

SMARTER WAREWASHING



Granule Flexi

Spare parts list

Granule Flexi serial # 610010-



Art. No. EN 21109-2010-09.

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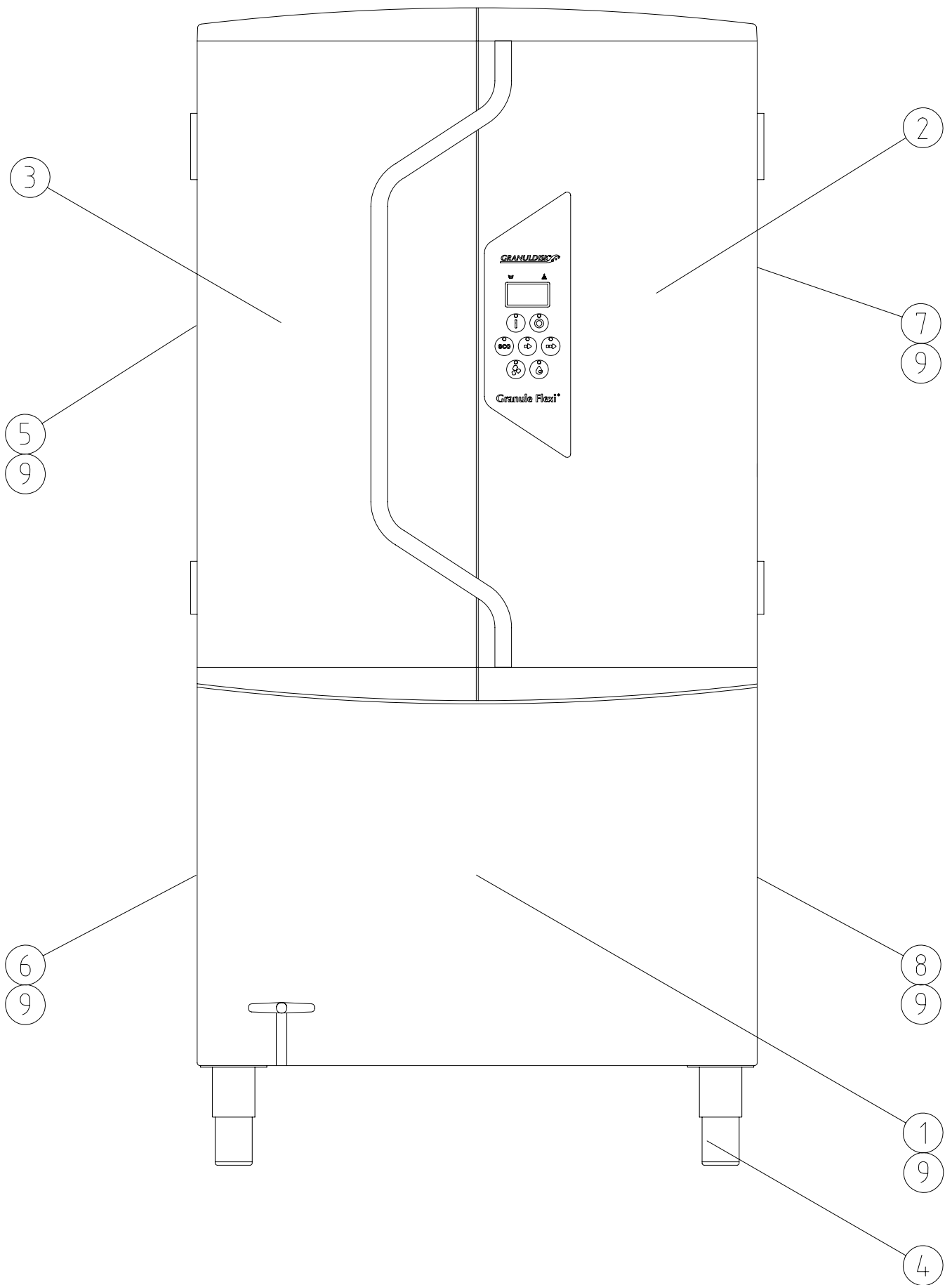
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0. Contents

- 1. Front**
- 2. Front open**
- 3. Rear**
- 4. Roof assemblies**
- 5. Wash Tank**
- 6. Base plate**
- 7. Granule valve**
- 8. Spray pipe**
- 9. Door right complete**
- 10. Door left complete**
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- 12. Cold water connection**
- 13. Rinse tank**
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- 16. Wash pump**
- 17. Rinse pump**
- 18. Spray pipe motor**
- 19. Electrical cabinet**
- 20. Components in electrical cabinet**

1 Front

Position	Part number	Description	Quantity
1.....	18466	Front cover	1
2.....		Door, right, see section 9.....	1
3.....	20789	Door, left, see section 10	1
4.....	600 5108.....	Foot lower part	4
5.....	20831	Cover plate with insulation, upper left	1
6.....	20832	Cover plate with insulation, lower left	1
7.....	20833	Cover plate with insulation, upper right	1
8.....	20834	Cover plate with insulation, lower right	1
9.....	12213	Screw, LKCS M6x16.....	17

