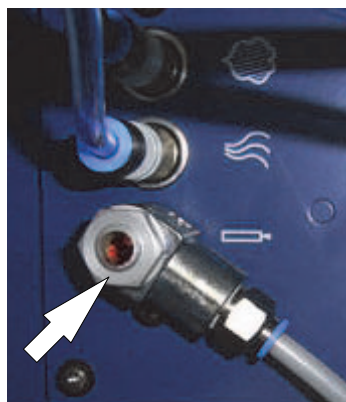
Item	Part	Description	Quantity	Note	Box	Code
-	789630	Side channel blower, compl.	1	Standard	12	A,B,C
-2M8	398209	• Side channel blower 190 m ³ /h	1			
-	789630	Side channel blower, compl.	1	Special	12	A,B,C
-2M8	7153479	• Side channel blower 110 m ³ /h	1	#		
-	7114851	Side channel blower, compl.	1	Standard	12	D
-2M8	7137471	• Side channel blower 190 m ³ /h	1			
-	7155269	Side channel blower, compl.	1	Special	12	D
-2M8	7155269	• Side channel blower 110 m ³ /h	1	#		
20	398210	• Buffer D50xH30	4		12	A-D
21	398494	• Silencer	1		12	A-D

Item	Part	Description	Quantity	Note	Box	Code
7+8	7153021	SERVICE KIT Silencer	1			

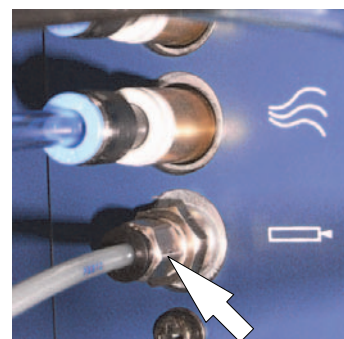
Vantage Dual-Gun Controller

Item	Part	Description	Quantity	Note	Box	Code
1	1043718	Filter, line, w/ connector				
2	322404	Switch, rocker, DPST, dust-tight				
3	1009090	Fuse, time delay, 215 series, 3.15 a				
4	1023877	PCA, dual gun driver				
4a	1095361	JUMPER,GUN ID,ODD NUMBER				
5	1043857	Air gauge, 0-100 psi, 0-7 bar, kpa, 1 1/2 in.				
6	1045838	Gasket, gauge, dia. 0.41 mm				
7	1045841	Regulator, 7-125 psi				
8	141603	Seal, panel, regulator				
9	1042142	PCA, Vantage interface				
10	1042060	Gasket, manifold, pneumatic output				
11	1043906	Power supply, 24, 5, 12 Vdc				
12	1043872	Valve 3 port, direct active, 24 volt, 1/8-in. RPT w/ conn.				
NS	1043723	Versa-Spray cable, 12 m				
NS	1054175	Versa-Spray cable, 16 m				
NS	1048653	Sure Coat cable, 12 m				
NS	1054176	Sure Coat cable, 16 m				
NS	1054613	Adapter, Tribomatic				
NS	1054615	Connector, Versa-Spray adapter		A		
NOTE A: Use this connector with older style Versa-Spray II cables.						

Information on Sure Coat Gun Operation



P/N 400193



P/N 288822

Fig. 8 Old and new throttle

Back of controller: The gun air is decreased with a throttle (P/N 288822) to approx. 3.0 bar.

NOTE: Until approx. November 2009 the throttle P/N 400193 was used temporarily. The Nordson factory setting is 0.3 bar.

Spray Gun Kits

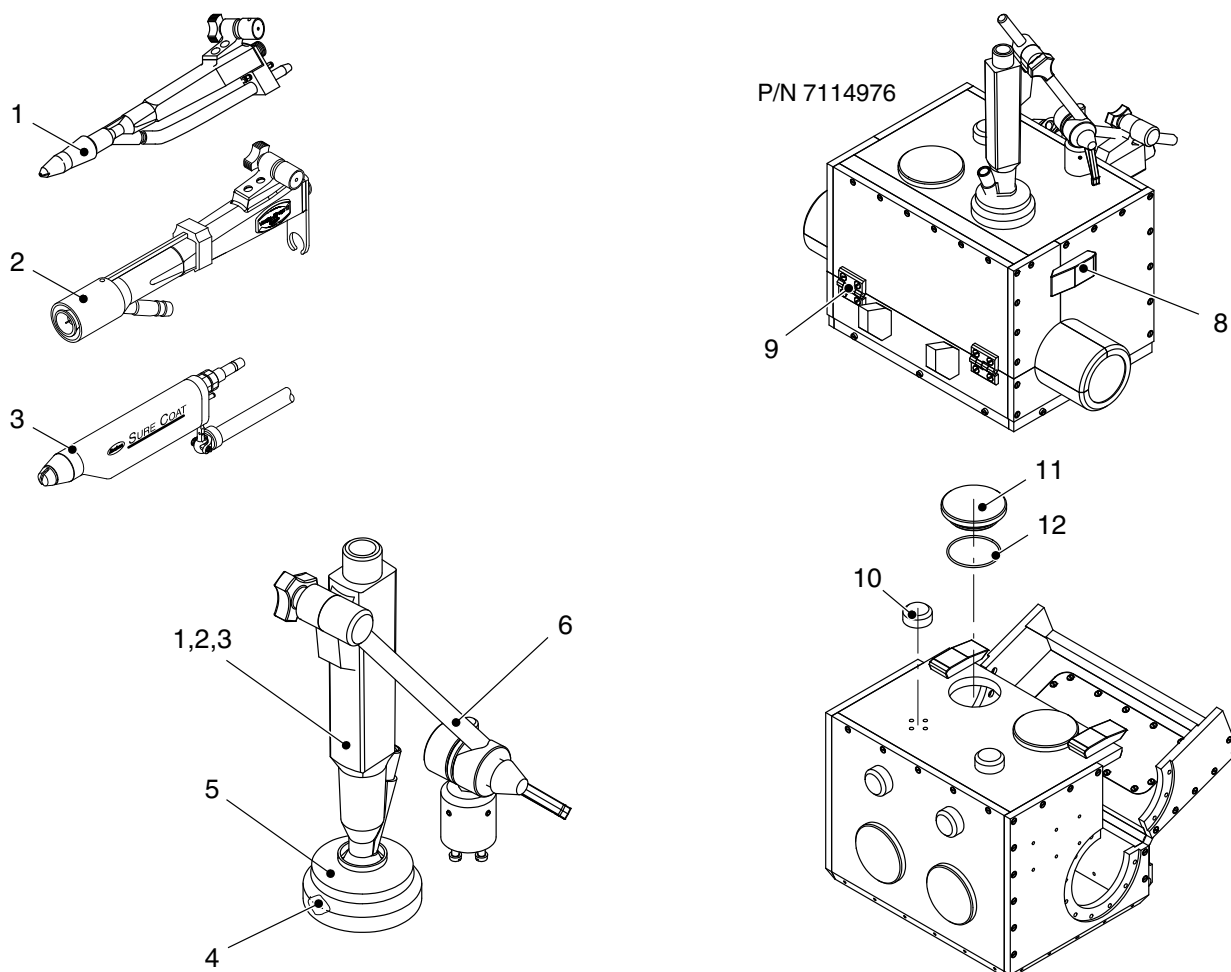


Fig. 9

Item	Part	Description	Quantity	Note	Box	Code
-	7158840	KIT ECC70x screws, hinge, locking jig (for spray chamber P/N 7114976)	1			
8	-----	• Locking jig	2			
9	-----	• 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			

Item	Part	Description	Quantity	Note	Box	Code
3	398165	Cover, spray chamber compl.	3			
4	398164	Locking cover, spray chamber compl.	3			
5	424065	• O-ring 75x2,5 Viton				

Versa-Spray

Item	Part	Description	Quantity	Note	Box	Code
-	7137259	KIT Versa Spray II negative	1		8+9	VE
1	173155	• Versa-Spray II auto gun, SHUR-LOK	1		11	N
-	1043723	• Cable, Versa-Spray, 12m, Vantage auto	1			
4	398150	• Distance ring d72,5 D92,5	1			
5	398151	• Packing	1			
6	398216	• Gun bracket, compl.	1			
-	7137260	KIT Versa Spray II positive ECC70x	1		8+9	VE
1	173156	• Versa-Spray II auto gun, positive SHUR-LOK	1		11	P
-	1043723	• Cable, Versa-Spray, 12m, Vantage auto	1			
4	398150	• Distance ring d72,5 D92,5	1			
5	398151	• Packing	1			
6	398216	• Gun bracket, compl.	1			

Versa-Spray - CERAMIC

Item	Part	Description	Quantity	Note	Box	Code
-	7137258	KIT Versa-Spray II ceramic negative	1		8+9	CE
2	224877	• Gun #AG-PENXSXFCD	1		11	N
-	1043723	• Cable, Versa-Spray, 12m, Vantage auto	1			
4	398150	• Distance ring d72,5 D92,5	1			
5	398151	• Packing	1			
6	398216	• Gun bracket, compl.	1			

Sure Coat

Item	Part	Description	Quantity	Note	Box	Code
-	7132579	KIT Sure Coat gun	1	#	8+9	SC
3	333751	• Bar mount gun, negative	1		11	N
-	1048653	• Cable, Sure Coat, 12m, Vantage auto	1			
4	398150	• Distance ring Di72,5 Da92,5	1			
5	398151	• Packing	1			
6	7114441	• Gun bracket Sure Coat, compl.	1			
-	317380	• Plug-type thread-in ftg.-G-D06-R1/4-0000	1			
-	418511	• Plug-type thread fitting -G-D06-D04-RDC	1			
-	289010	• Air-operated hose D6,0 d4,0 PUR silver	AR			
-	418496	• Air-operated hose D4,0 d2,8 PUR	AR			

Gun bracket for spray chamber size "S"

Item	Part	Description	Quantity	Note	Box	Code
6	7195252	Gun bracket ECC700 s compl.	1		8+9	VE,CE

Versa-Spray II Automatic Spray Gun

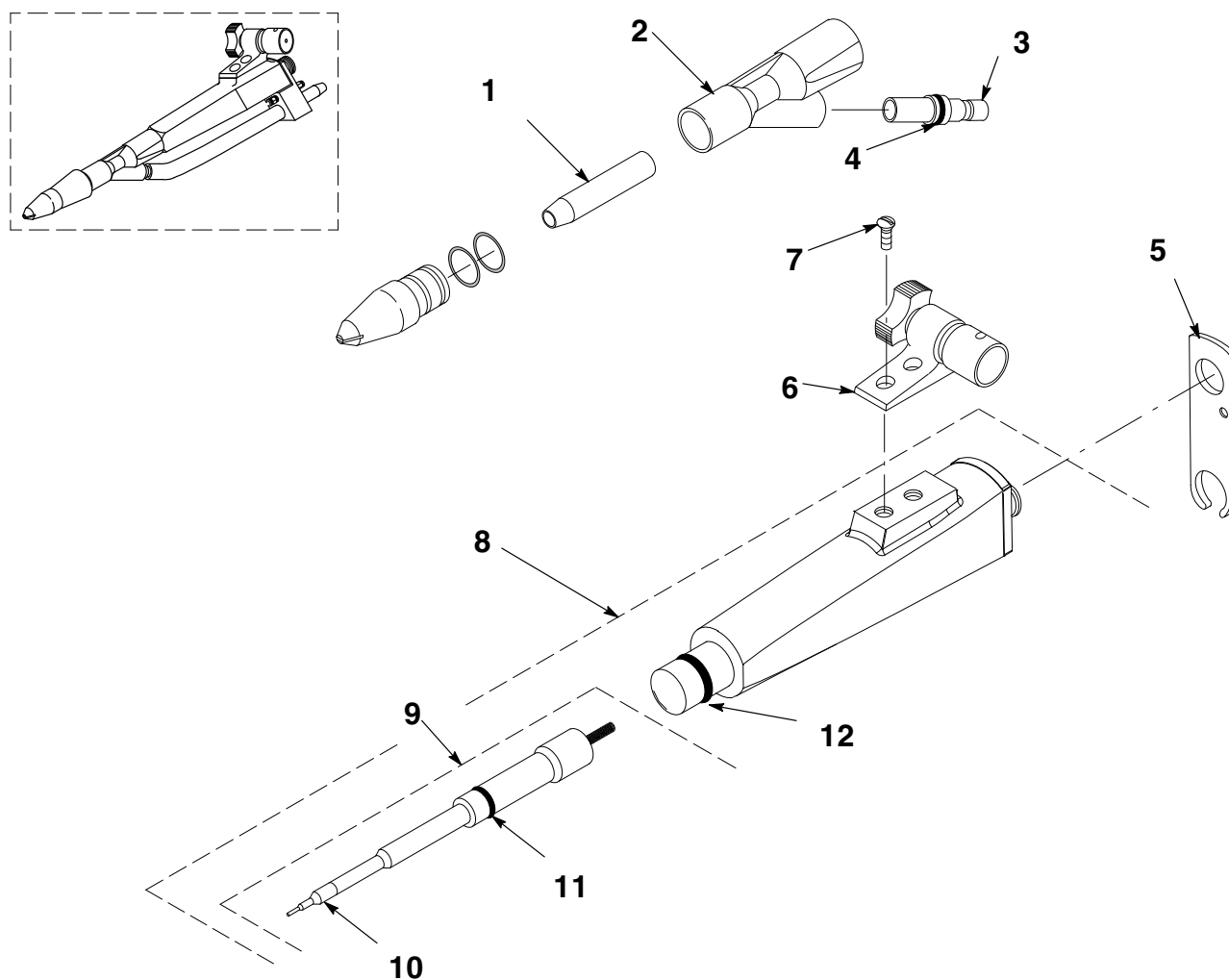


Fig. 10

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		
Cables for Connection to the Vantage Dual Control Unit						
	1043723	Cable, 12 meter				
	1054175	Cable, 16 meter				

Versa-Spray II Flat Spray Nozzles

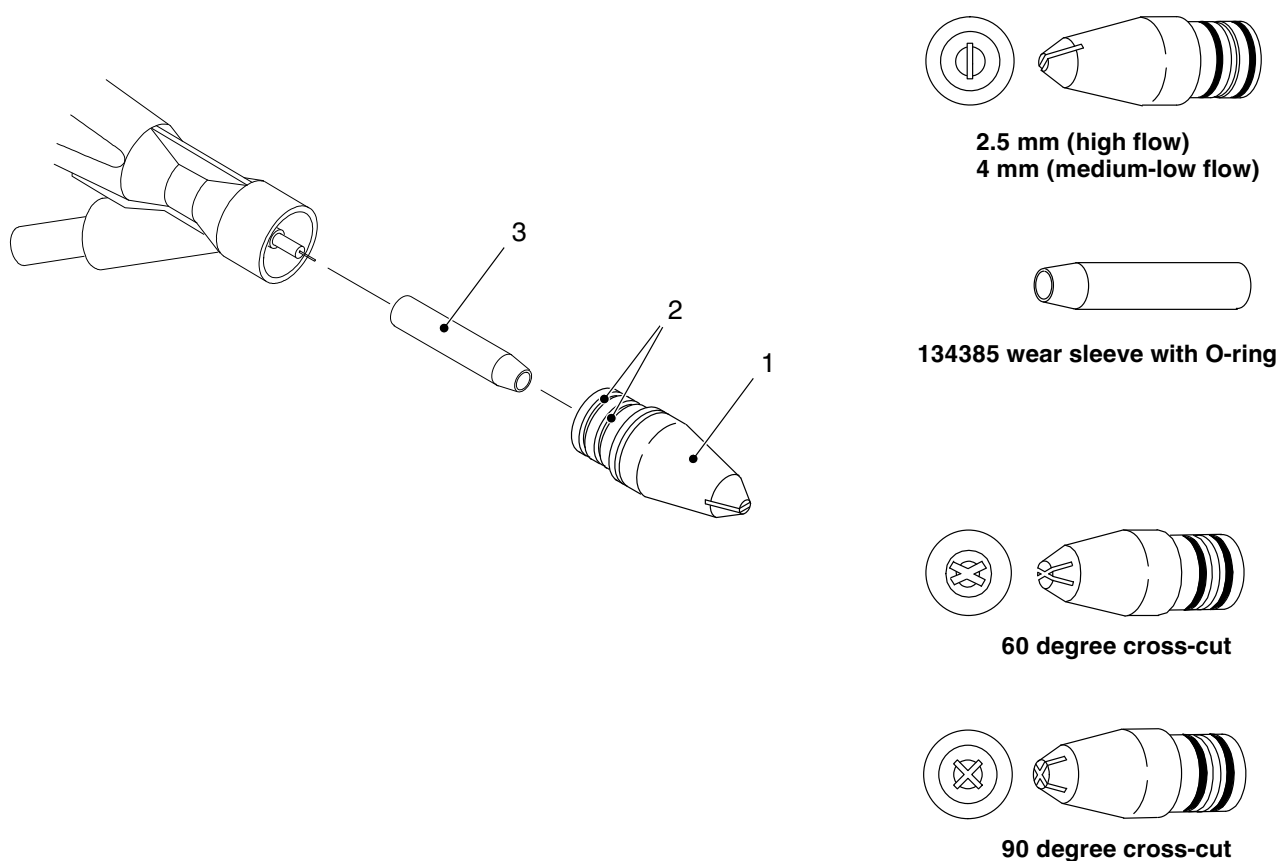


Fig. 11

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			



Item	Part	Description	Quantity	Note	Box	Code
—	224877	GUN, PE, Versa-Spray, negative, with conical nozzle and Shur-Lok mount	1		8+9	CE
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						

Sure Coat Automatic Spray Gun (Bar-Mount)

