

# OptiFlex<sup>®</sup>2

## Part Identification

For The Following:

- OptiFlex2 B (Box) Unit
- OptiFlex2 F (Fluidized) Unit
- OptiFlex2 W (Wall) Unit
- Control Unit (CG09)
- Gun (GM03)
- Pump (IG06)



**Note:**

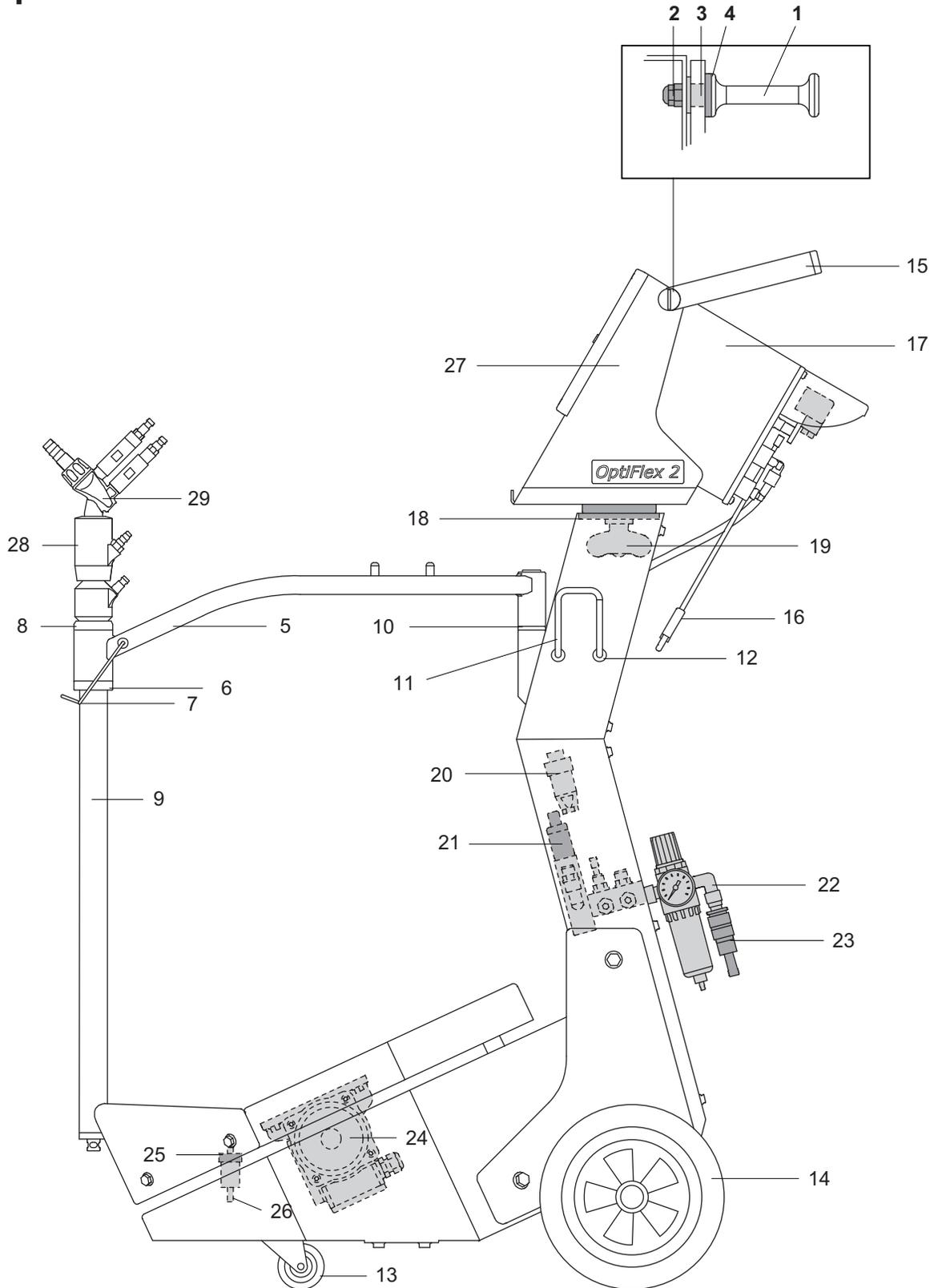
- All other parts identification documentation is found in the Gema OptiFlex2 Service Manual.
- This document is intended for authorized service and sales personnel.

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## OptiFlex 2 B

1	Gun holder	1007 076
2	Lock nut M6	1003 822
3	Sliding ring Ø 12/14x9 mm	1008 043
4	Washer Ø 13/24x2.5 mm	263 133
5	Swivel arm - complete (incl. pos. 6, 7 and 8)	1007 122
6	Lock nut M36x1.5 mm	1007 095
7	Retaining bracket	1008 083
8	Guide sleeve	1007 094
9	Fluidizing/suction unit - Ø 30 mm, L=575 mm - (see corresponding Spare parts list)	1007 509
10	Bearing bush	1002 046
11	Hose holder	1007 109
12	Hexagon shakeproof nut M6	244 430
13	Swivel wheel - Ø 50 mm	260 606
14	Rubber wheel - Ø 200 mm	260 592
15	Handle	1007 075
16	Grounding cable - complete	301 140
17	CG09 Gun control unit - complete (see corresponding Spare parts list)	
18	Rotary plate	1007 091
19	Wing nut - M10	1008 045
20	Connection plug - 4 pins, male	206 466
21	PowerClean air valve cable	1005 522
22	Pneumatic group - complete - (see corresponding Spare parts list)	
23	Quick release connection - NW7.8 - Ø 10 mm	239 267
24	Vibrator - 220-240 V, 50 Hz 1,4 M	1008 919
	Vibrator - 110 V, 50 Hz 1,4 M	1008 920
	Vibrator - 120 V, 60 Hz 1,4 M	1008 921
25	Spacing ring	375 624
26	Rubber damper - Ø 20x25 mm, M6/2a, 43sh	246 000
27	Control unit support	1007 085
28	PowerClean module - complete (see corresponding Spare parts list)	
29	IG06 injector - complete (see corresponding Spare parts list)	

# OptiFlex 2 B



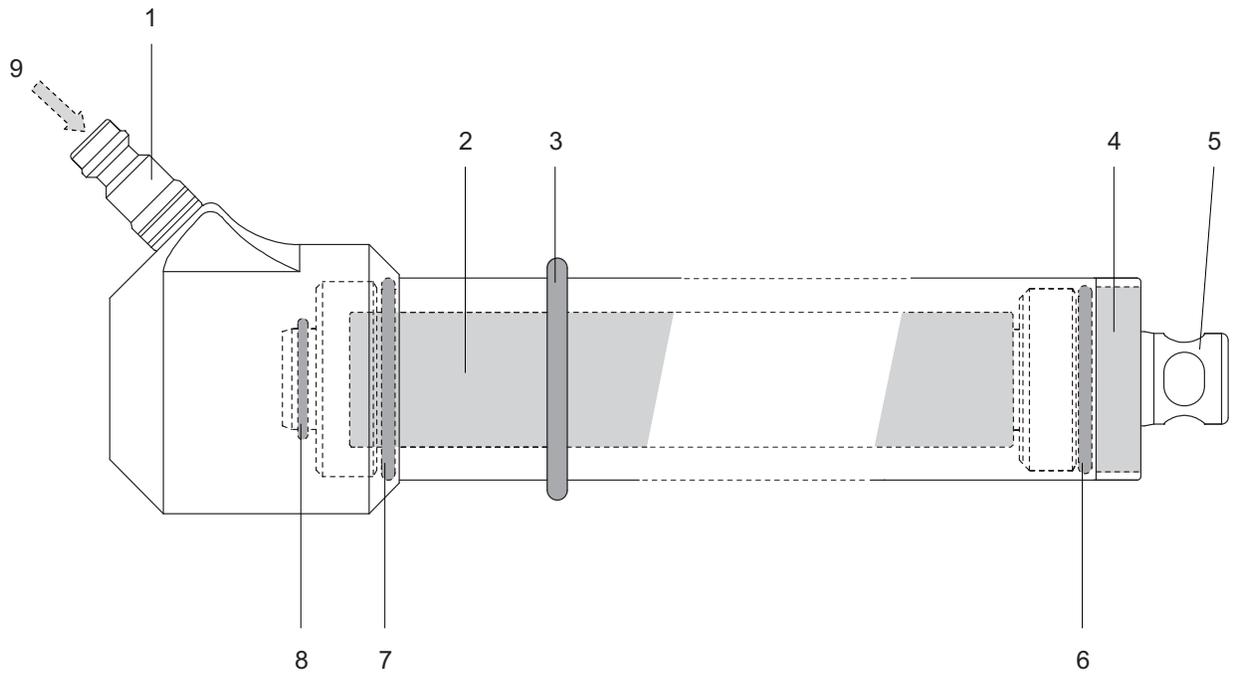
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## OptiFlex 2 B - Fluidizing/suction unit