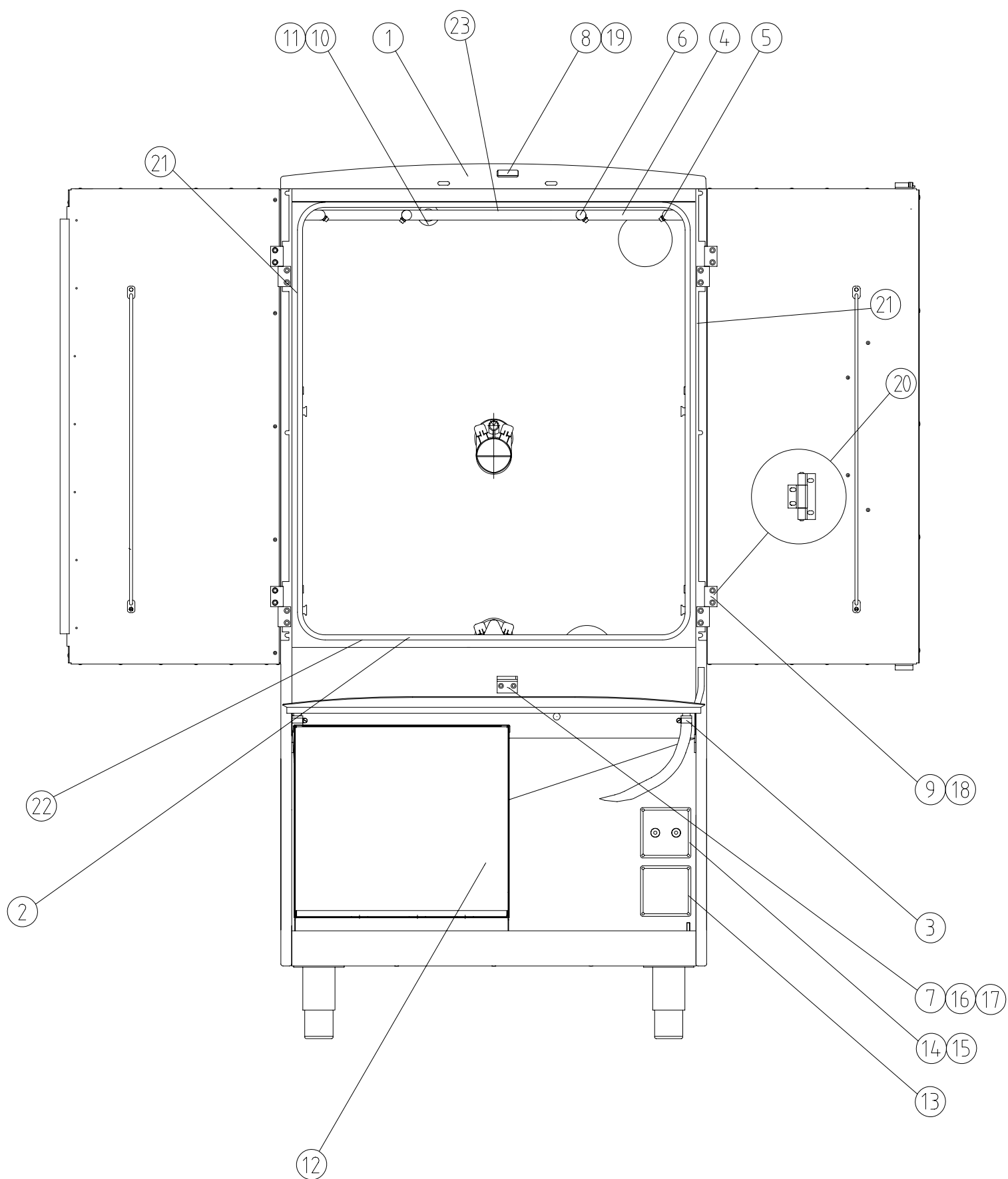


2 Front open

Position	Part number	Description	Quantity
1.....	20576	Roof with insulation.....	1
2.....	19919	Cabin seal	1
3.....	10905	Hose clamp, 16 – 25 mm	1
4.....	13779	Pipe, rinse	1
5.....	20013	Rinse nozzle kit outer 90°	1
6.....	20014	Rinse nozzle kit inner 120°	1
7.....	14655	Guide rail, lower.....	1
8.....	14658	Guide rail, upper	1
9.....	13552	Hinge complete #610010-610058*	4
10.....	600 1082.....	Seal, rinse	1
11.....	60477	O-ring, 19.2x3.0.....	1
12.....	see section 19.....	Electrical cabinet	1
13.....	600 5158.....	Detergent box.....	1
14.....	20786	Box with overheat protectors #6100010-610249....	1
Contents:			
15.....	14425	Overheat protectors	2
16.....	14672	Washer plate	1
17.....	5289	Screw M6S M6x20	2
18.....	5032	Screw M6S M6x16.....	8
19.....	12203	Nut M6.....	4
20.....	20659	Hinge complete, machine #610059-*	4
21.....	14805	Protective profile, cabin seal, left, right	2
22.....	600 1174.....	Protective profile, cabin seal, lower.....	1
23.....	600 1173.....	Protective profile, cabin seal, upper	1

*Possible to retrofit 20659, pos 20.