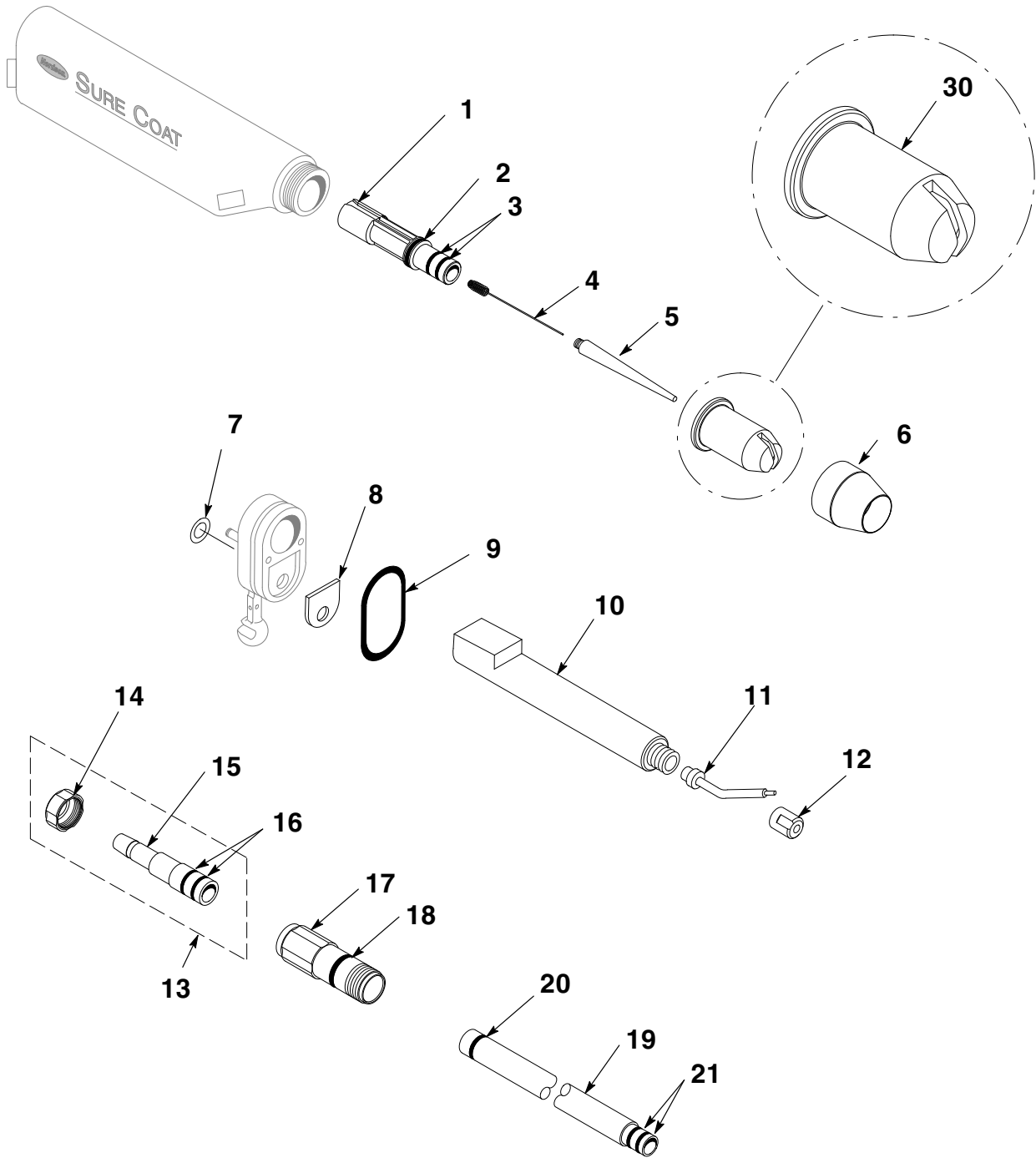


Fig. 13

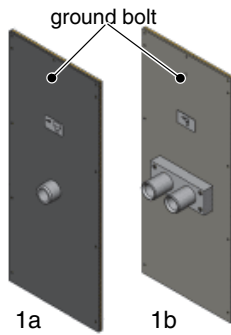
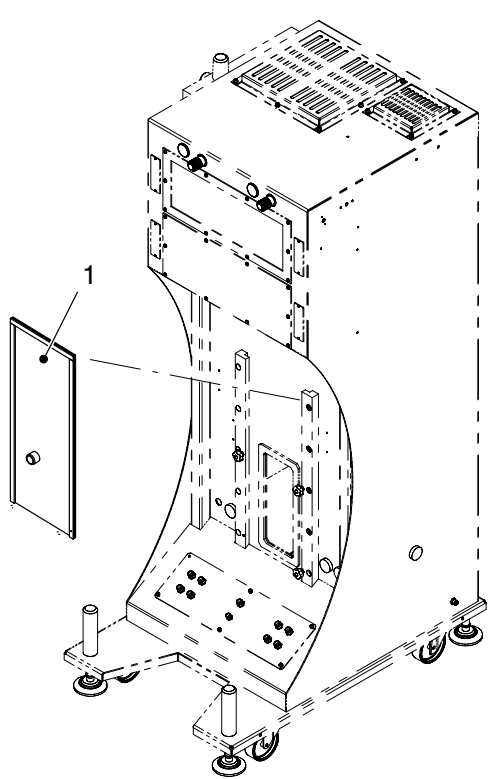
Item	Part	Description	Quantity	Note	Box	Code
-	333751	Bar mount gun, negative		#		
1	1010752	Electrode support, w/ O-rings				
2	940162	• O-ring		A		
3	941163	• O-ring		A		
4	1010562	Electrode				
5	1010561	Electrode holder				
6	1005028	Nozzle nut				
7	940060	O-ring		A		
8	327979	Multiplier gasket				
9	327986	O-ring		A		
10	288552	Multiplier				
11	1006352	Contact				
12	327706	Nut				
13	1013967	Hose conn. kit, 11 mm				
13	1013968	Hose conn. kit, 12.7 mm				
14	1010725	• Nut				
15	1010724	• Hose connector, 11 mm				
15	1010726	• Hose connector, 1/2 in.				
16	940156	• O-ring		A		
17	1016047	Connector body				
18	940203	O-ring		A		
19	1009706	Powder tube				
20	1020466	O-ring		A		
21	340637	O-ring		A		
Cables for the Vantage® Controller						
-	1048653	Cable, 12 meter				
-	1054176	Cable, 16 meter				
Kit for the Sure Coat Automatic Spray Guns						
-	1010753	O-ring kit				
NOTE A: Part of O-ring kit, part 1010753						

Sure Coat Flat Spray Nozzles

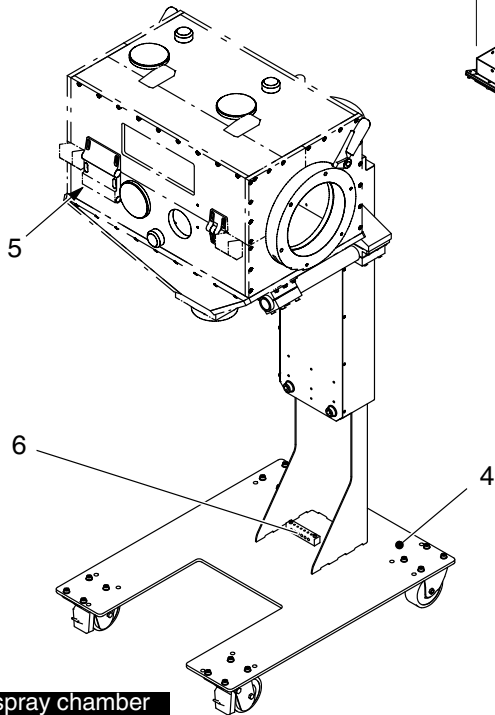
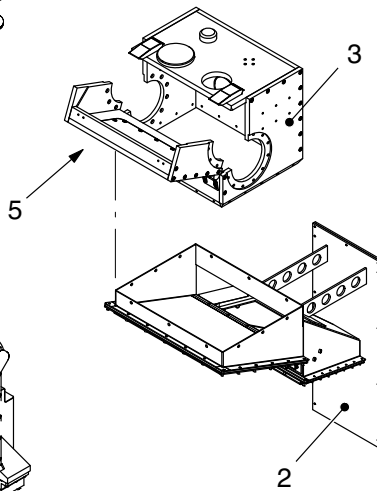
Item	Part	Description	Quantity	Note	Box	Code
30	1010661	4-mm slot flat spray nozzle				
30	1010662	2.5-mm slot flat spray nozzle				

Spray Chamber, Complete

w/o or remote spray chamber



attached spray chamber



remote spray chamber

Fig. 14

Item	Part	Description	Quantity	Note	Box	Code
w/o or remote spray chamber						
1a	7141758	Kit-INS inlet tube ECC70x	1	1x return	14	W,H
	-----	• Cover	1			
	7141622	• Sign Powder hose connection	1			
1b	7149121	Kit-INS inlet tubes ECC70x	1	2x return	14	#
	-----	• Cover	1			
	7141622	• Sign Powder hose connection				
attached spray chamber						
-	7141753	Attached spray chamber (M)	1	A	14	R
2	7130153	• Material recirculation	1		10	1,2
3	7141720	• Spray chamber w/ safety switch	1			
-	7153932	Attached spray chamber (L)	1	A	14	R
2	-----	• Material recirculation	1		10	3,4
3	-----	• Spray chamber w/ safety switch	1			
remote spray chamber						
4	7191519	Trolley ECC compl.	1	Fig.16	14	H
6	1067694	• KIT,GROUND BUS BAR,ESD,6 POS,W/HARDWARE	1			
NOTE A: Inlet/outlet assembly to be ordered separately. Refer to <i>Inlet/Outlet Assembly</i> .						

Safety Switch Kits

Item	Part	Description	Quantity	Note	Box	Code
-	-	Spray chamber w/ safety switch	1			
5	7137253	• Kit-SVC safety switch/spraychamber	1			
	7137254	• • Hinge safety switch Z410	1			
	-----	• • Safety switch f.hinged guards	1			
	-----	• • Control cable OELFLEX	7.3m			
	-----	• • Conduit connection,metal M16	1			
	-----	• • Conduit connection,metal M20	1			
	-----	• • Sleeve housing HAN10A 10-pole 16A	1			
	-----	• • Plug insert HAN10A 10-pole 16A 250V	1			
	-----	• • Cable identification plate type:KMK	2			
	7563304	Kit-SVC safety switch/spraychamber ECC (see Kit-P/N 7137253 w/o P/N 7137254)	1		10	3,4

Attached Spray Chamber

Fluid Plates

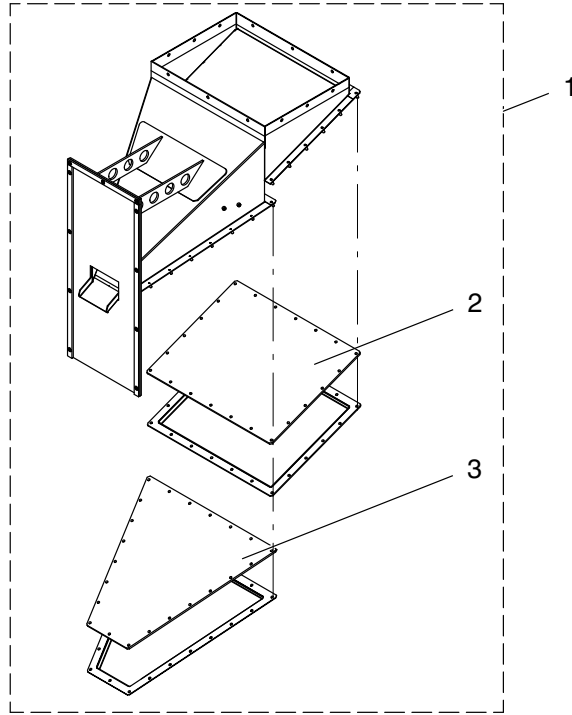
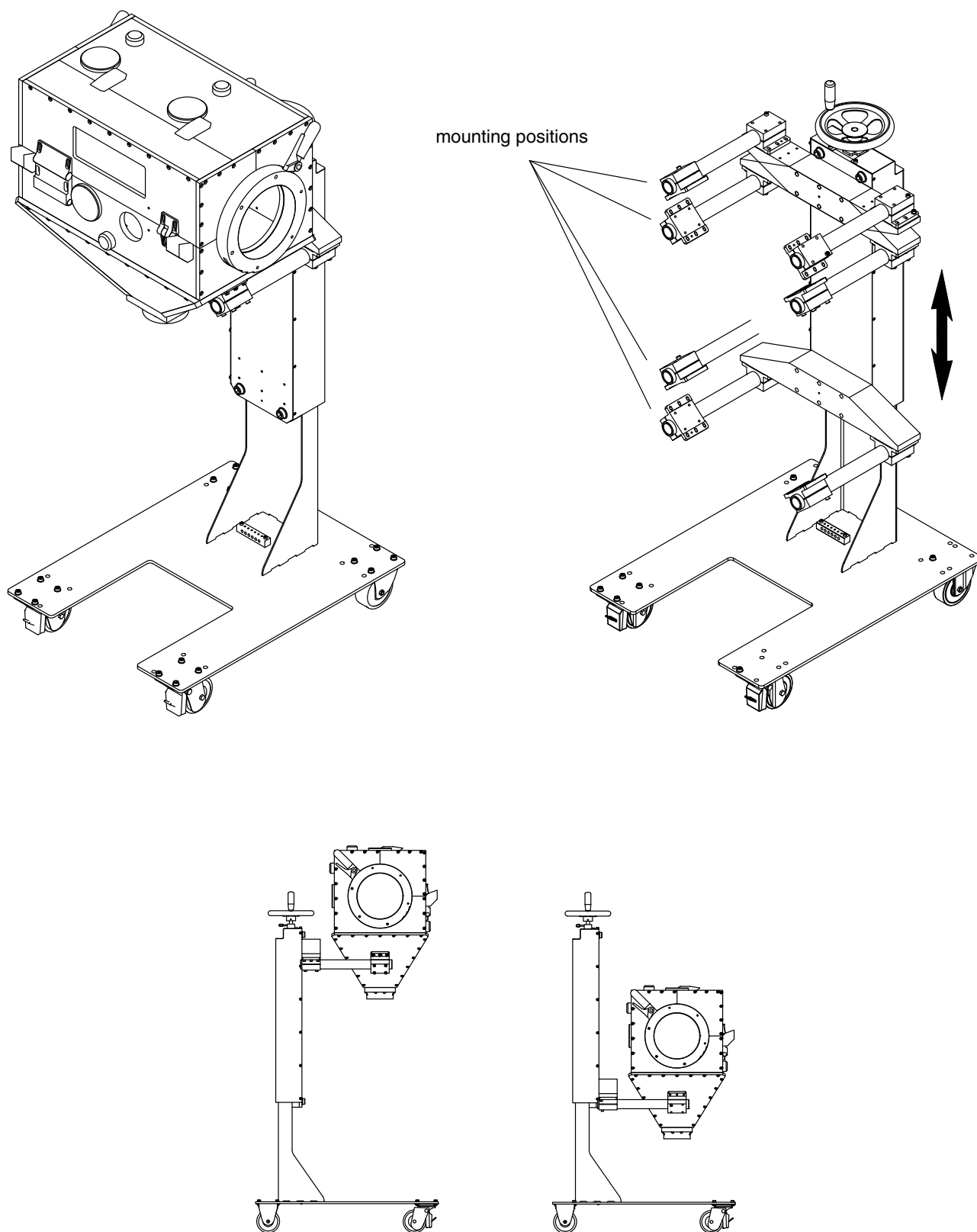


Fig. 15

Item	Part	Description	Quantity	Note	Box	Code
1	-	Material recirculation (spray chamber "M")	1		14	R
2	7130165	• Fluid plate	1		10	1,2
3	7130210	• Fluid plate	1			

Item	Part	Description	Quantity	Note	Box	Code
1	-	Material recirculation (spray chamber "L")	1		14	R
2	7130422	• Fluid plate	1		10	3,4
3	7130210	• Fluid plate	1			

Remote Spray Chamber



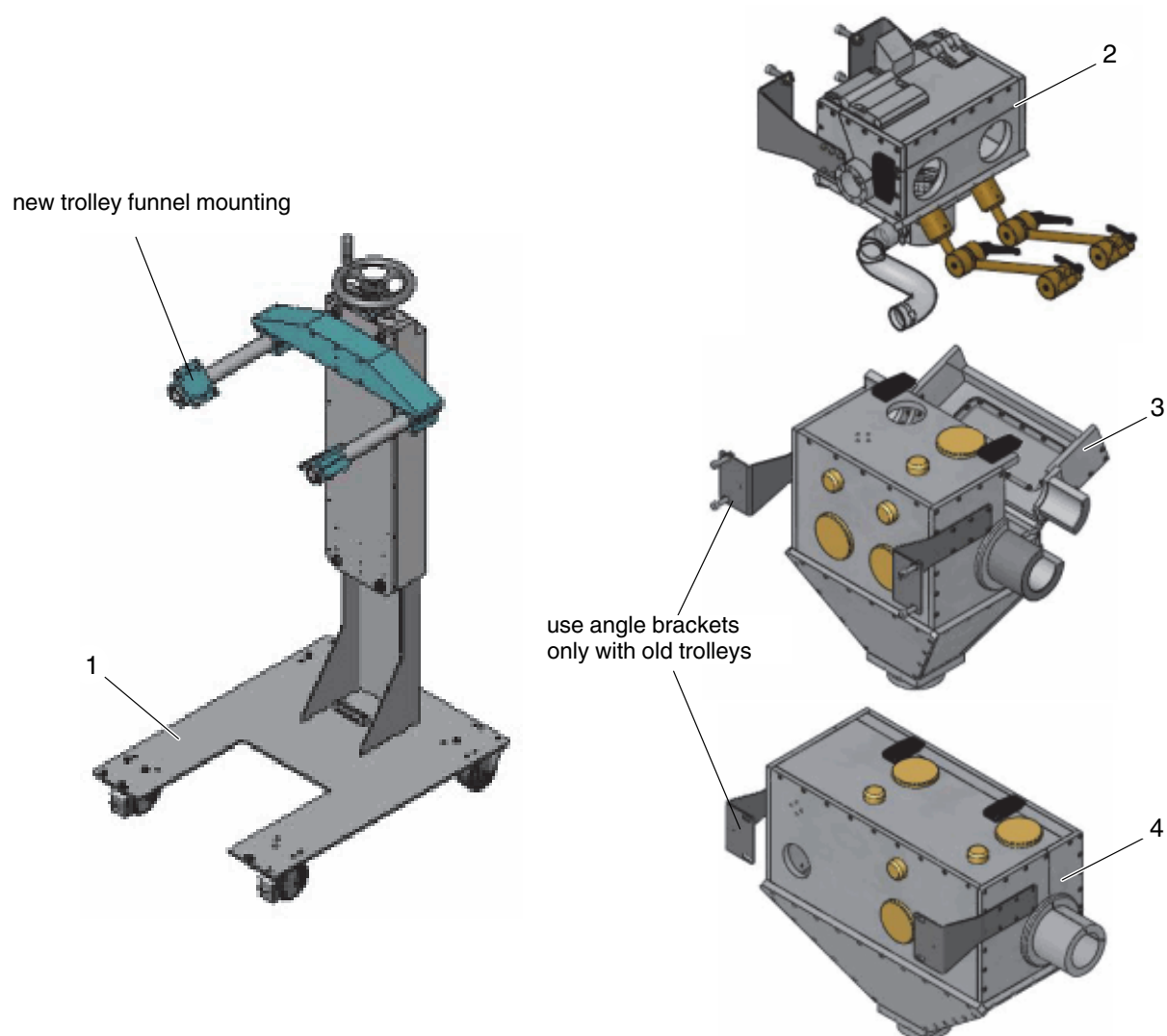
Remote Spray Chamber (Contd.)