	Fluidizing/suction unit - complete (pos. 1 - 8)	1007 509
1	Connector / Flow restrictor 0.3 mm	1006 556
2	Internal tube - L = 575 mm	1007 516
	Internal tube - L = 545 mm	1008 843
3	O-ring	1007 121#
4	Fluidizing ring	1007 514#
5	Foot piece	1007 511
6	O-Ring Ø 24x2 mm	230 480
7	O-Ring Ø 26x2 mm	246 549
8	O-Ring Ø 15x1.5 mm	261 564
9	Pneumatic connection for fluidizing air - complete (incl. Pos. 9.1, 9.2 and 9.3)	
9.1	Quick release connection - NW5, Ø 6 mm	200 840
9.2	Nut with kink protection - M10x1 mm, Ø 6 mm	201 308
9.3	Plastic tube - Ø 6/4 mm, black	1001 973*

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## OptiFlex 2 B - Fluidizing/suction unit

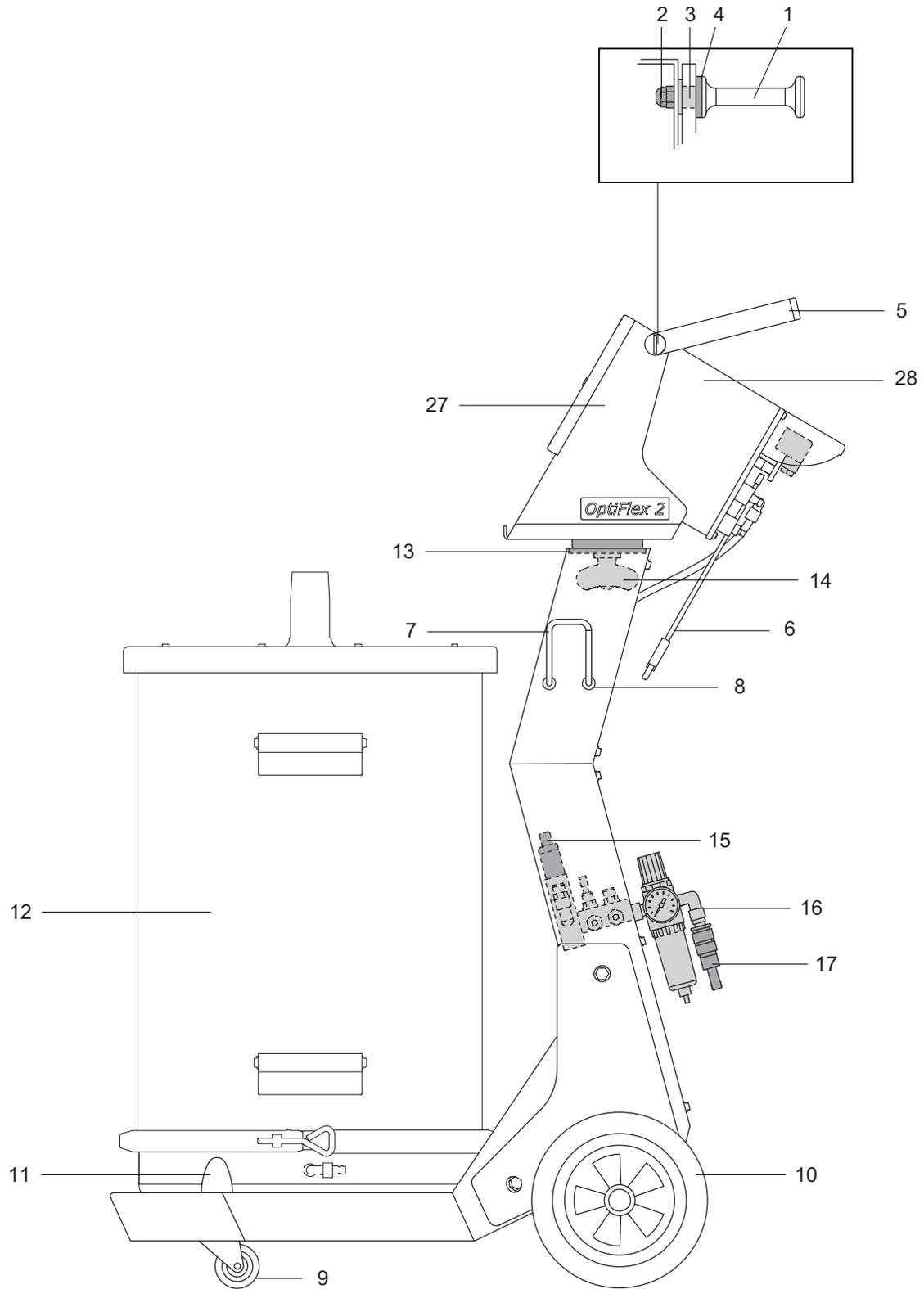


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## OptiFlex 2 F

1	Gun holder	1007 076
2	Lock nut M6	1003 822
3	Sliding ring Ø 12/14x9 mm	1008 043
4	Washer Ø 13/24x2.5 mm	263 133
5	Handle	1007 075
6	Grounding cable - complete	301 140
7	Hose holder	1007 109
8	Hexagon shakeproof nut M6	244 430
9	Swivel wheel - Ø 50 mm	260 606
10	Rubber wheel - Ø 200 mm	260 592
11	Rubber stop - Ø 35x40-M8/a 55SH	211 664
12	Powder hopper HF04 - complete (see corresponding Spare parts list)	1007 130
13	Rotary plate	1007 091
14	Wing nut - M10	1008 045
15	PowerClean air valve cable	1005 522
16	Pneumatic group - complete (see corresponding Spare parts list)	
17	Quick release connection - NW7.8 - Ø 10 mm	239 267
27	Control unit support	1007 085
28	CG09 Gun control unit - complete (see corresponding Spare parts list)	