Fig. 16

Item	Part	Description	Quantity	Note	Box	Code
1	7191519	Trolley ECC compl.	1		14	H
2	7153568	Spray chamber ECC white (S)	1	special	10	1,2
3	7132818	Spraychamber ECC window CP ID80 M	1		10	1,2
-	7137483	• Spray chamber ECC white w/insp.	1			
-	7141720	• • Spray chamber w/ safety switch	1			
-	7130692	• Cable in out CP ID 80 ECC701	2	Fig. 19		
4	7168224	Spraychamber ECC window CP ID80 L	1		10	3,4
-	7130712	• Spray chamber ECC white w/insp.	1	Ø125		
-	7130692	• Cable in out CP ID 80 ECC701	2	Fig. 19		
-	7180354	Trolley w/spraychamber ECC CP IO 180 mm (incl. P/N 7191460 iris valve AD8)	1			
1	7191519	• Trolley ECC compl.	1			
-	7191424	• Spray chamber ECC	1	Ø200		

Screen Cloth

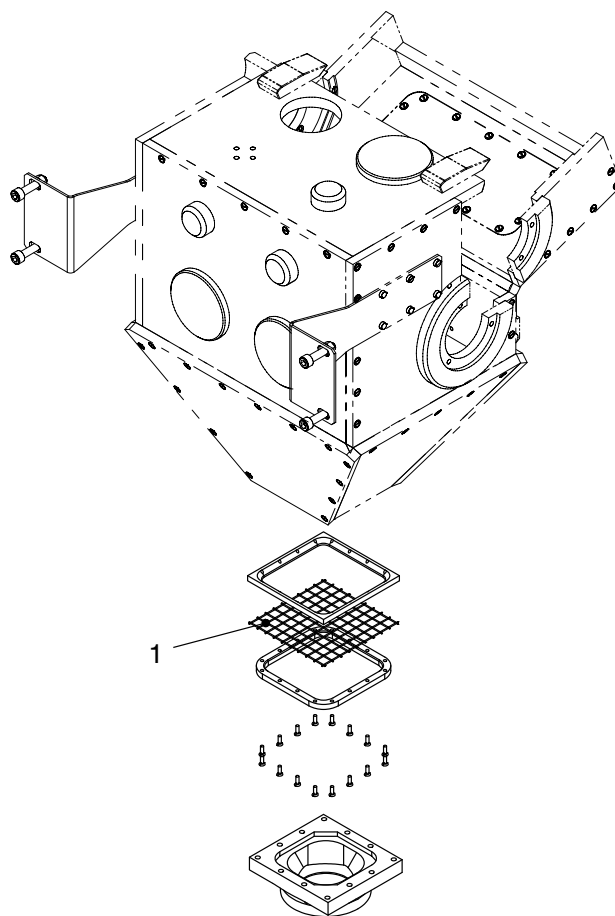


Fig. 17

Item	Part	Description	Quantity	Note	Box	Code
-	-	Spray chamber	1		14	H
1	7130034	• Screen cloth	1			

Casters

Item	Part	Description	Quantity	Note	Box	Code
-	419575	Swivel caster F=180kg/D100/B34/H125	2		14	H
-	419576	Rigid caster F=180KG/D100/B34/H125	2			
-	254683	Allan head cap screw M8x20 DIN912	16			
-	256853	Washer D8,4 DIN125 type B SST	16			
-	416898	Hexagon nut M8 DIN439 B	16			

Inlet/Outlet Assemblies

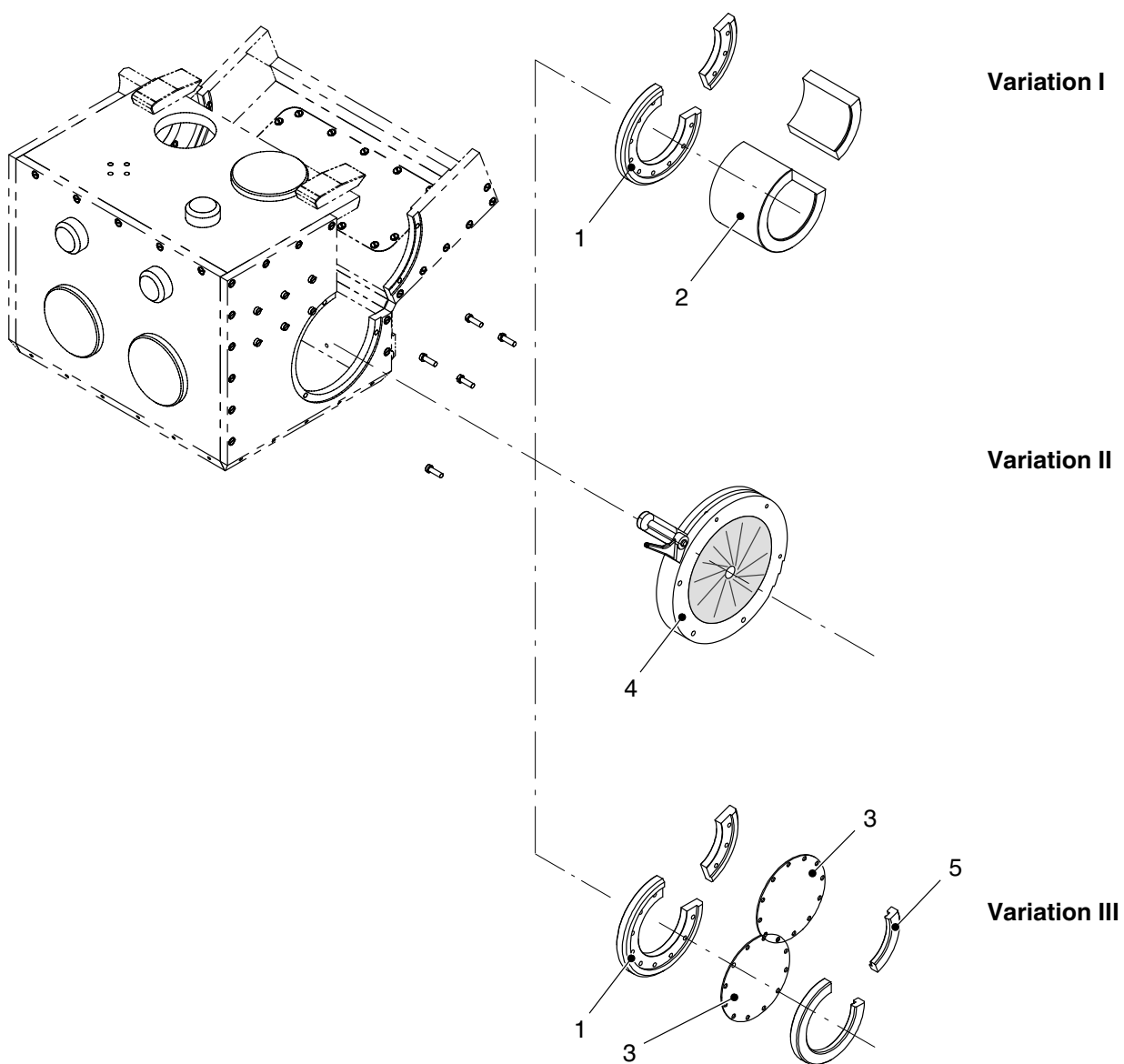


Fig. 18 Spray chamber P/N 7141720

Item	Part	Description	Quantity	Note	Box	Code
Variation II - Size Ø 125 mm						
4		Iris valve	2		19,23 20,24	V V
Variation II - Size Ø 180 mm						
4	7195227	Iris valve AD8 (7191460)	2		19,23 20,24	W W

Connecting Branches

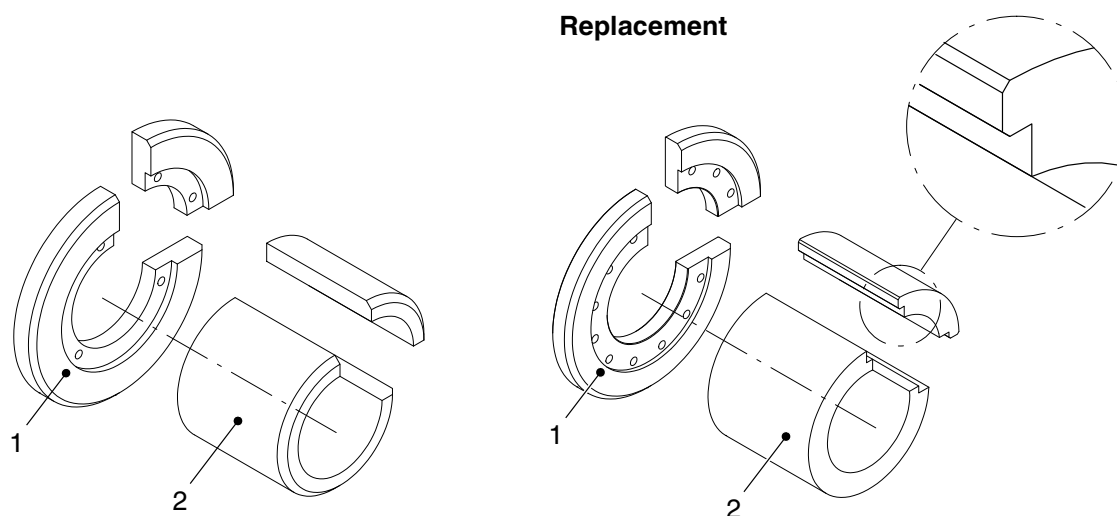


Fig. 19

Item	Part	Description	Quantity	Note	Box	Code
Variation I - Size Ø80 mm (D80) - Standard -						
1	7130186	Adapter 3/4	2	7130126*	19,23	S
	7130205	Adapter 1/4	2	7130127*	20,24	S
2	7130192	Replaced by	-	7130036*		
	7130834	Connecting branch 3/4	2			
	7130208	Replaced by	-	7130041*		
	7130835	Connecting branch 1/4	2			
Variation I - Size Ø100 mm (D100)						
1	7130185	Adapter 3/4	2		19,23	M
	7130204	Adapter 1/4	2		20,24	M
2	7130191	Replaced by	-			
	7130876	Connecting branch 3/4	2			
	7130207	Replaced by	-			
	7130877	Connecting branch 1/4	2			
Variation I - Size Ø125 mm (D125)						
2	7130190	Replaced by	-		19,23	L
	7130878	Connecting branch 3/4	2		20,24	L
	7130206	Replaced by	-			
	7130879	Connecting branch 1/4	2			

* Parts belong to old P/N 7137494

Connecting Branch Kits

Item	Part	Description	Quantity	Note	Box	Code
Fig. 19	7130692	Cable in out CP ID 80 ECC701	1		19,23 20,24	S S
1	7130186	• Adapter 3/4	1			
1	7130205	• Adapter 1/4	1			
2	7130834	• Connecting branch 3/4	1			
2	7130835	• Connecting branch 1/4	1			
-	7130174	• Pan head screw M6x16 PA	24			
Fig. 19	7130693	Cable in out CP ID 100 ECC701	1		19,23 20,24	M M
1	7130185	• Adapter 3/4	1			
1	7130204	• Adapter 1/4	1			
2	7130191	• Connecting branch 3/4	1			
2	7130207	• Connecting branch 1/4	1			
-	7130174	• Pan head screw M6x16 PA	32			
Fig. 19	7130694	Cable in out CP ID 125 ECC701	1		19,23 20,24	L L
2	7130190	• Connecting branch 3/4	1			
2	7130206	• Connecting branch 1/4	1			
-	7130174	• Pan head screw M6x16 PA	16			

Rubber Lids

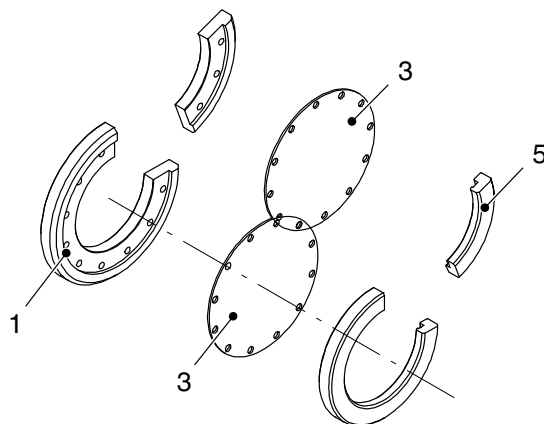


Fig. 20

Item	Part	Description	Quantity	Note	Box	Code
Variation III - Size Ø 125 mm (D125)						
3	7130187	Rubber lid	4		19,23 20,24	R
5	7130182	Clamp ring 3/4	2			
	7130200	Clamp ring 1/4	2			

Spray Chamber with Rectangular In- / Outlet: 150 x 50

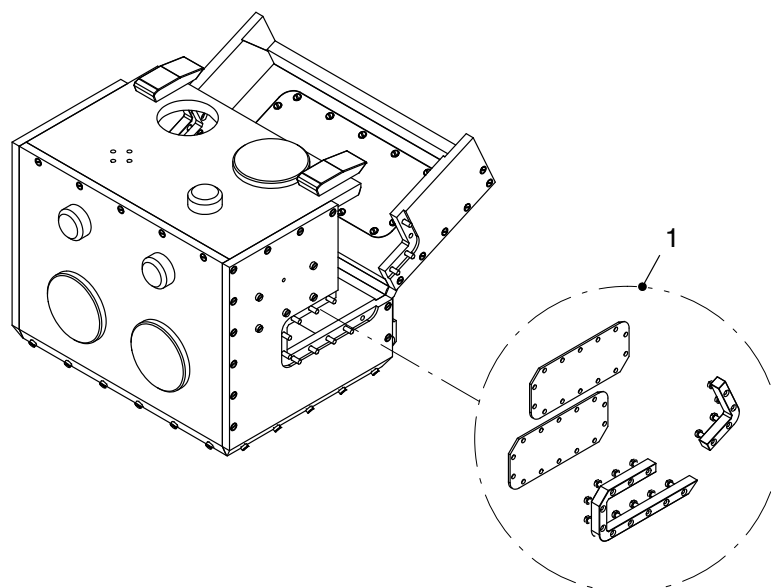


Fig. 21 P/N 7130142

Item	Part	Description	Quantity	Note	Box	Code
-	7130142	Spray chamber ECC701 150x50	1			#
-	7130143	• Spray chamber 150x50	1			
-	7130144	• Spray chamber,flaps 150x50	1			
-	398164	• Locking cover,spray chamber ECC700 compl	3			
-	398165	• Cover,spray chamber ECC700 compl.	3			
-	7137255	• Safety switch f.hinged guards	1			
-	7137254	• Hinge safety switch Z410	1			
-	398145	• Locking jig,spray chamber ECC700	2			
1	7130152	• Passage kit 150x50	2			
-	7130151	• Cablefeed through disk unperforat 150x50	2			

Recirculation

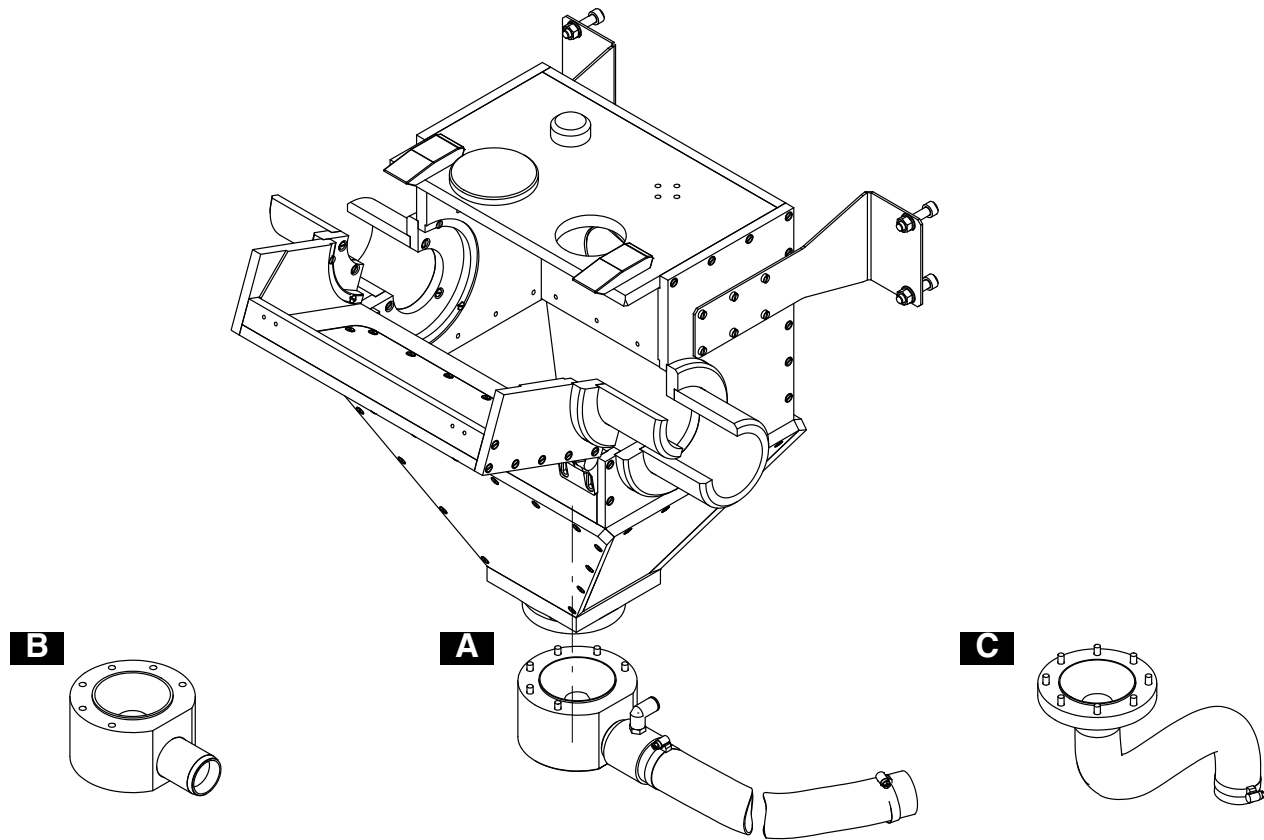


Fig. 22

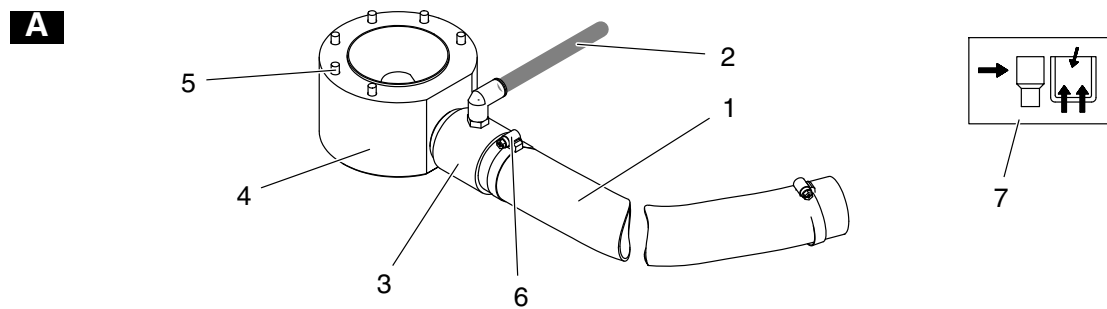


Fig. 23

Item	Part	Description	Quantity	Note	Box	Code
A	7144236	KIT 90deg. w/ recirculation pump	1	Fig. 23	21	3
4	-----	• Flange 90° spraychamber powderoutlet	1		25	3
5	7130051	• Panhead screw M6x20 PA acc.DIN 84	6			
3	-----	• EJECTOR,RET	1			
6	-----	• Hose clamp D32-50 DIN3017	2			
1	789497	• Hose,ret,dia 40mm ECC PU clear	6m			
2	788669	• Air hose D6,0 d4,0 PUR blue	6m			
7	7141621	• Sign <i>Air pressure regulator "Recirc.pump"</i>	1			
-	-----	• Fitting -W-D06-R1/8-TURN - <i>replaces fitting D08 that comes with ejector</i>	1			
-	-----	• Plug-type thread fitting -G-D06-D06-BHD	1			
B	7168220	Kit-INST 90deg spraych. ECC70x w/o hose	1	Fig. 22	21	2
	-----	• Flange 90 deg	1		25	2
	-----	• Panhead screw M6x20 PA-acc.DIN 84	6			
B	7148377	KIT 90deg. w/o recirculation pump	1	Fig. 22	21	2
	-----	• Flange 90 deg	1		25	2
	-----	• Panhead screw M6x20 PA acc.DIN 84	6			
	789497	• Hose, dia 40mm PU clear	6m			
	-----	• Hose clamp D32-50 DIN3017	2			
C	7132859	Kit-INST tubing air/1spray chamber ECC	1	Fig. 22	21	1
	-----	• Flange D40	1		25	1
	789497	• Hose, dia 40mm PU clear	6m			
	-----	• Panhead screw M6x20 PA acc.DIN 84	8			
	-----	• Hose clamp D32-50 DIN3017	2			
C	7128853	Kit-INST tubing air/2spray chamber ECC	1	Fig. 22	21,25	1
	-----	• Flange D40	2		22	≠0
	789497	• Hose, dia 40mm PU clear	12m			
	-----	• Panhead screw M6x20 PA acc.DIN 84	16			
	-----	• Hose clamp D32-50 DIN3017	4			

Powder Pumps

KIT Powder Pump Ceramic w/ Pump, Standard-Flow, 8 mm

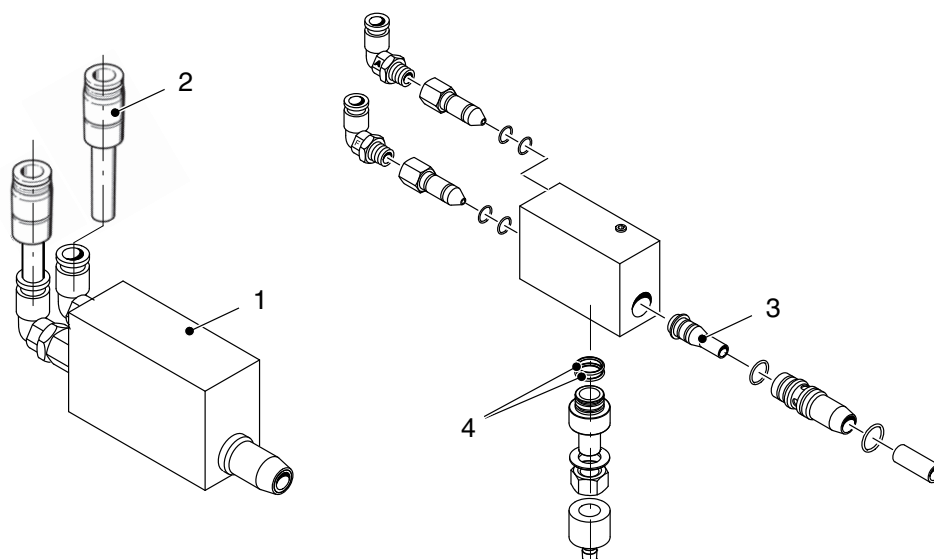


Fig. 24

Item	P/N	Description	Quantity	Note	Box	Code
-	7137252	KIT POWDER PUMP CERAMIC	1		15	C
1	327742	• PUMP, STD-FLOW, 8MM	1			
3	114223	• • THROAT, VENTURI, STAINLESS STEEL	1			
3	1064256	• THROAT, VENTURI, STANDARD FLOW, SMART				
3	114219	• THROAT, VENTURI, TIVAR®, LO-FLO	1			
2	7149160	• Plug-type fitting QS-8H-6	2			
-	7114984	• Adapter, pump, low flow (standard flow)	1	Fig.48		
4	635923	• • O-Ring 22x2,5 Viton	2			
NS	900724	• Tubing, Polyurethane, .485	5.5m			

Adapter, pump, high flow

Item	P/N	Description	Quantity	Note	Box	Code
-	7114984	Adapter, pump, low flow (standard flow)		Fig.48		
-	7149118	• Adapter, pump, high-flow		Fig.48		

Item	Part	Description	Quantity	Note	Box	Code
-	7168062	Kit-INST pump abrasive powder ECC70x	1	Fig.24	15	C
1	327742	• PUMP, PDR, STD-FLOW, 8MM, PKG	1			
3	114219	• THROAT, VENTURI, TIVAR, LO-FLO	1			
3	114223	• THROAT, VENTURI, ST	1			
2	7149160	• Plug-type fitting QS-8H-6	2			

O-Rings / Wear Parts for Pump P/N 327742

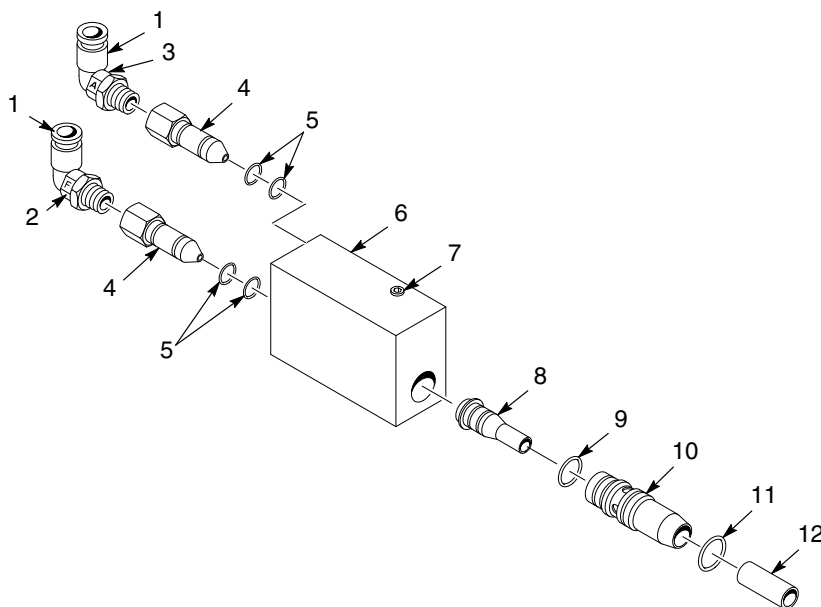


Fig. 25

Item	Part	Description	Quantity	Note	Box	Code
—	327742	PUMP, powder, standard-flow, metric, 8 mm, packaged	1			
1	972276	• ELBOW, male, 8-mm tube x 1/8 in. unithread	2			
2	248124	• MARKER, clip, F	1			
3	248046	• MARKER, clip, A	1			
4	249503	• NOZZLE, air, venturi, 0.063-in. ID	2			
5	940129	• O-RING, silicone, conductive, 0.375 x 0.50 x 0.063 in.	4			
6	249502	• HOUSING, pump, powder	1			
7	973402	• PLUG, pipe, socket, flush, 1/8 in., zinc	1			
8	1064256	• THROAT, venturi, SMART™	1	A		
9	940163	• O-RING, silicone, conductive, 0.625 x 0.75 x 0.063 in.	1			
10	249506	• HOLDER, throat	1			
11	940184	• O-RING, silicone, conductive, 0.75 x 0.875 x 0.063 in.	1			
12	249507	• TUBE, wear, holder	1			
NOTE A: This throat does not require O-rings and retaining ring						

KIT Powder Pump Ceramic w/ Pump, Metric, 6 mm (Obsolete)

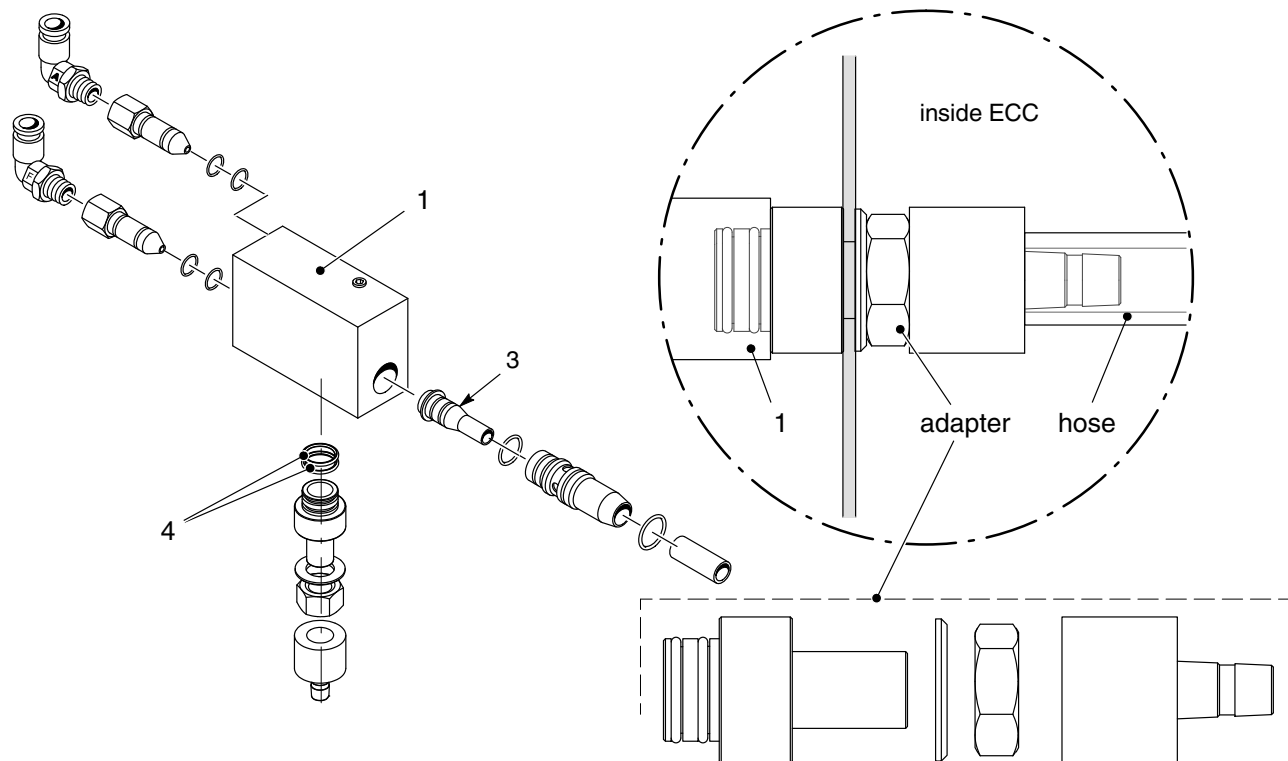


Fig. 26 Tivar® is a registered Trademark of Quadrant Engineering Plastic Products

Item	P/N	Description	Quantity	Note	Box	Code
-	7137252	KIT Powder pump ceramic	1		15	C
1	165636	• Pump, powder, metric, 6 mm	1	A		
3	114219	• Throat, Venturi, Tivar®, low flow	1			
3	114223	• Throat, Venturi, stainless steel, std. flow	1			
-	900724	• Tubing, Polyurethane,.485	5.5m			
-	7114984	• Adapter,pump low/high flow cpl.	1			
4	635923	• • O-ring 22x2,5 Viton	2			
NOTE A: PUMP, POWDER, METRIC, 6MM (until 12/10): Order KIT P/N 7168073 for replacement						

Item	Part	Description	Quantity	Note	Box	Code
-	7168073	Kit-SVC pump abrasive powder ECC70x new	1	B	15	C
-	7168062	• Kit-INST pump abrasive powder ECC70x	1		15	C
1	327742	• • PUMP,PDR,STD-FLOW,8MM,PKG	1	Fig.24		
3	114219	• • THROAT,VENTURI,TIVAR,LO-FLO	1			
3	114223	• • THROAT,VENTURI,ST	1			
-	7149160	• • Plug-type fitting QS-8H-6	2	2, Fig.24		
NOTE B: P/N 7114984 must also be ordered if the existing pump adapter is made of plastic.						

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

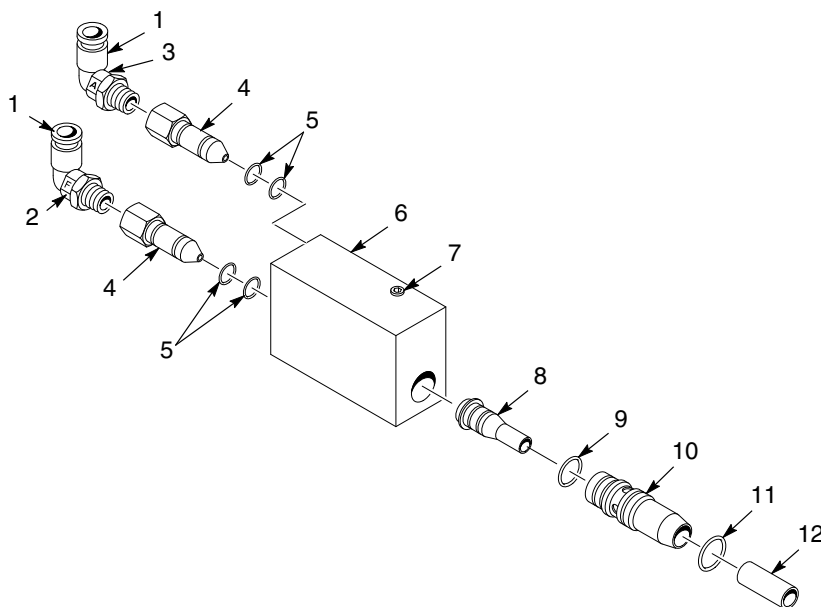


Fig. 27

Item	Part	Description	Quantity	Note	Box	Code
—	165636	PUMP, powder, standard-flow, metric, 6 mm, packaged	1	obsolete	15	C
1	972126	• ELBOW, male, 6-mm tube x 1/8 in. unithread	2			
2	939109	• MARKER, clip, F	1			
3	939108	• MARKER, clip, A	1			
4	249503	• NOZZLE, air, venturi, 0.063-in. ID	2			
5	940129	• O-RING, silicone, conductive, 0.375 x 0.50 x 0.063 in.	4			
6	249502	• HOUSING, pump, powder	1			
7	973402	• PLUG, pipe, socket, flush, 1/8 in., zinc	1			
8	1064256	• THROAT, venturi, SMART™	1	A Fig.30		
9	940163	• O-RING, silicone, conductive, 0.625 x 0.75 x 0.063 in.	1			
10	249506	• HOLDER, throat	1			
11	940184	• O-RING, silicone, conductive, 0.75 x 0.875 x 0.063 in.	1			
12	249507	• TUBE, wear, holder	1			
NOTE A: This throat does not require O-rings and retaining ring						

KIT Powder Pump low & medium flow w/ Pump, Modular, 6 mm (Obsolete)

P/N 224713

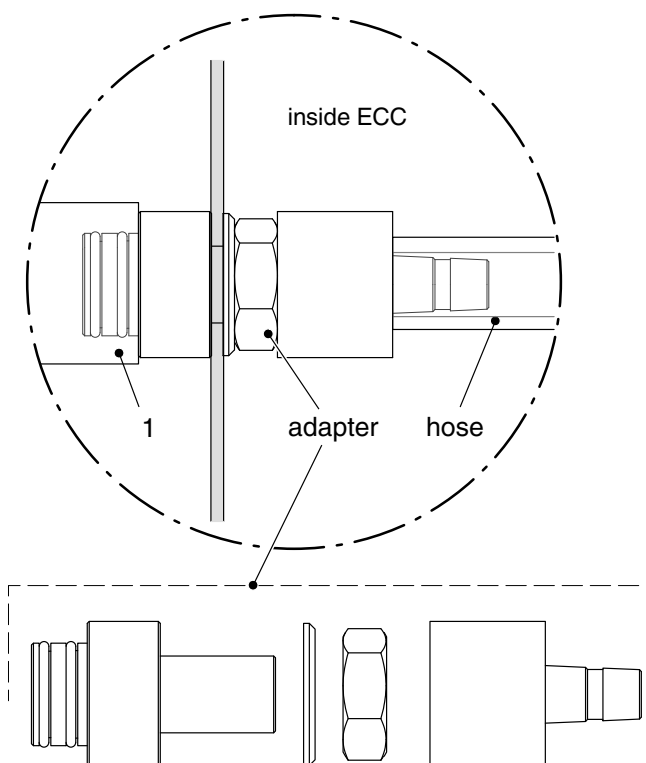
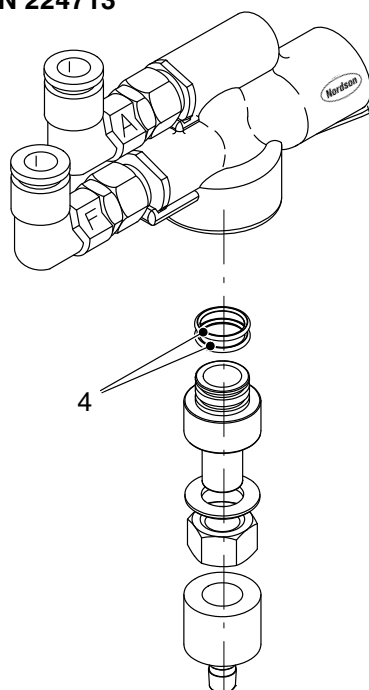


Fig. 28

Item	P/N	Description	Quantity	Note	Box	Code
-	7137097	KIT Powder pump low & medium flow	1		15	N
2	224713	• Pump, powder, modular, 6 mm	1	A		
-	900724	• Tubing, Polyurethane,.485	5.5m			
-	7114984	• Adapter,pump low/high flow cpl	1			
4	635923	• • O-ring 22x2,5 Viton	2			
NOTE A: PUMP, MODULAR, 6MM (until 11/08): Order KIT P/N 7168072 for replacement						

Item	P/N	Description	Quantity	Note	Box	Code
-	7168072	Kit-SVC Repl.Modular pump ECC70x low fl.	1			
-	7168062	• Kit-INST pump abrasive powder ECC70x	1			
1	327742	• • PUMP,PDR,STD-FLOW,8MM,PKG	1	Fig.24		
3	114219	• • THROAT,VENTURI,TIVAR,LO-FLO	1			
3	114223	• • THROAT,VENTURI,ST	1			
2	7149160	• • Plug-type fitting QS-8H-6	2	Fig.24		
-	7114984	• Adapter,pump low/high flow cpl	1			
4	635923	• • O-Ring 22x2,5 Viton	2			

-	900724	Tubing, Polyurethane,.485	as required			
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O-Rings / Wear Parts for Obsolete Pump P/N 224713 (Low & Medium Flow)

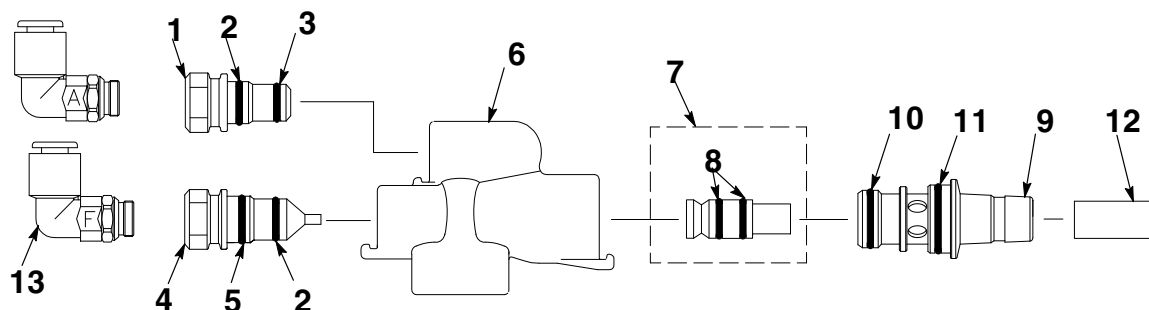


Fig. 29

Item	Part	Description	Quantity	Note	Box	Code
-	224713	Pump, powder, modular, 6 mm	1	obsolete	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.						