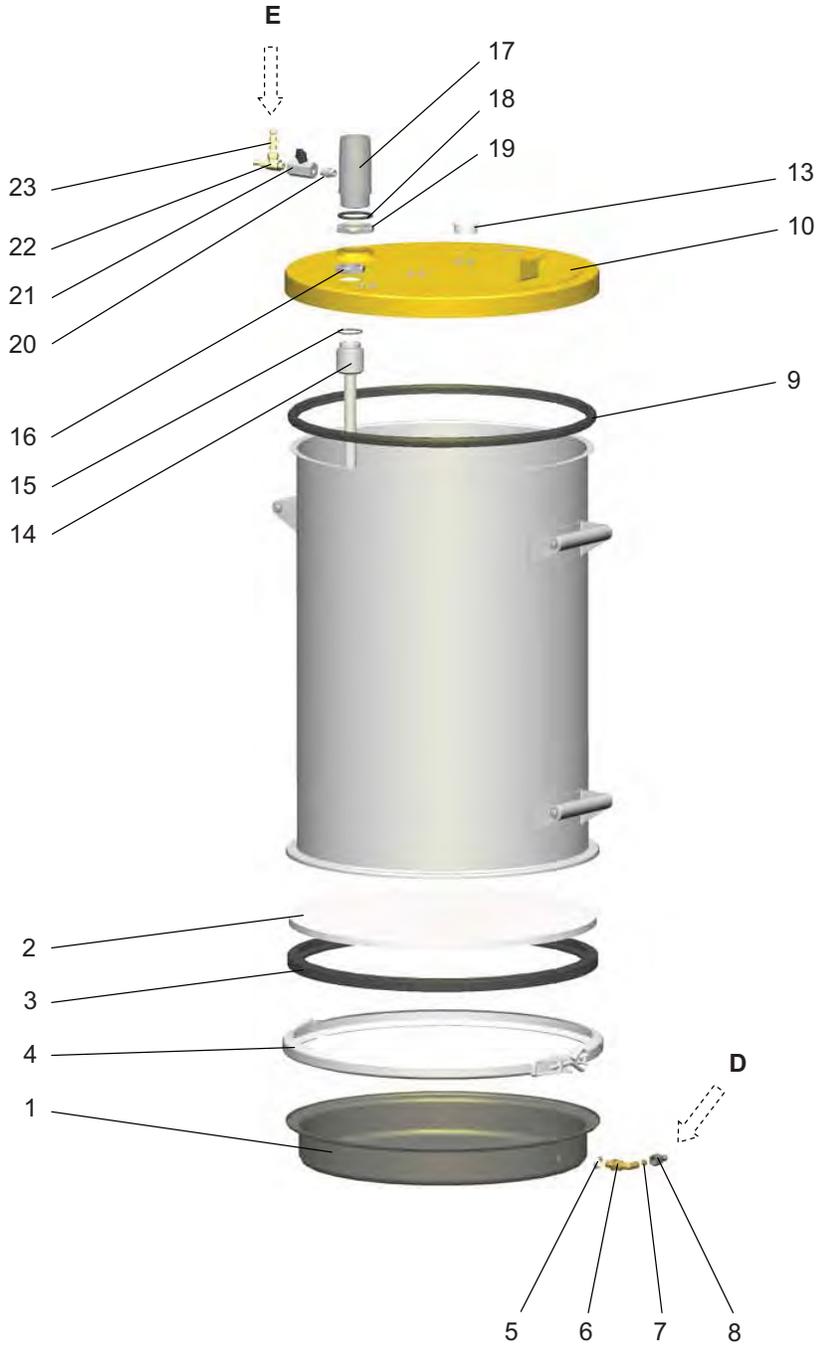
# OptiFlex 2 F



## OptiFlex 2 F - Powder hopper HF04

<b>A</b>	<b>Powder hopper HF04 - complete</b>	<b>1007 130</b>
<b>B</b>	<b>Bottom section - complete (incl. pos. 1-9)</b>	<b>1007 128</b>
1	Bottom plate	<b>1007 129</b>
2	Fluidizing plate	390 151#
3	Fluidizing plate gasket	390 186
4	Clamp ring	390 194
5	Sealing ring - Ø 10.2/17x3.8 mm	230 626
6	Elbow screw connection - 1/8"a-1/8"a	1001 079
7	Flow restrictor - Ø 1.4 mm	371 912
8	Connector - NW5, 1/8"i	200 859
9	Protective strip	103 837
10	Hopper cover - complete	1001 648
	Spiral hose - Ø 40/45 mm, for pos. C (not shown)	100 048*
13	Blind grommet - Ø 36x12 mm	238 333
14	Suction tube - complete, L=504 mm (incl. pos. 15)	339 130
15	O-ring - Ø 28.3x1.78 mm	224 987
16	Locknut - PG21	234 869
<b>C</b>	<b>Venting tube (Airmover) - complete (incl. pos. 17-23)</b>	<b>1002 043</b>
17	Venting tube	375 845
18	O-ring - Ø 38x4 mm	239 151
19	Locknut	342 343
20	Double nipple - 1/8"a-1/8"a	202 258
21	Ball valve	260 967
22	Throttle valve - 1/8"a-1/8"a	1002 127
23	Connector - NW5-1/8"a	237 272
<b>D</b>	<b>Fluidizing air pneumatic connection - complete (not shown), consisting of:</b>	
	Quick release connection - NW5, Ø 6 mm	200 840
	Plastic tube - Ø 6/4 mm, black	1001 973*
	Nut with kink protection - M10x1 mm, Ø 6 mm	201 308
<b>E</b>	<b>Airmover air pneumatic connection - complete (not shown), consisting of:</b>	
	Plastic tube - Ø 8/6 mm, black	103 756*
	Quick release connection - NW5, Ø 8 mm	203 181