Venturi Throats Selection

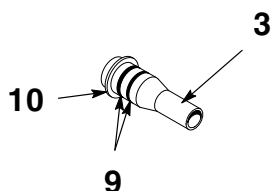


Fig. 30

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)

Powder Recirculation Pump

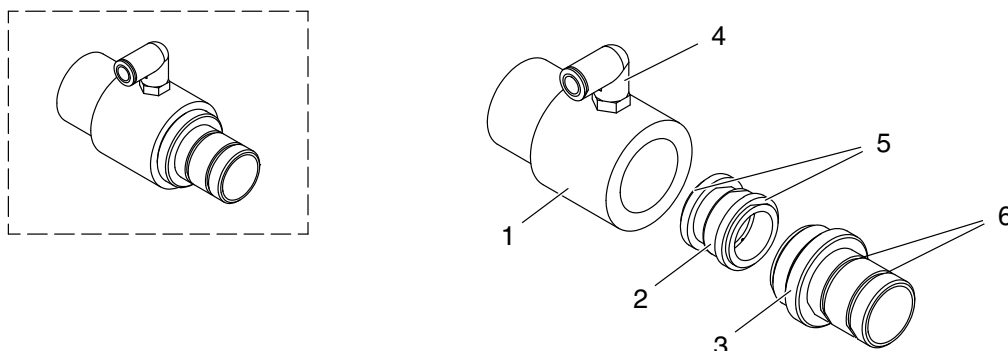


Fig. 31

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			

Kit-INST Diaphragm Pressure Regulator (2 Powder Recirc. Pumps)

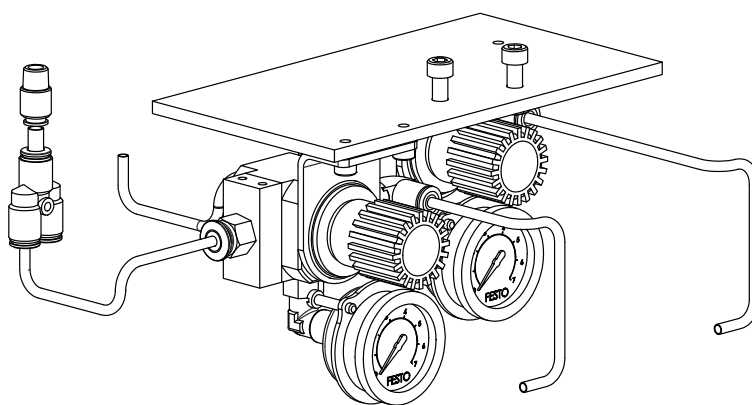


Fig. 32 P/N 7149315

Item	Part	Description	Quantity	Note	Box	Code
-	7149315	Kit-INST Diaphragm Pressure Reg.	1			
-	7555799	Kit-INST Booster recirc, pump ECC701	1	A		
NOTE A: Upgrades Kit 7149315 to third regulator with ejector 634740 (Fig. 31) incl. powder hose, dia 40mm PU clear and air hose D8,0 d5,7 PUR silver						

Engineered Tribomatic

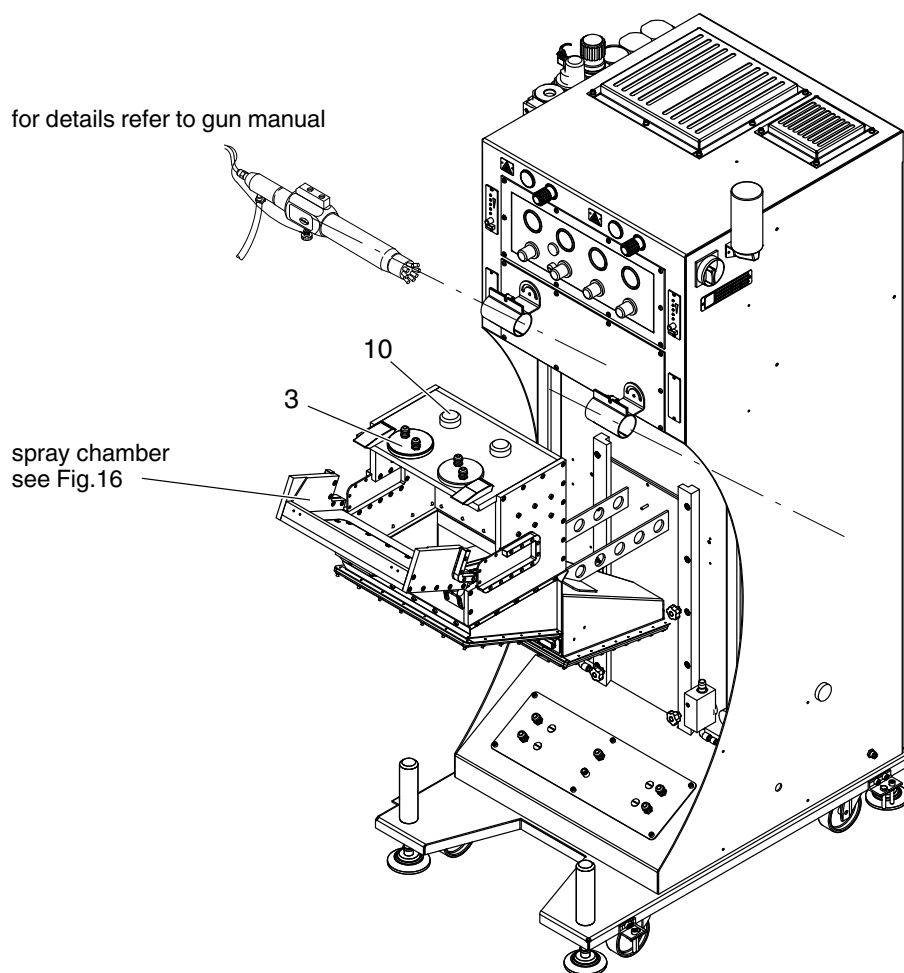


Fig. 33

Item	P/N	Description	Quantity	Note	Box	Code
-	7141757	Kit-INST Tribomatic gun	1			
1	634713	• CHARGETUBE, TI, 3 TUBE NYLON 500MM	1			
2	638882	• SPRAYHEAD,4T,ADJ.LENGTH,NYLON	1			
3	7114641	• Locking cover,spray chamber cpl	2	Fig. 33		
4	424040	• CONDUIT CONNECTION,PLASTIC PG9	4			
-	7141759	• Kit-INST Tribo chargetube	1			
5	635005	• • DIFFUSER,GEN.3	1			
6	630011	• • SPACER COMPL. TI, 82MM	1			
7	630013	• • NUT,RING,SPACER	1			
8	630021	• • HOLDER, GUN, ADJ.,RIGHT HAL	1			
9	1054613	• ADAPTER,TRIBO,VANTAGE AUTO	1			
10	398165	• Cover,spray chamber ECC70x compl.	2	Fig. 33		

Tribomatic Pump

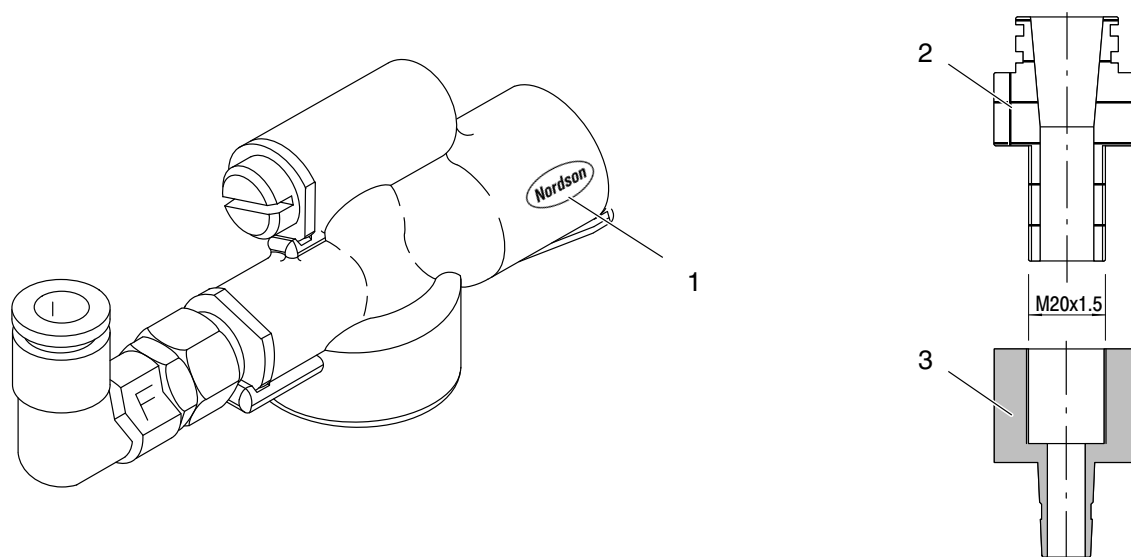


Fig. 34

Item	P/N	Description	Quantity	Note	Box	Code
-	7137322	Kit-INST pump Tribo ECC70x	1		15	# (T)
1	224715	• PUMP,MODULAR,TRIBO,PACKAGED	1	A		
-	233449	• THROAT,.188 DIA,SS,PACKAGED	1			
-	900724	• TUBING,POLYURETHANE,.485	6 m			
2	398191	• Adapter, pump ECC700	1	B		
3	398192	• Adapter bracket ECC700	1	B		
NOTE A: Can be replaced by P/N 631401 (Fig. 35) B: Part of adapter P/N 7114984						

Item	P/N	Description	Quantity	Note	Box	Code
-	7114984	Adapter,pump low/high flow cpl	1			
2	398191	• Adapter pump ECC700	1			
3	398192	• Adapter bracket ECC700	1			
-	635923	• O-RING 22X2, 5	2			
-	7130308	• Lock washer DIN6797 A 21 A2	1			
-	259219	• Hexagon nut M20x1,5 DIN439 B	1			

Tribomatic Pump II

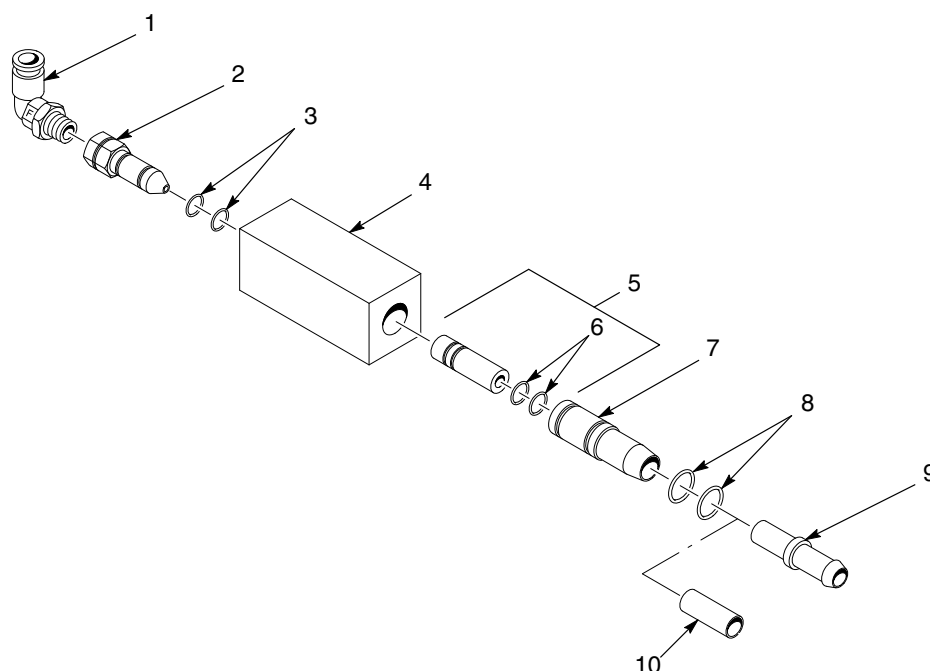


Fig. 35

Item	Part	Description	Quantity	Note
—	631401	Pump, Tribomatic II, single	1	A
1	972126	• Elbow, male, 6 mm tube x 1/8 universal thread	1	
2	631420	• Nozzle, air, 0.073 in. ID	1	
3	940129	• O-ring, silicone, conductive, 0.375 x 0.500 in.	2	
4	635004	• Housing, pump, generation 3	1	
5	635001	• Throat, venturi, generation 3, PTFE	1	
6	940126	• • O-ring, silicone, 0.375 x 0.500 x 0.063 in.	2	
7	635003	• Holder, throat, generation 3	1	
8	940165	• O-ring, silicone, conductive, 0.625 x 0.750 in.	2	
9	139943	• Connector, pump, powder	1	
10	249507	• Tube, wear, holder	1	B

NOTE A: Bulk quantities of this part are available. Refer to *Bulk Venturi Throats*.

B: Use this wear tube holder in place of item 9 when using 1/2-in. ID powder feed tubing.

Bulk Venturi Throats

631405	Throat, Tribomatic II, PTFE, 10 pack	
631406	Throat, Tribomatic II, PTFE, 25 pack	
631407	Throat, Tribomatic II, PTFE, 100 pack	
631409	Throat, Tribomatic II, Tivar, 10 pack	
631410	Throat, Tribomatic II, Tivar, 25 pack	
631411	Throat, Tribomatic II, Tivar, 100 pack	

Service and Accessory Kits

Hoses & Tubings

Powder

(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						

Air

Item	Part	Description	Quantity	Note	Box	Code
-	7149159	Air hose D12,0 d8,0 PUR blue	AR			
-	7149158	Air hose D10,0 d7,0 PUR blue	AR			
-	289009	Air hose D8,0 d5,7 PUR silver	AR			
-	289010	Air hose D6,0 d4,0 PUR silver	AR			
-	788669	Air hose D6,0 d4,0 PUR blue	AR			
-	788670	Air hose D6,0 d4,0 PUR black	AR			
-	418496	Air hose D4,0 d2,8 PUR silver	AR			
AR: as required						

Refill hopper (Feed Hopper) - HR

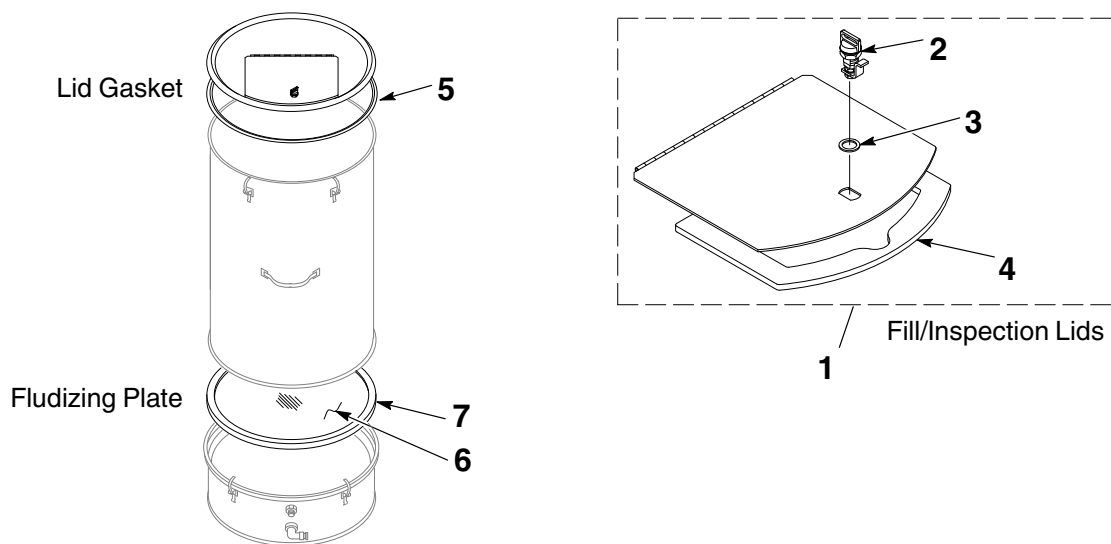


Fig. 36 Replaced by model NHR

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

Refill hopper (Feed Hopper) - NHR

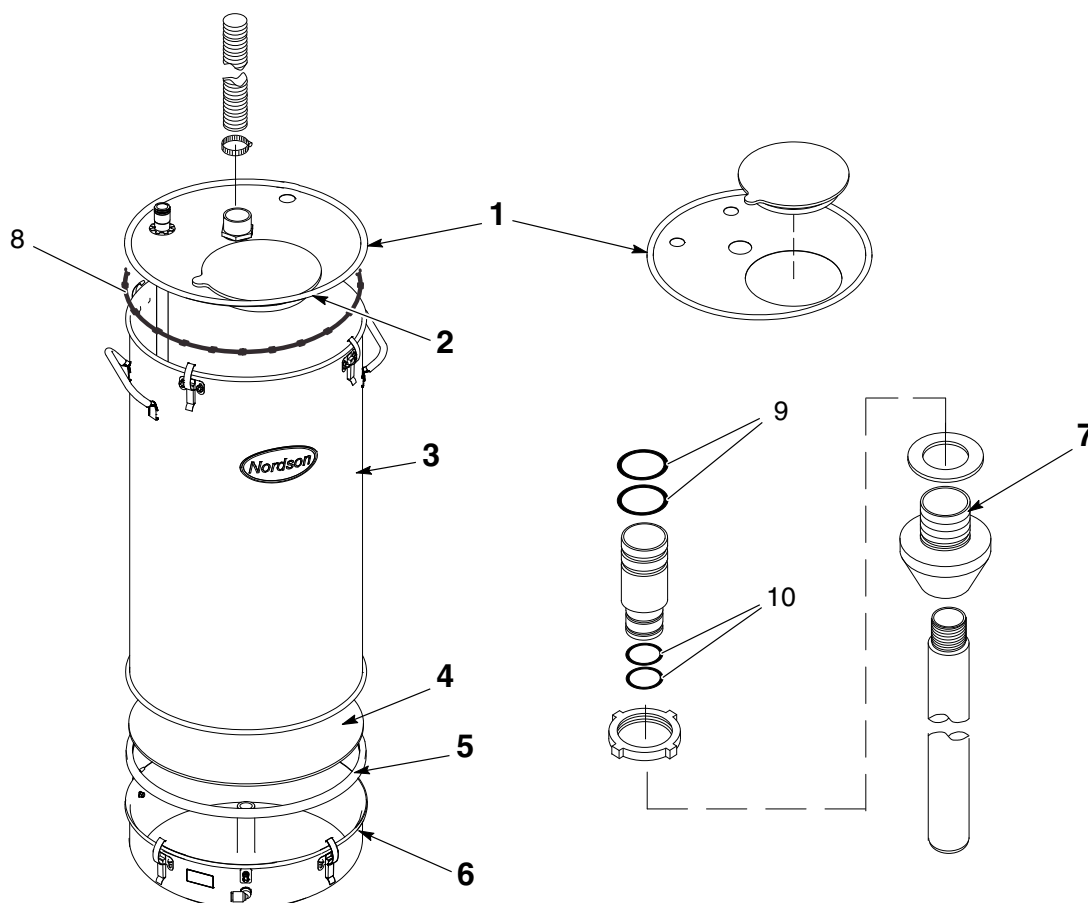


Fig. 37

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				
7	163556	• Tube, pickup, 80 lb packaged				
-	165633	• Pump, transfer	1	Fig.38		
-	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			

Metric Powder Transfer Pump

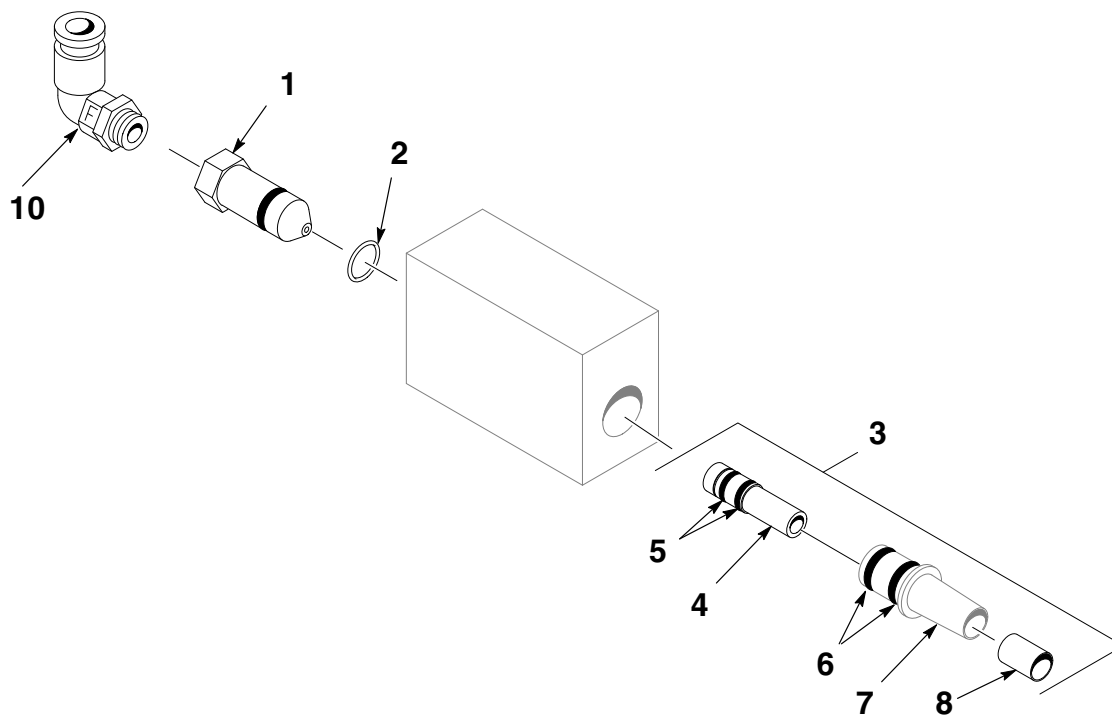


Fig. 38

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			

Transformer 400V / 230V

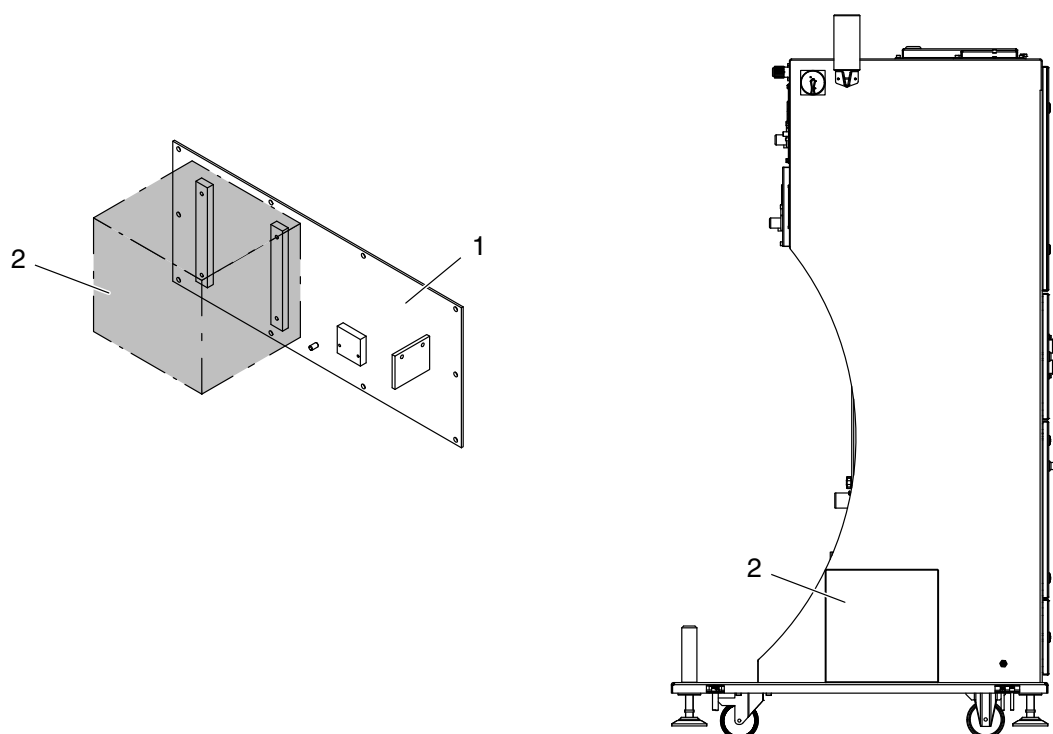


Fig. 39

Item	Part	Description	Quantity	Note	Box	Code
-	7153123	Kit-INST Trafo 400VAC 3Ph Δ ECC701	1		12 10	C 1,2
1	7114999	• Assembly plate	1			
2	260814	• Transformer 400V/230V 1000VA	1			
-	254682	• Allan head cap screw M6x12 DIN912	4			
-	250095	• Washer D6,4 DIN125	4			

Item	Part	Description	Quantity	Note	Box	Code
2	260814	Transformer 400V/230V 1000VA (without box)	1		12 10	C 3,4

Transformer 480V / 230V

Item	Part	Description	Quantity	Note	Box	Code
-	1087087	TRANSFORMER,ECC701,480 / 240V 3PH,3K	1	USA only		

Cable Cleaning Exhaust

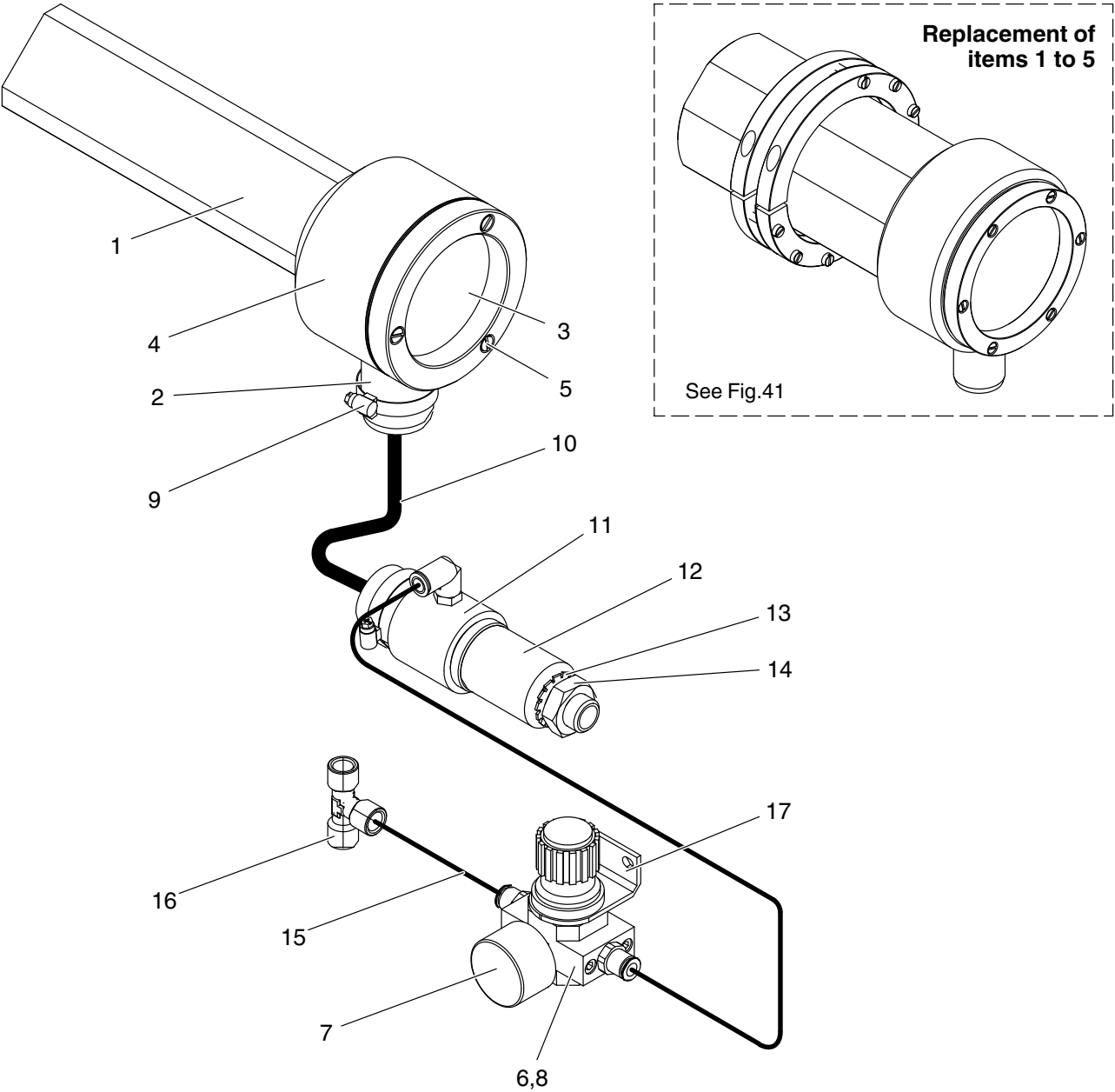


Fig. 40

Item	Part	Description	Quantity	Note
-	7130056	Cable cleaning exhaust 40 mm compl. max. wire dia. 30 mm	1	Order P/N 7130091 for replacement of items 1 to 5
-	7130309	Cable cleaning exhaust 100 mm compl. max. wire dia. 80 mm	1	Order P/N 7130310 for replacement of items 1 to 5

Cable Cleaning Exhaust - Replacement

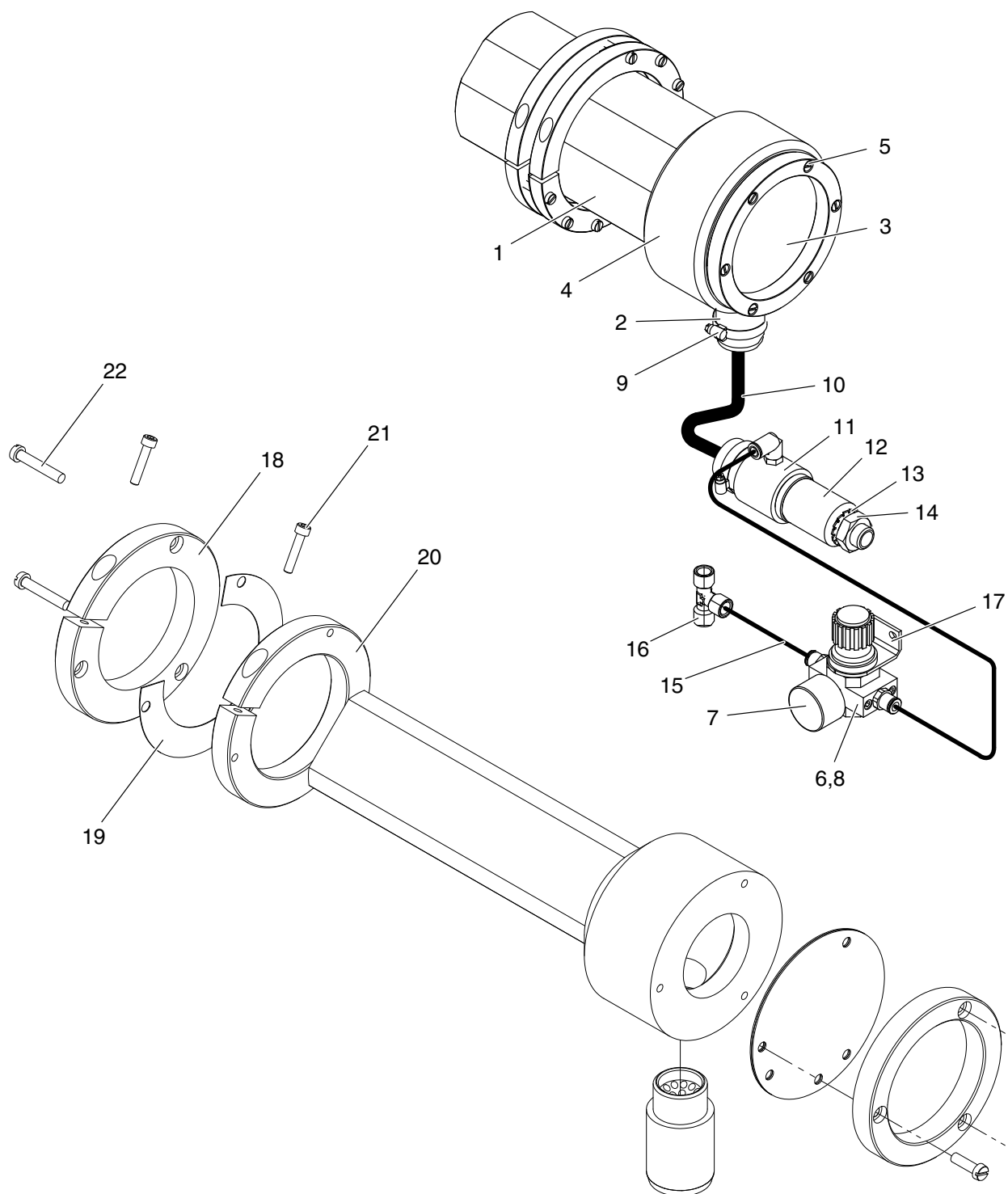
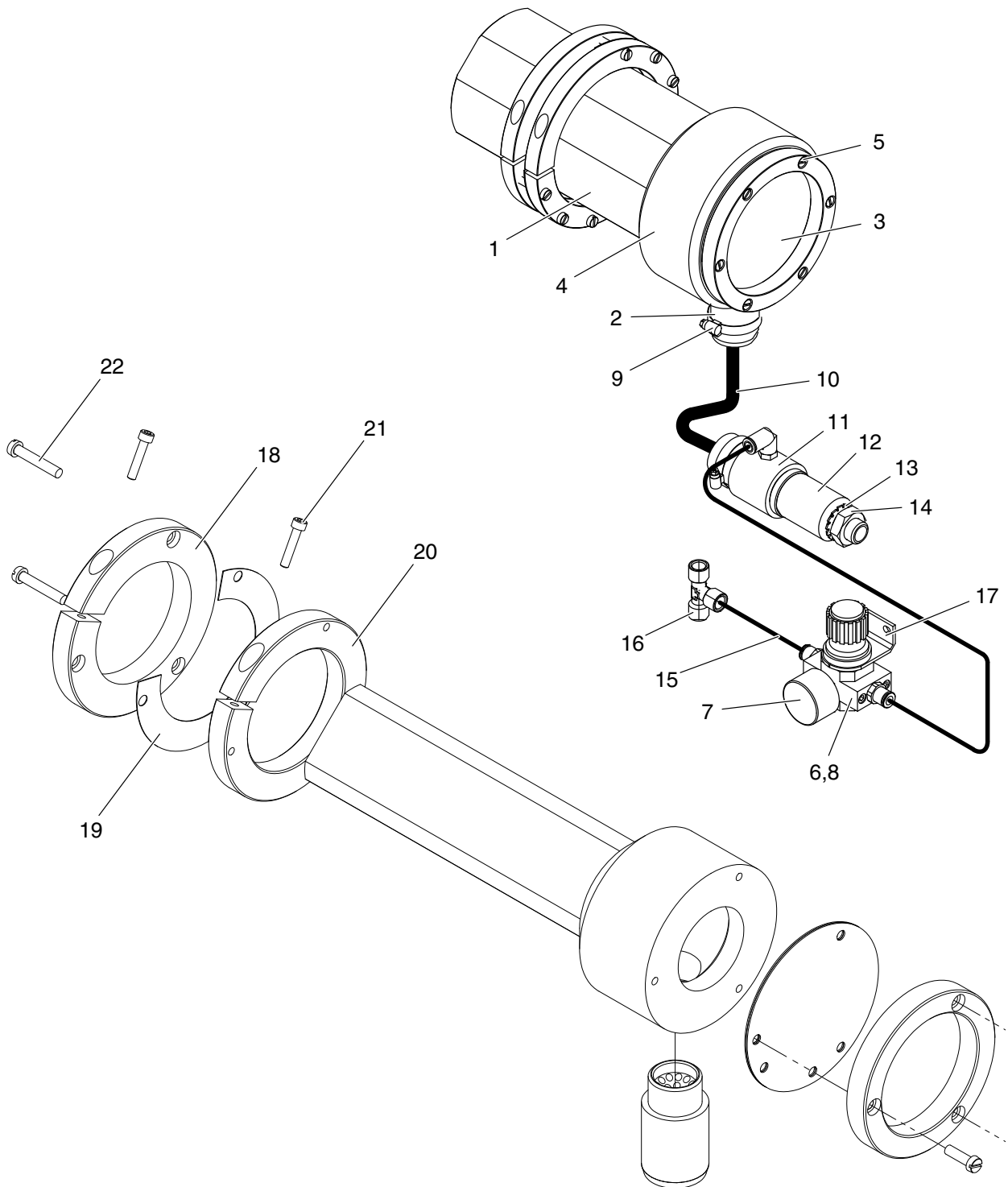