# OptiFlex 2 F - Powder hopper HF04

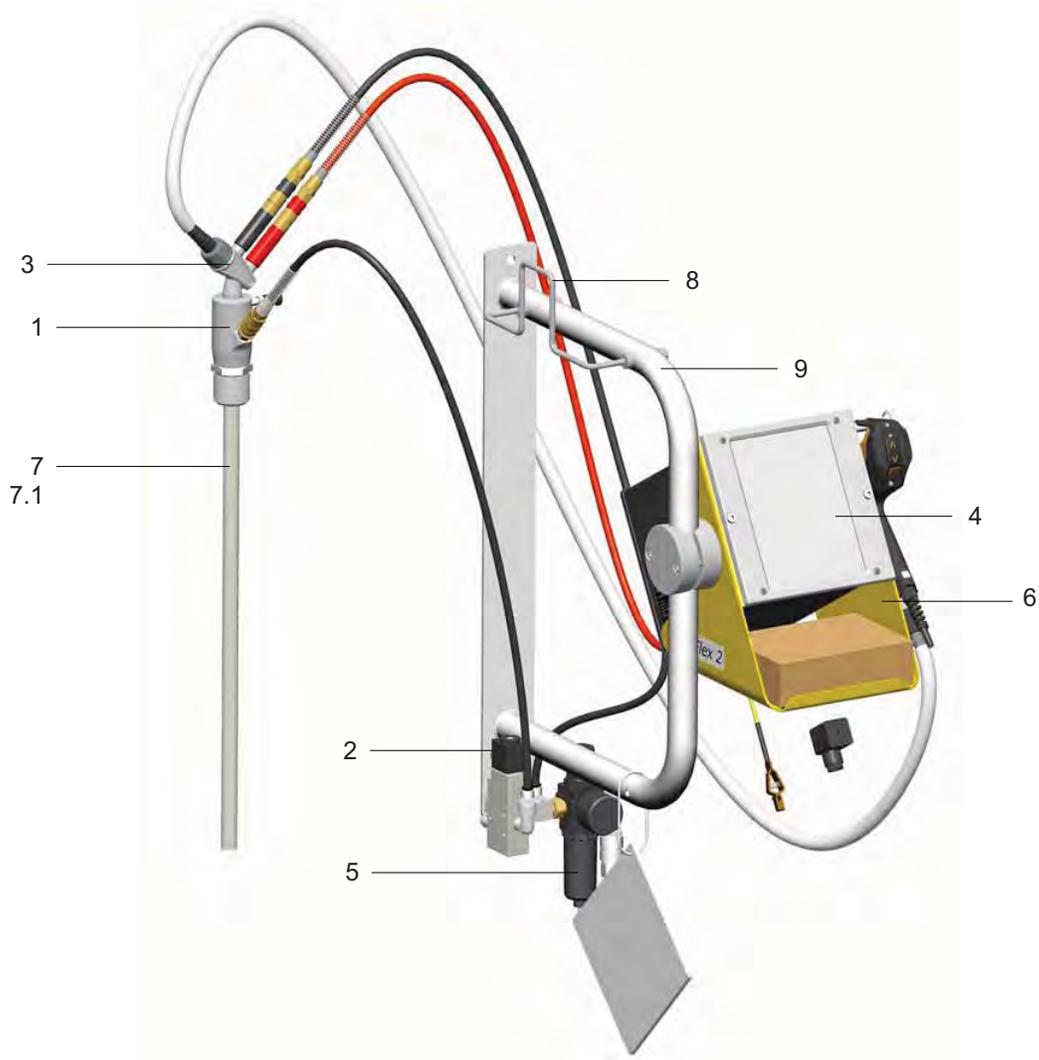


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## OptiFlex 2 W

1	PowerClean module - complete (see corresponding Spare parts list)	
2	PowerClean air valve cable	1005 522
3	IG06 injector - complete (see corresponding Spare parts list)	
4	CG09 Gun control unit - (see corresponding Spare parts list)	
5	Pneumatic group (see corresponding Spare parts list)	
6	Control unit support - complete (see corresponding Spare parts list)	
7	Suction tube - complete, L=504 mm (incl. pos. 7.1)	339 130
7.1	O-ring - Ø 28.3x1.78 mm	224 987
8	Hose holder	382 060
9	Wall bracket	1008 207

# OptiFlex 2 W



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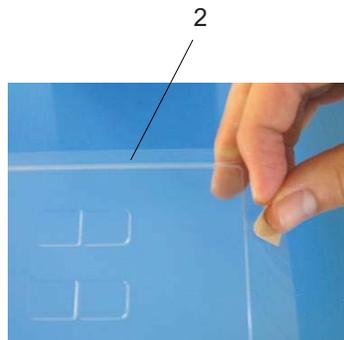
## OptiFlex 2 CG09 manual gun control unit

1	OptiFlex 2 CG09 manual gun control unit - complete	1007 018
2	Cover	1008 301

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## OptiFlex 2 CG09 manual gun control unit



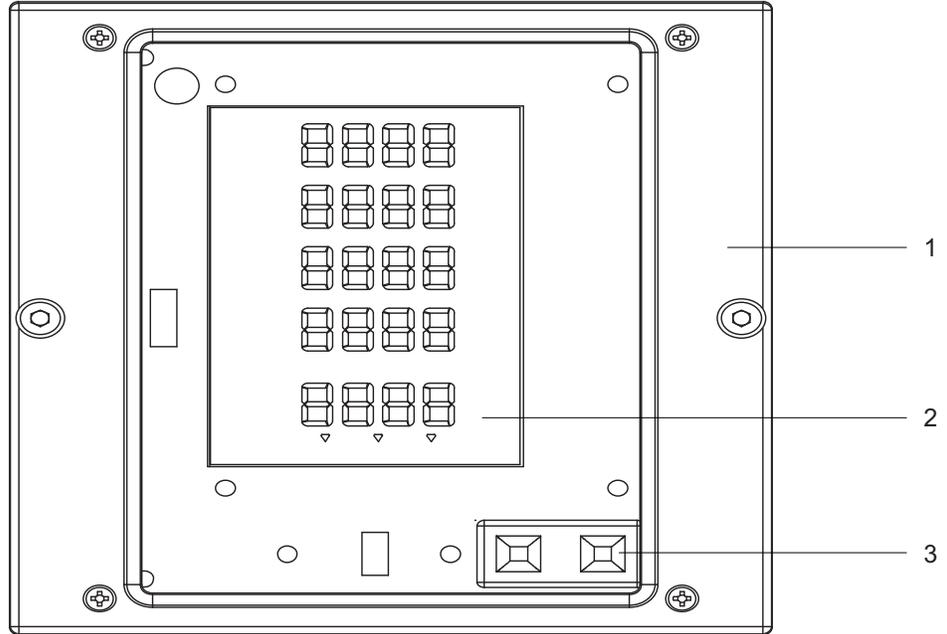
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## OptiFlex 2 CG09 - Front plate

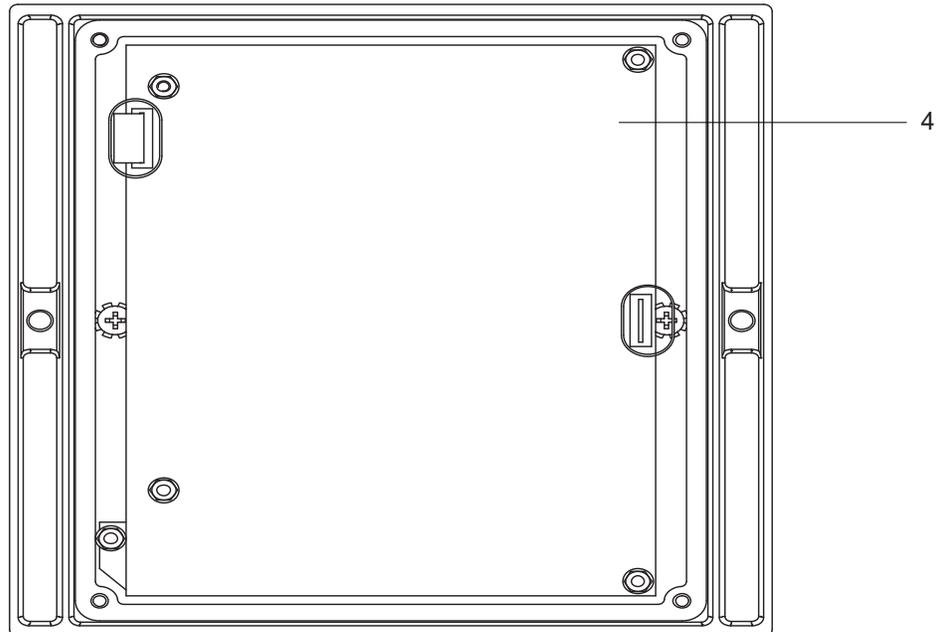
1	Front plate - complete	1007 050
2	LCD Display	1007 044
3	ON / OFF Print	1007 045
4	Mainboard	1007 046

# OptiFlex 2 CG09 - Front plate

Front view



Rear view

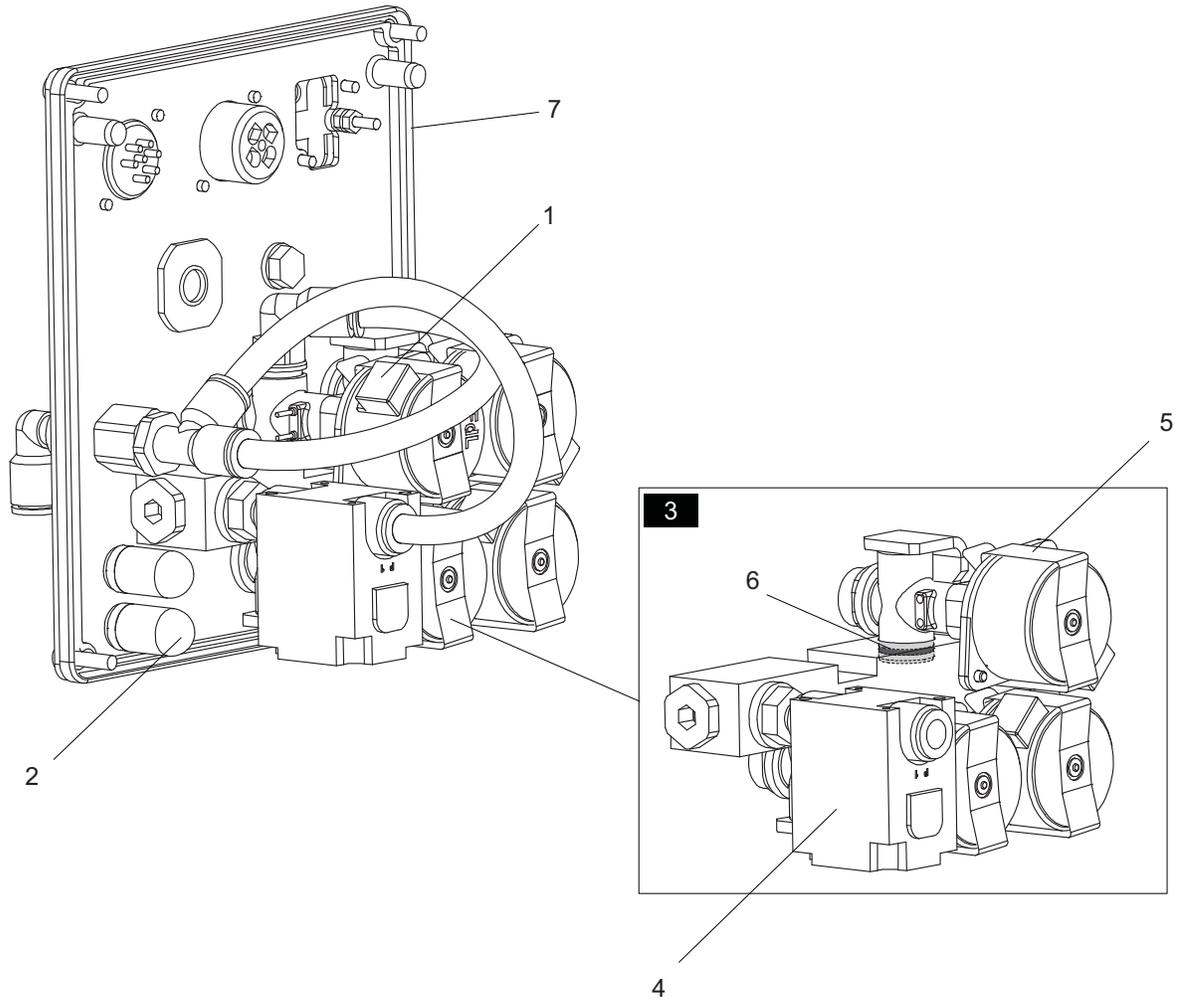


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## OptiFlex 2 CG09 - Rear panel

1	Motor throttle for Fluidizing air - complete	1008 012
2	Fluidizing pad - 1/8"a	237 264
3	Distribution block - complete	1007 036
4	Solenoid valve - Ø 8-8 mm, NW3.4, 24 VDC	1003 914
5	Motor throttle for Conveying air, Supplementary air or Electrode rinsing air - complete	1000 064
6	O-ring - Ø 12x1.5 mm	261 416
7	Rear panel gasket	1007 033

## OptiFlex 2 CG09 - Rear panel



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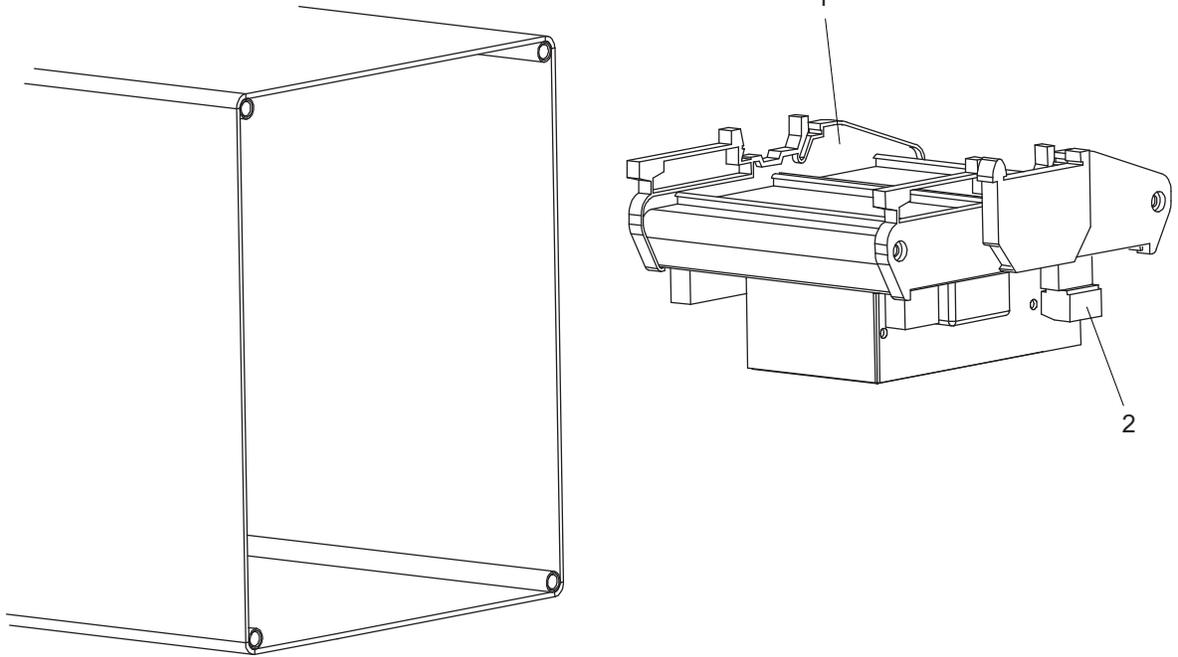
## OptiFlex 2 CG09 - Power pack

1	Power pack - complete	1007 546
2	Mainboard power supply - CG09	1007 838

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## OptiFlex 2 CG09 - Power pack