Fig. 41

Item	Part	Description	Quantity	Note	Box	Code
-	7130056	Cable cleaning exhaust 40 mm compl. <i>max. wire dia. 30 mm</i>	1			
1	-----	• Suction pipe	1			
2	-----	• Suction tube	1			
3	-----	• Silicone cover	1	7130077		
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			
17	-	• <i>not used</i>	-			
18	7130361	• Clamping flange inside; Di80	1			
19	7130881	• Spacer Di 80 mm	1			
20	7130880	• Clamping flange outside; Di80	1			
21	254680	• Allan head cap screw M5x25 DIN912 SST	2			
22	7130885	• Pan head screw M6x35 PA-nature acc.DIN84	3			



Item	Part	Description	Quantity	Note	Box	Code
-	7130309	Cable cleaning exhaust 100 mm compl. <i>max. wire dia. 80 mm</i>	1			
1	-----	• Suction pipe	1			
2	-----	• Suction tube	1			
3	7130188	• 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			
18	7130887	• Clamping flange in., Di125	1			
19	7130888	• Spacer Di125	1			
20	7130886	• Clamping flange out Di125	1			
21	254680	• Allan head cap screw M5x25 DIN912 SST	2			
22	7130885	• Pan head screw M6x35 PA-nature acc.DIN84	9			

Reduced Powder Contact

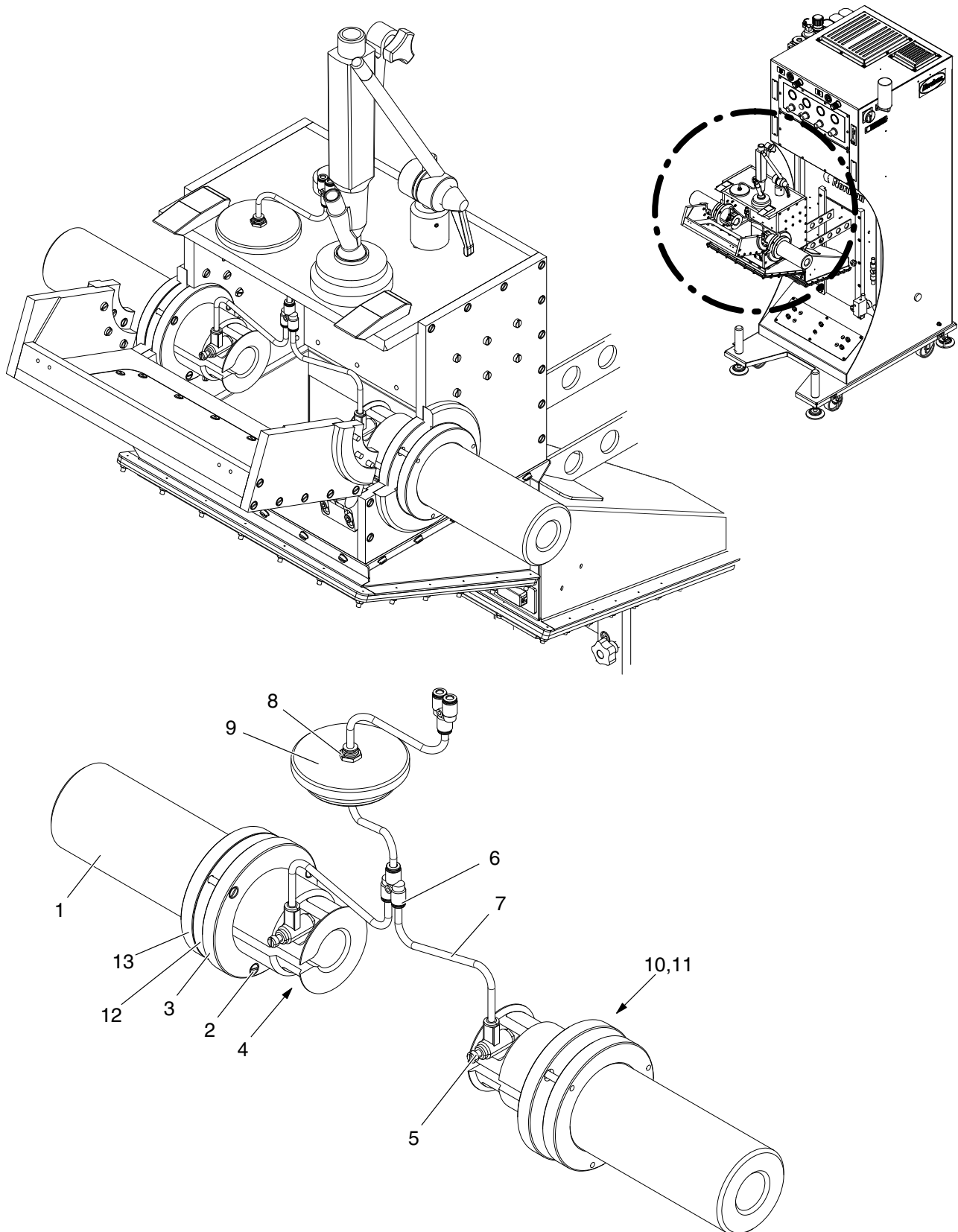


Fig. 42 7153482

Item	Part	Description	Quantity	Note	Box	Code
-	7153482	KIT INS Reduced Powder Contact	1			
1	7130364	• Shield pipe	2			
	7130362	• • Filter half pipe	2			
2	7130885	• Pan head screw M6x35 PA-nature	6			
3	7130361	• Clamping flange	2			
4	412416	• Screw plug R1/8 DIN908 SST	2			
5	317824	• Non-return restrictor valve GRLA-1/8-B	2			
	267422	• Double nipple aR1/8-aR1/8 L27 NW6	2			
	413534	• Fitting iRp1/8-iRp1/8 L15	2			
	400003	• Plug-type thread-in ftg.-G-D06-R1/8-0000	2			
6	418507	• Plug-type thread fitting -Y-D06-D06-CONN	2			
7	447850	• Air hose D6,0 d4,0 red	2 m			
8	448456	• Plug-type thread fitting -G-D06-D06-BHD	1			
9	7130366	• Locking cover,spray chamber ECC700 compl	1			
10	254680	• Allan head cap screw M5x25 DIN912 SST	4			
11	255264	• Washer D5,3 DIN125 type A	4			
12	7130881	• Spacer Di 80 mm	2			
13	7130880	• Clamping flange outside Di80	2			

Powder Flow Monitoring (PFM)

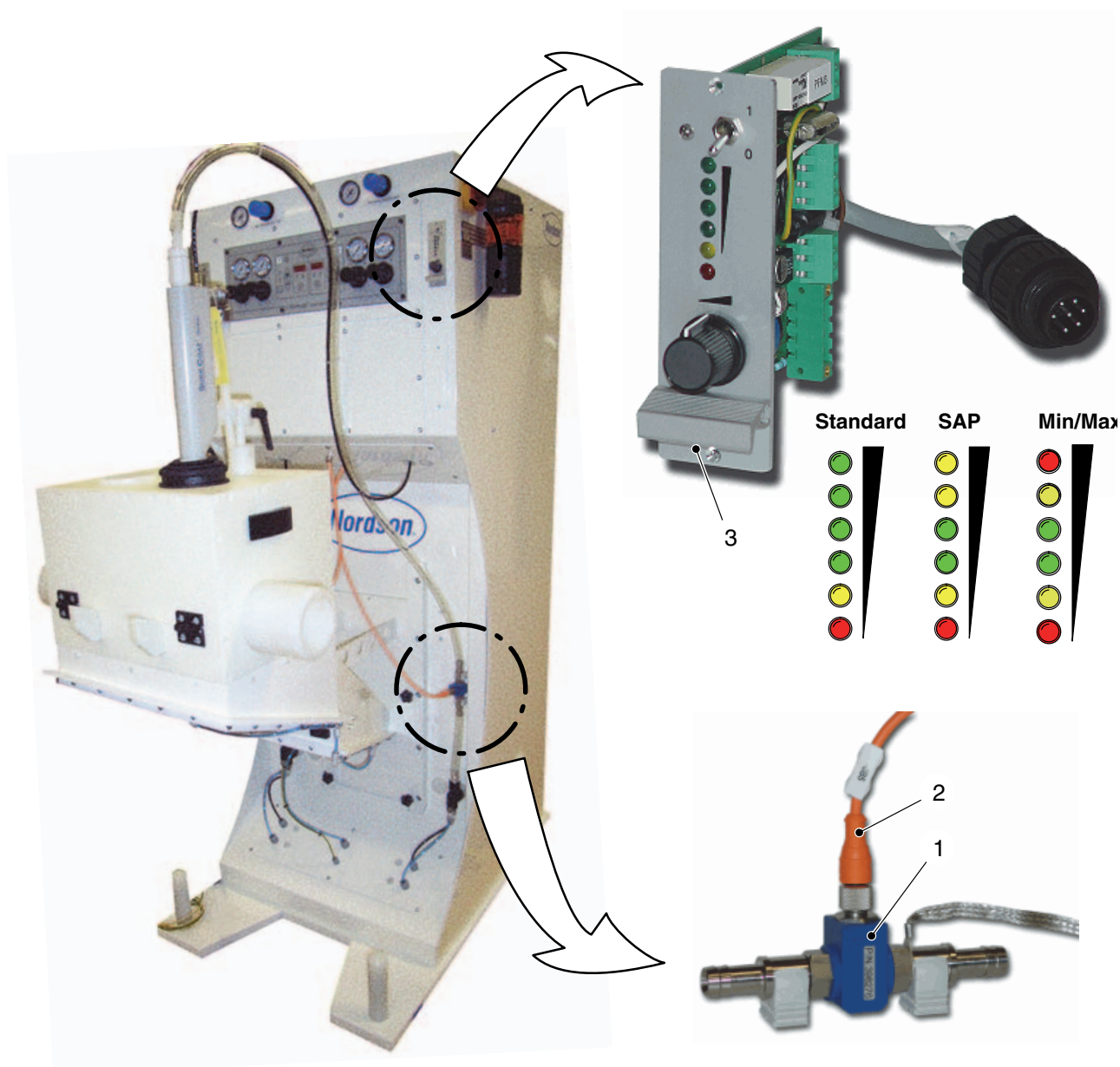


Fig. 43

Item	Part	Description	Quantity	Note	Box	Code
-	7114898	KIT PFM (Powder Flow Monitoring)	1		13	P
1	398276	• Inline-current controller (sensor)	1			
2	398277	• Connection cable (sensor to monitoring)	1			
3	7114430	• Flow rate monitoring <i>Min</i>	1	Standard		
-	7159564	KIT PFM (Powder Flow Monitoring)	1		13	#
1	398276	• Inline-current controller (sensor)	1			
2	398277	• Connection cable (sensor to monitoring)	1			
3	7161539	• Flow rate monitoring <i>Min</i>	1	SAP		

Powder Flow Monitoring w/ 2 Potentiometers

Item	Part	Description	Quantity	Note	Box	Code
-	7149666	KIT PFM-min/max	1		13	#
1	398276	• Inline-current controller (sensor)	1			
2	398277	• Connection cable (sensor to monitoring)	1			
3	7163905	• Flow rate monitoring <i>Min / Max</i>	1			
-	7132934	Kit-INST PFC ECC701	1		13	#
1	398276	• Inline-current controller (sensor)	1			
2	398277	• Connection cable (sensor to monitoring)	1			
3	7137098	• Recognition unit,flow switch Min_Max	1			

Kit Interface XS2

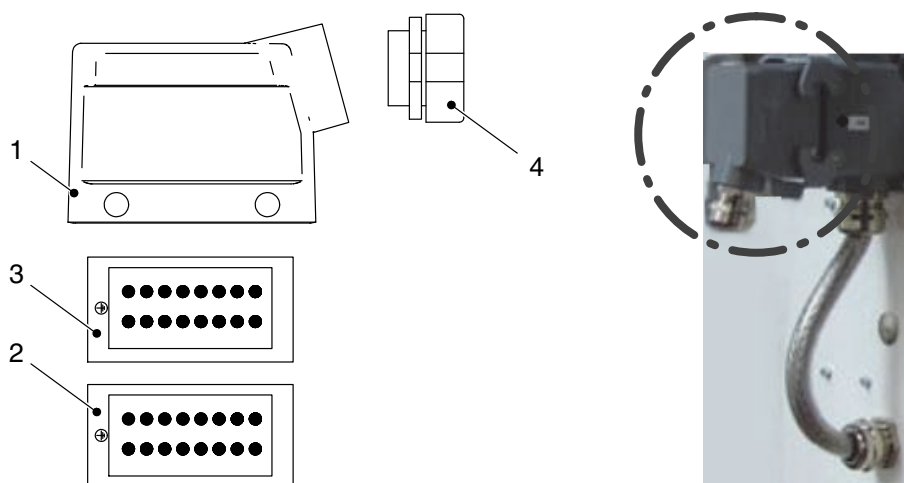


Fig. 44

Item	Part	Description	Quantity	Note	Box	Code
-	7158978	Interface XS2 Kit	1			
1	-----	• Bush housing HAN32A 32-pole 16A M25	1			
2	-----	• Plug insert HAN16A 16-pole 16A 250V	1			
3	-----	• Plug insert HAN32A 16-pole 16A 250V	1			
4	-----	• Conduit connection,metal M25	1			
-	-----	• Wire (jumper)	10	A		
NOTE A: Place the wire jumpers as shown in the wiring diagram and according to the specification of the cable coater						

Kit Key-To-Line

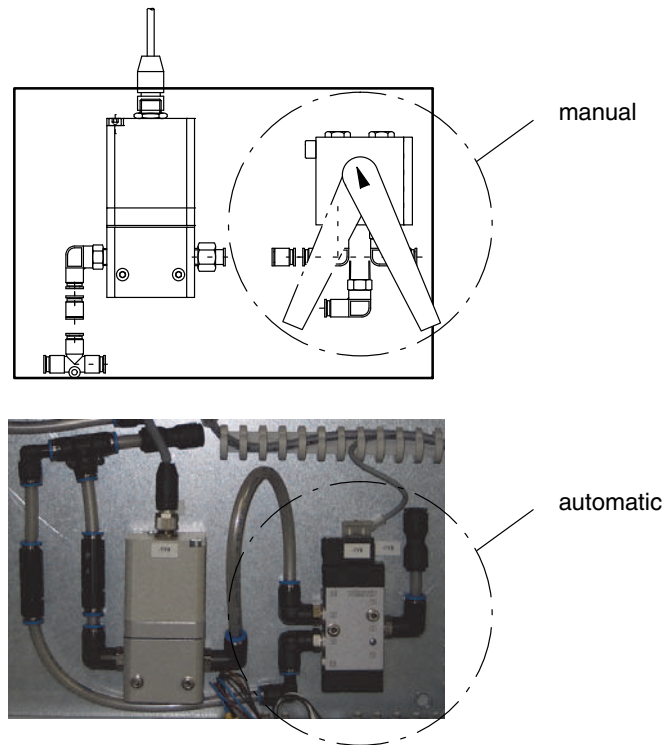


Fig. 45

Item	Part	Description	Quantity	Note	Box	Code
Fig. 45	7141163	Kit-INST pneumatic Key to Line ECC701	1	manual	16+17	KC,KX
-	on request	Kit-INST	1	auto		

Kit Filter Cleaning

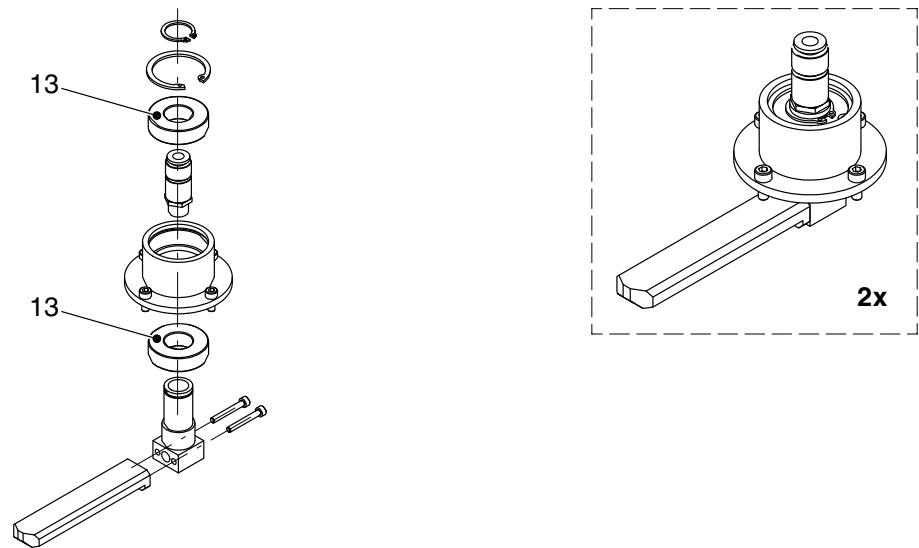


Fig. 46 P/N 398447

Item	Part	Description	Quantity	Note	Box	Code
-	7163345	Kit-SVC filter lamellar cleaning P/N 398447	1	Fig.3		
-	-----	• Spacer, lamellar cleaning	2			
-	-----	• Fitting, lamellar cleaning	2			
13	-----	• Grooved ball bearing	4			
-	-----	• Circlip bore D42 DIN472	4			
-	-----	• Circlip shafts D20 DIN471	4			
-	-----	• Allan head cap screw M4x35 DIN912	4			
-	-----	• Allan head cap screw M5x12 DIN912	8			