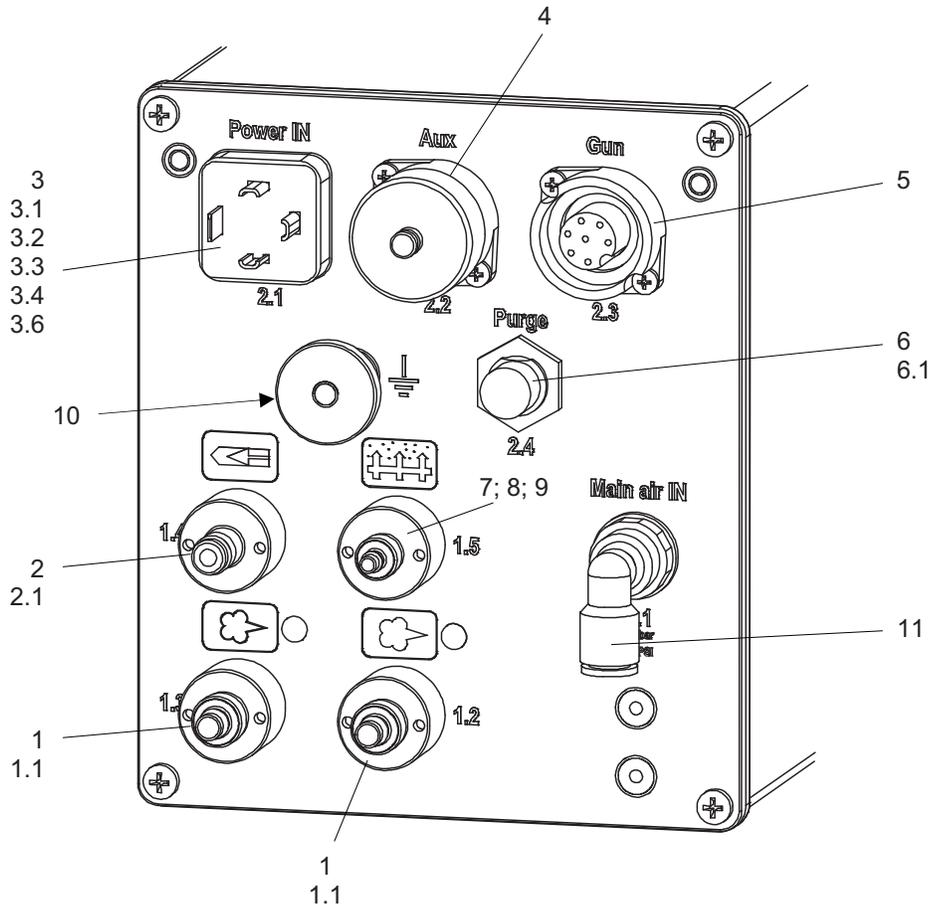


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## OptiFlex 2 CG09 - Connections

1	Hose connection - Ø 8/6 mm, complete	1004 183
1.1	Nut with kink protection - M12x1 mm, Ø 8 mm	201 316
2	Rectus quick release connection - complete	1004 181
2.1	Quick release connection - NW5, Ø 6 mm	200 840
3	Power supply connection CG09	1007 835
3.1	Mains cable - CH	382493
3.2	Mains cable - Schuko	382 485
3.3	Mains cable - USA	382 507
3.4	Mains cable - GB	382 515
3.5	Mains cable - AUS	382 523
3.6	Mains cable - China	1000 993
4	Vibrator connection CG09	1007 836
5	Gun connection CG09	1007 839
6	PowerClean air valve connection CG09	1007 837
6.1	PowerClean air valve cable	1005 522
7	Hose connection - complete	1004 184
8	Nut	263 052
9	Screw cap	263 044
10	Grounding cable - complete	301 140
11	Elbow connection Ø 8/8 mm	1001 031

# OptiFlex 2 CG09 - Connections



## OptiFlex 2 GM03 manual powder gun

OptiFlex 2 GM03 manual powder gun - complete:

	negative polarity, gun cable 2 m	1007 971
	positive polarity, gun cable 2 m	1007 974
	negative polarity, gun cable 6 m	1007 972
	positive polarity, gun cable 6 m	1007 975
	negative polarity, gun cable 12 m	1007 973
	positive polarity, gun cable 12 m	1007 968
1	Gun body	1007 220
2	Cascade - complete, negative polarity	1007 231
	Cascade - complete, positive polarity	1007 232
3	Print holder - complete	1007 216
4	End plate with hook	1007 217
5	Grip end plate - complete	1007 961
6	Trigger - complete	1007 213
7	Trigger cover	1007 212
8	Countersunk-head screw - M4x6 mm	1000 845
9	SuperCorona holder	1007 238
10	Gun cable 2 m - complete	1007 963
	Gun cable 6 m - complete	1007 964
	Gun cable 12 m - complete	1007 965
11	Rinsing air connection	1000 804
11.1	Rinsing air hose	100 854*
12	Powder tube - complete	1007 958 #
13	Compression spring	1001 488
14	Clip ring	1007 960
15	Hose connection Ø 11-12 mm - complete (incl. pos. 15.1)	1001 340 #
	Hose connection Ø 9-10 mm - complete (incl. pos. 15.1)	1002 030 #
15.1	O ring for pos 15	1000 822 #
16	Threaded sleeve (see corresponding Spare parts list)	
17	Nozzle (see corresponding Spare parts list)	
18	SuperCorona PC05	1008 165#
19	Cascade space seal	1007 635#

# OptiFlex 2 GM03

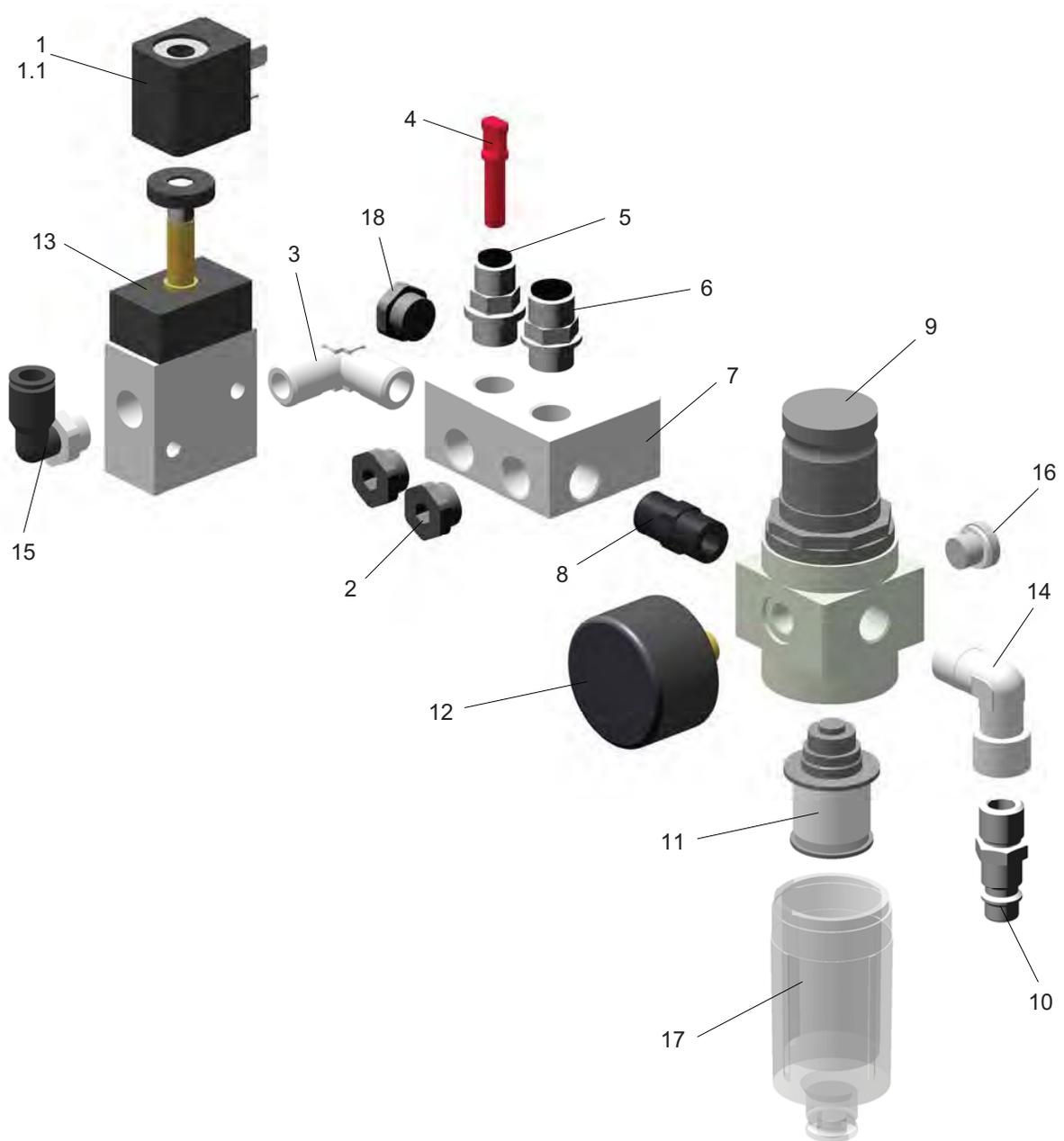


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## OptiFlex 2 - Pneumatic group

	Pneumatic group (B, F, L, S) - complete (without pos. 18)	1008 889
	Pneumatic group (C, FE, FP, FPS19) - complete (without pos. 1, 3, 13, 15)	1008 235
1	Valve coil - 24 VDC, 3 W, Ex	1008 241
1.1	PowerClean valve cable	1005 522
2	Plug cap 1/4a	263 834
3	Elbow connection 1/4a-1/4a	253 910
4	Plug cap Ø 6 mm	251 925
5	Straight connection fitting 1/4a - Ø 6 mm	1008 047
6	Straight connection fitting 1/4a - Ø 8 mm	265 136
7	Distribution block	1007 111
8	Double nipple 1/4a-1/4a	202 754
9	R/F unit - 1/4"i, 0-8 bar, complete (incl. pos. 9, 11, 17)	1008 236
10	Rectus connector NW7.4 - 1/4a	256 730
11	Filter cartridge - 20 µm	1008 239#
12	Pressure gauge - 1/8", 0-10 bar	1008 049
13	Solenoid valve 1/4, NW6.5, 24 VDC, 3 W, Ex	1008 240
14	Elbow joint 1/4i-1/4a	222 674
15	Elbow joint 1/4a-Ø 8 mm	254 029
16	Plug cap 1/8a	203 297
17	Bowl with condensate drain	1008 238
18	Plug cap 1/4a	263 834

## OptiFlex 2 - Pneumatic group



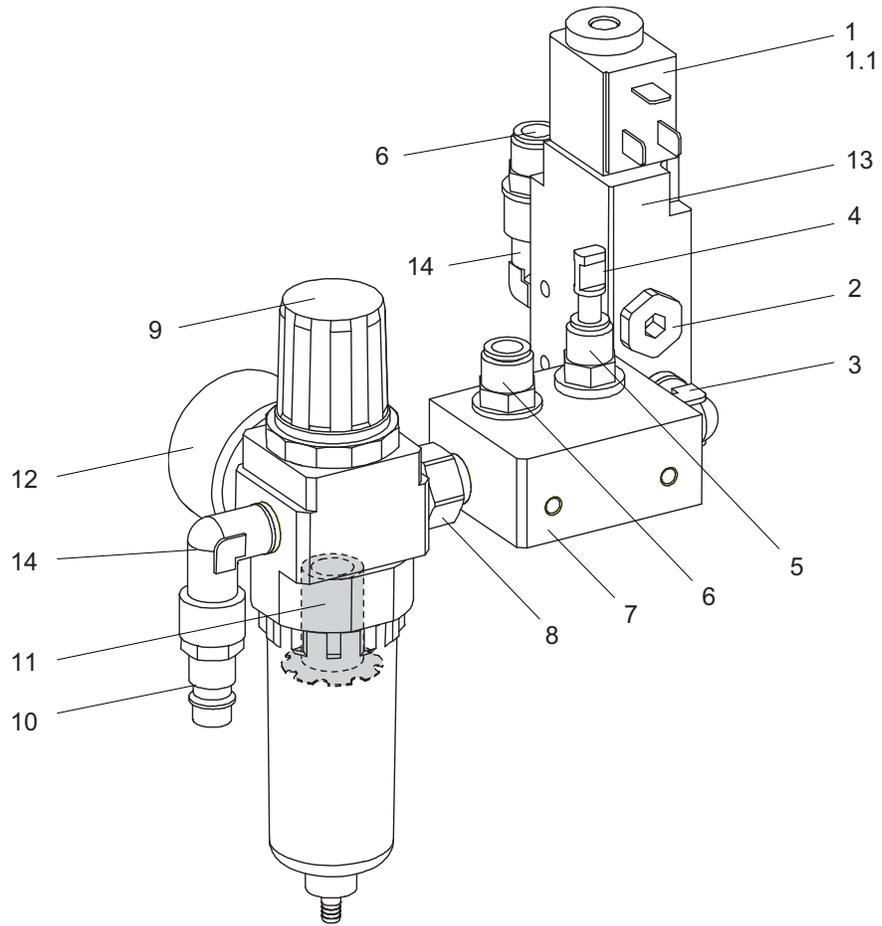
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## OptiFlex 2 - Pneumatic group (previous version)

	Pneumatic group - complete	1007 120
1	Valve coil - 24 VDC, 2 W, Ex	1007 114
1.1	PowerClean valve cable	1005 522
2	Plug cap 1/4a	263 834
3	Elbow connection 1/4a-1/4a	253 910
4	Plug cap Ø 6 mm	251 925
5	Straight connection fitting 1/4a - Ø 6 mm	1008 047
6	Straight connection fitting 1/4a - Ø 8 mm	265 136
7	Distribution block	1007 111
8	Threaded coupling 1/4a-1/4a	261 165
9	R/F unit - 1/2", 0-10 bar	1008 050
10	Rectus connector NW7.4 - 1/4a	256 730
11	Filter cartridge - 20 µm	1007 325#
12	Pressure gauge - 1/8", 0-10 bar	1008 049
13	Solenoid valve 1/4, NW7.5, 24 VDC, 2 W, Ex	1007 113
14	Elbow joint 1/4i-1/4a	222 674

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## OptiFlex 2 - Pneumatic group (previous version)



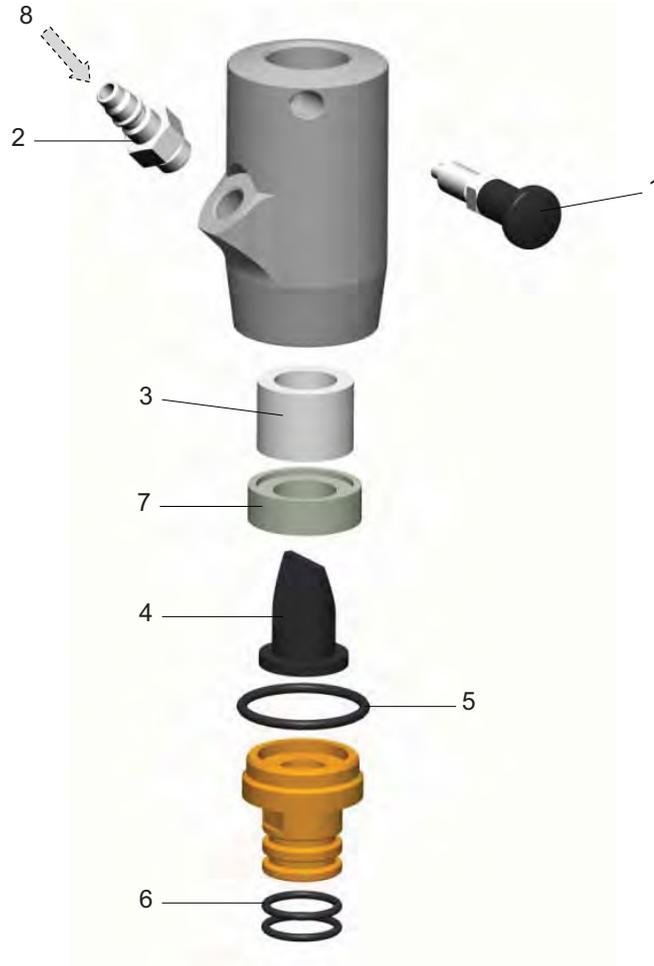
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## PowerClean module