Standard (Low Flow) Volume Kit / High Volume Kit

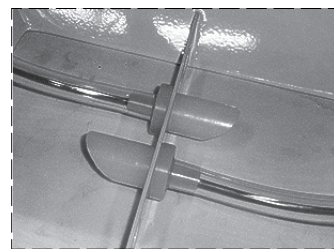
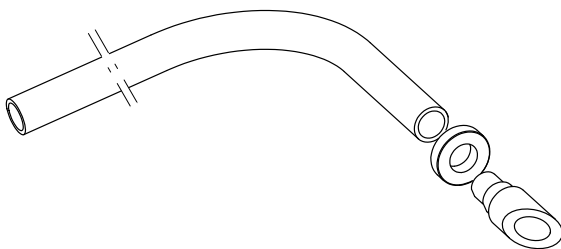


Fig. 47

Item	Part	Description	Quantity	Note	Box	Code
-	398692	High volume kit	1			
-	7149061	Standard volume kit	1			

Pump Adapter, Standard (Low Flow) / High Flow

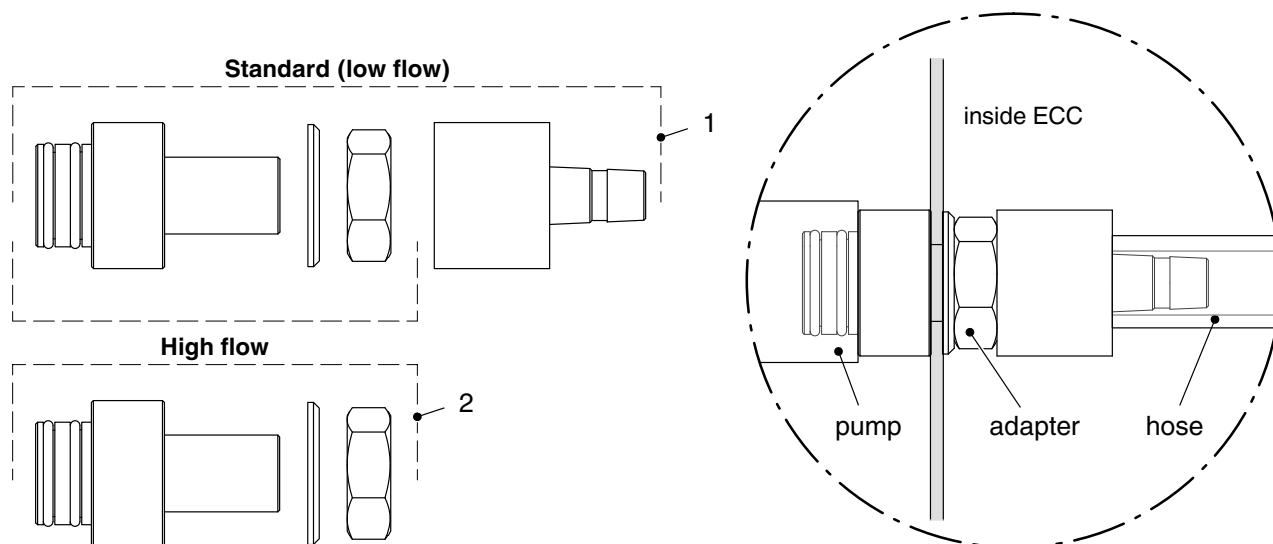


Fig. 48

Item	P/N	Description	Quantity	Note	Box	Code
1	7114984	Adapter, pump, low flow (standard flow)				
2	7149118	• Adapter, pump, high-flow				

Hinges, Handles, Turnbuckles and Keys

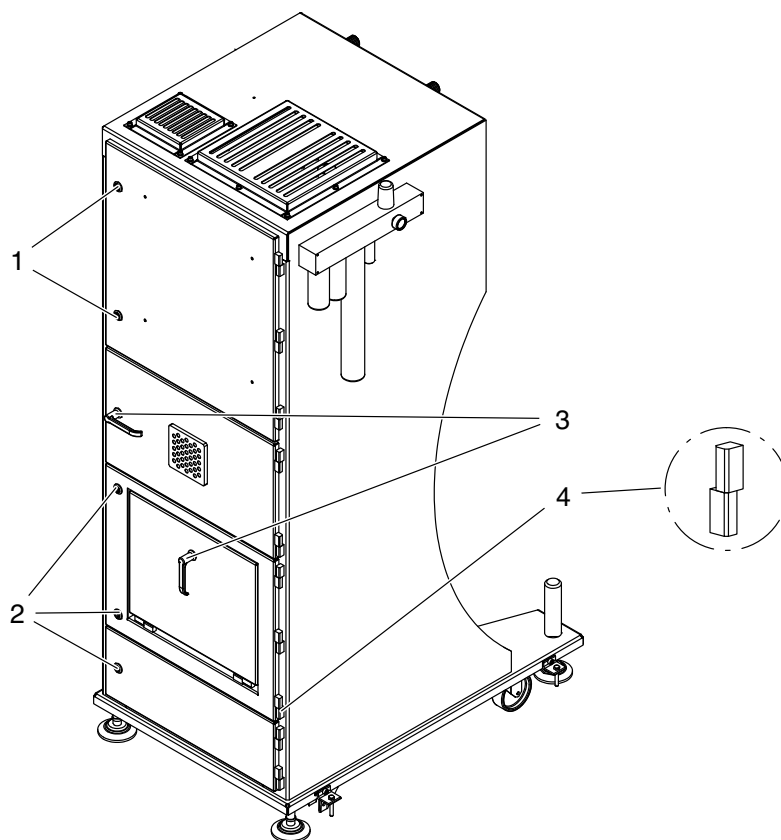
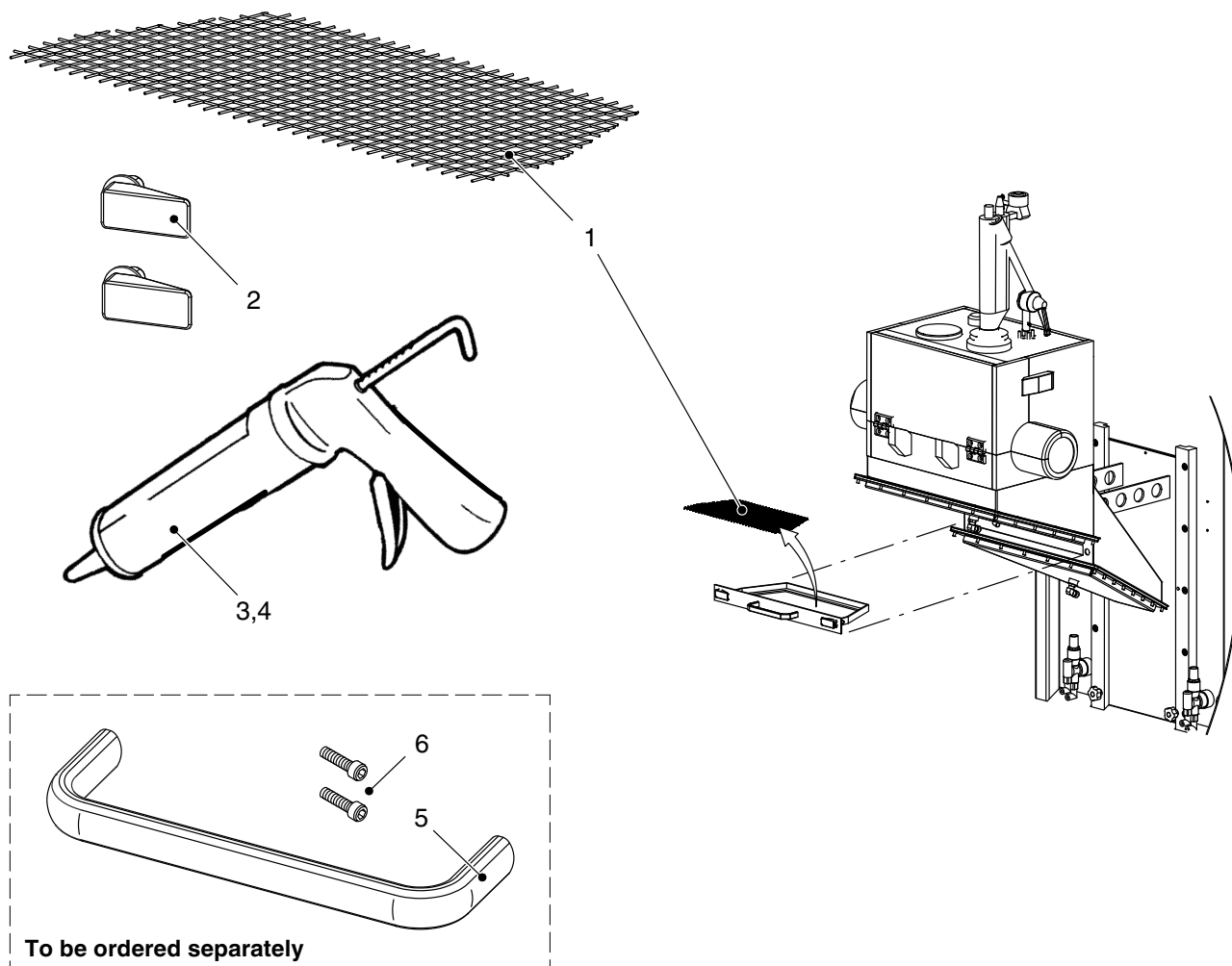


Fig. 49

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			
4	398064	Hinge, complete	1	for all doors		

Filter Screen



Item	Part	Description	Quantity	Note	Box	Code
-	7170490	Service kit (for sieve drawer 7130215)				
1	-----	• Filter screen	1			
2	-----	• Lock	2			
3	-----	• Cartridge gun	1			
4	-----	• Sealant Sikaflex	1			

Item	Part	Description	Quantity	Note	Box	Code
5	7115937	Bow-type handle	1			
6	7134341	Allan head cap screw M5x12	2			

Star Grip Replacement (Filter Cover)

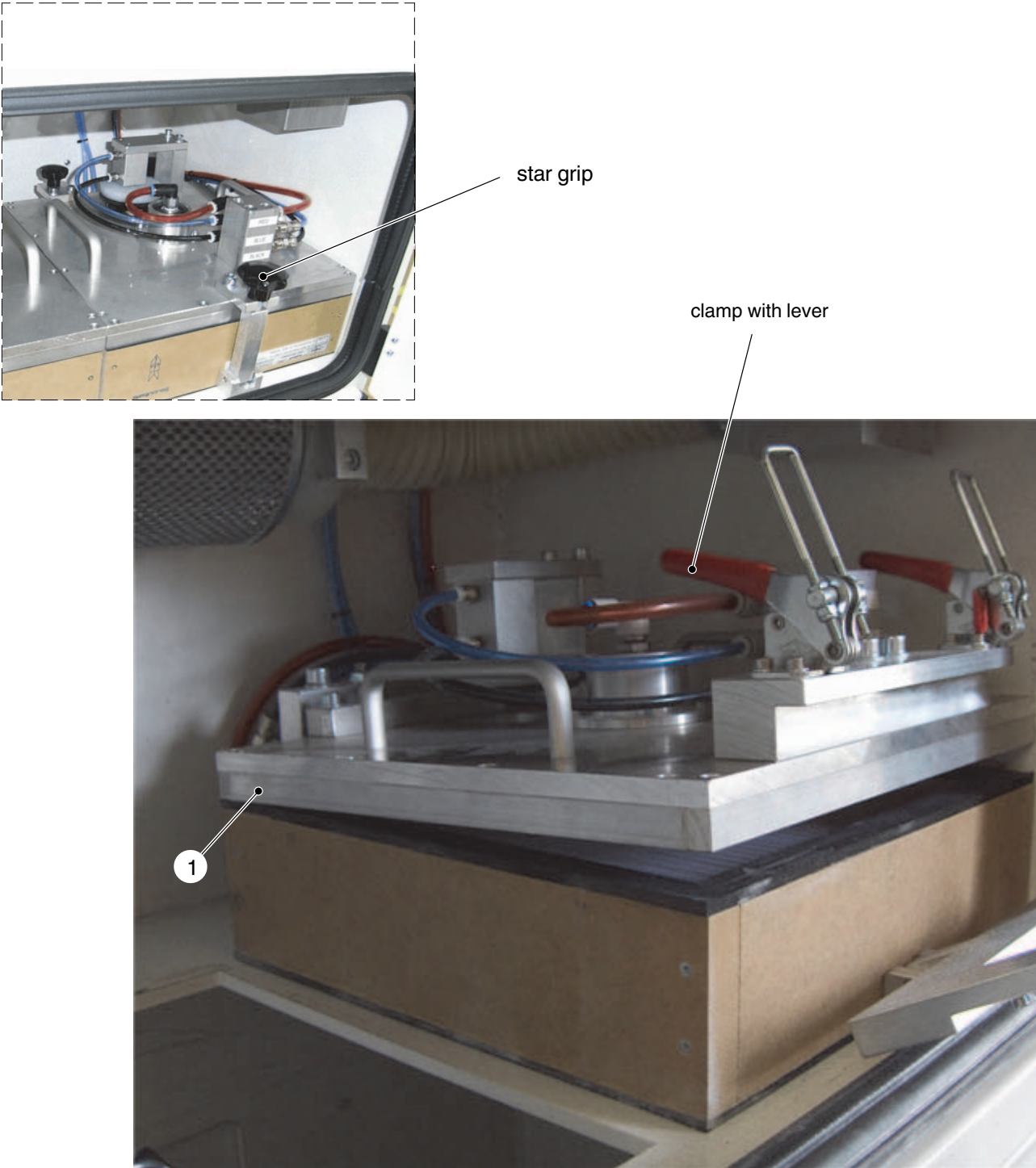
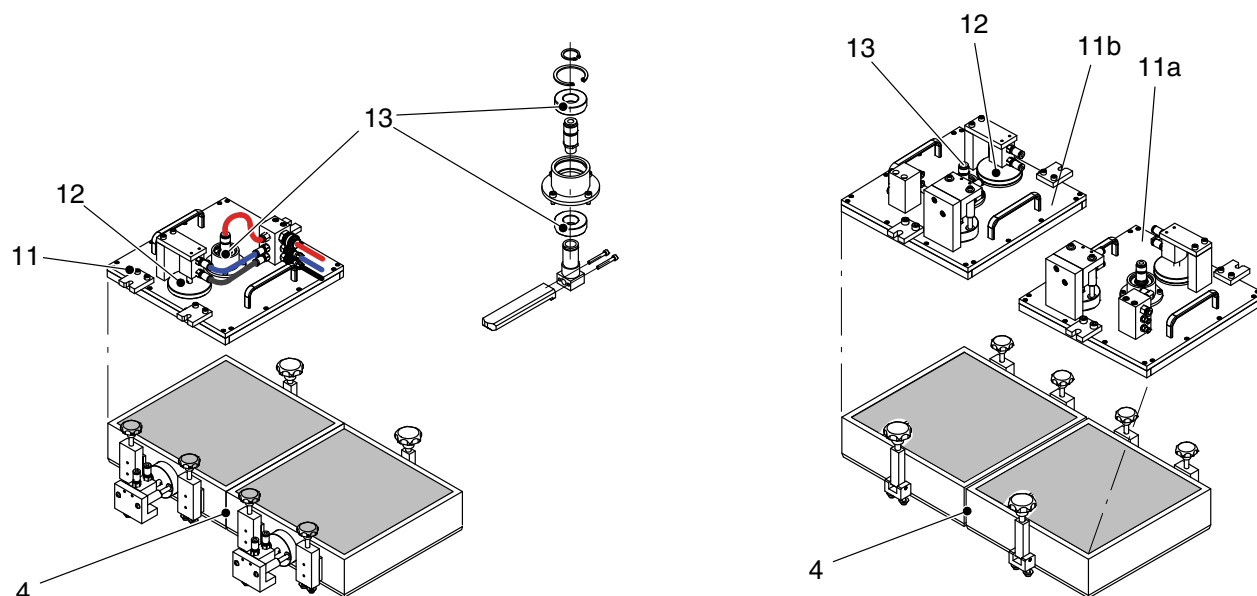


Fig. 50

Item	Part	Description	Quantity	Note	Box	Code
-	7170791	Service Kit	1	A		

NOTE A. Lid (1, Fig. 50) will be reused.

Filter Cleaning Parts (Star Grips) - OLD



OLD: Beater on the back

NEW: Beater on top (Standard > 01/2010)

Fig. 51

Item	Part	Description	Quantity	Note	Box	Code
4	7149102	• Filter compl. - <i>replaces 789639</i>	1			
	398038	• • • Pneumatic cylinder <i>Beater</i>	2			
	398025	• • Main filter cassette - <i>replaced by 7198475</i>	2			
	395593	• • Star grip D50 AM10 L40	2			
	398024	• • Star grip D40 aM8 L40	4			
11a	7149107	• Filter 1 cover - <i>replaces 398446</i>	1			
11b	7149105	• Filter 2 cover - <i>replaces 7149109</i>	1			
12	398038	• • • Pneumatic cylinder <i>Blocking flap</i>	2			
13	398519	• • • Grooved ball bearing	4			

Main Filter Cassette Seals

Item	Part	Description	Quantity	Note	Box	Code
-	7153690	KIT Seals (& instruction sheet)	1	4, Fig.3		
-	-----	• Seal, 5 mm (for air intake AND clean air side)	4			

Filter Cleaning Upgrade

Item	Part	Description	Quantity	Note	Box	Code
-	7155639	KIT Retrofitting OLD-NEW & Maintenance (& instruction sheet)	1	A		
-	7163345	Kit-SVC filter lamellar cleaning P/N 398447	1	Fig. 46		

NOTE A: P/N 7163345 to be ordered separately