	PowerClean module - complete	1007 362
1	Stop pin - M8x1 mm	1007 359
2	Connector NW5-1/8A	1008 026
3	Fluidizing tube	1007 355#
4	Elastomer valve - ID11 mm	1000 089#
5	O-ring - Ø 28x2.5 mm	263 842
6	O ring - Ø 16x2 mm, anti-static	1007 794#
7	Fluidizing tube bearing	1007 356
8	Pneumatic connection for PowerClean air - complete (incl. Pos. 8.1 and 8.2)	
8.1	Quick release connection - NW5, Ø 8 mm	1008 027
8.2	Plastic tube - Ø 8/6 mm, black	103 152*

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## PowerClean module



## OptiFlow Powder injector (type IG06)

	<b>OptiFlow IG06 Powder injector - complete (pos. 1-13)</b>	1007 780
<b>A</b>	Conveying air check valve unit (red marking) - complete (incl. pos. 6, 8, 9 and 12)	1005 589
<b>B</b>	Supplementary air check valve unit (black marking) - complete (incl. pos. 7, 8, 9 and 13)	1005 590
<b>C</b>	Injector body - complete (incl. pos. 1, 2, 10 and 11)	1006 530
1	Injector body (without pos. 2)	1006 484
2	O-ring - Ø 16x2 mm	1007 794#
3	Insert sleeve - Teflon, complete	1006 485#
4	Hose connection - Ø 10-12 mm, complete (incl. pos 4.1)	1006 531
4.1	O-ring - Ø 16x1.5 mm	205 141#
5	Threaded sleeve	1006 483
6	Connector (conveying air) - NW 5.5	1004 366
7	Connector (supplementary air) - NW 5.5	1004 367
8	O-ring - Ø 11x1.5 mm	1000 532#
9	Filter element - Ø 9/4x27 mm	1003 698
10	Nozzle	1006 488
11	Nozzle fixation - complete (incl. pos. 11.1)	1007 792
11.1	O-ring - Ø 8x1 mm	1007 793#
12	Body (red)	1004 369
13	Body (black)	1004 370
16	Conveying air hose - Ø 8/6 mm (red)	103 500*
17	Supplementary air hose - Ø 8/6 mm (black)	1008 038*
18	Quick release coupling for conveying air hose - NW5-Ø 8 mm	261 645
19	Quick release coupling for supplementary air hose - NW5-Ø 8 mm	261 637
	Powder hose - 66 type, POE, Ø 16/11 mm, with conductive strip (standard)	105 139*#
	Powder hose - 74 type, POE, Ø 15/10 mm, with conductive strip	1001 673*#
	Powder hose - 75 type, POE, Ø 18/12 mm, with conductive strip	1001 674*#
20	Kink protection	1008 844



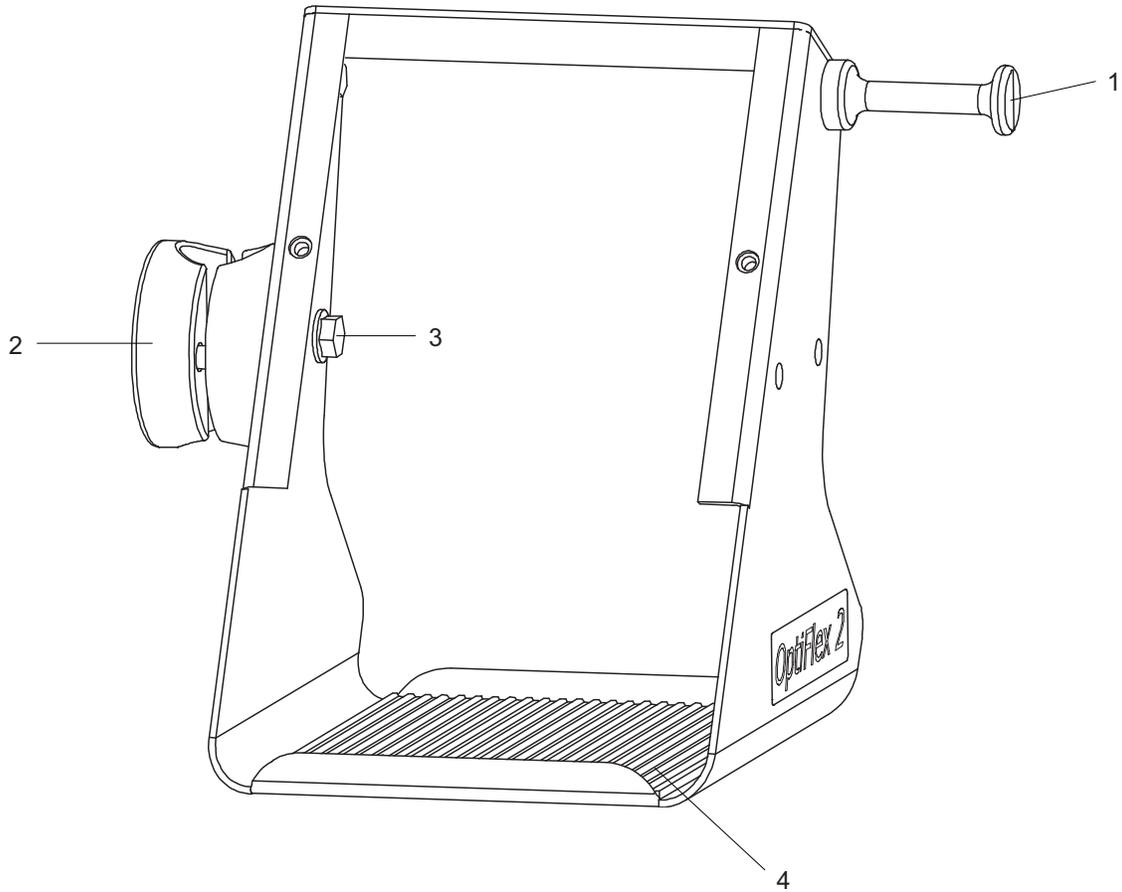
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## OptiFlex 2 - Control unit support

	Control unit support for W/L/K/C units - complete	1008 209
1	Gun holder	1008 024
2	Clamp block - complete	376 183
3	Hexagon shakeproof screw - M8x12 mm	248 550
4	Rubber pad	1007 149

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## OptiFlex 2 - Control unit support





### *Service and Support*

Our products are supported by a dedicated service team. ServiceNet™ is our 24-hour nationwide network of engineers and factory-trained distributors ready to provide you with a high level of local support.

### **Contact Information**

<b>Telephone</b>	(317) 298-5000 General (800) 628-0601 General
<b>Mailing &amp; Shipping Address</b>	4141 West 54th Street Indianapolis, IN 46254
<b>Parts</b>	(800) 345-8451 for parts ONLY
<b>Technical Support</b>	(800) 628-0648 Technical Support
<b>Fax</b>	(317) 298-5010 General (800) 345-8464 Order Entry & Technical Support (317) 298-5059 Order Entry & Technical Support
<b>Web Address</b>	<a href="http://www.gemapowdercoating.com">www.gemapowdercoating.com</a>
<b>E-mail</b>	<a href="mailto:powdersales@gema.us.com">powdersales@gema.us.com</a> <a href="mailto:powderservice@gema.us.com">powderservice@gema.us.com</a>