**#610250- the overheat protectors are mounted to be reset from outside of the machine, 20786 is not mounted.

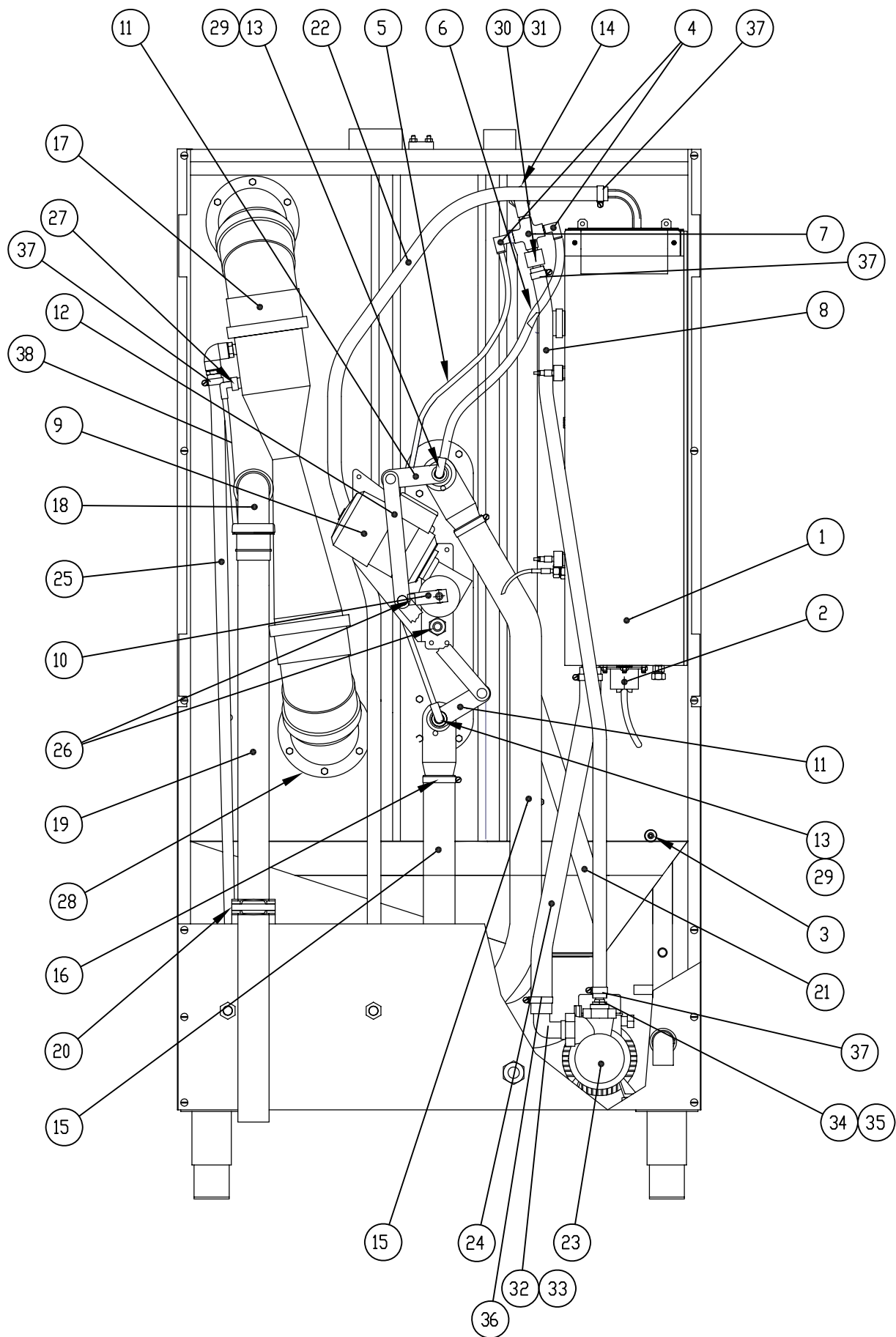


184 37

3 Rear

Position	Part number	Description	Quantity
1.....	see section 13.....	Rinse tank	1
2.....	see section 15.....	Heater, rinse tank	1
3.....	20596	Level sensor	1
4.....	14543	Connector 90° – ¼" ext.....	2
5.....	18452	Hose, rinse lower 8/6 L=960 mm.....	1
6.....	18451	Hose, rinse upper 8/6 L=450 mm	1
7.....	18817	Cross coupling	1
8.....	18491	Hose, rinse pump Ø 13 L=1230 mm	1
9.....	see section 18.....	Motor, spray pipe	1
10.....	600 0099	Crank arm	1
11.....	600 0241	Rocker arm	2
12.....	see section 14.....	Connecting rods complete.....	1
13.....	14515	Swivel connector 90° 1/8" ext	2
14.....	18818	Angle ¼" ext	1
15.....	600 5021	Wash hose L=850 mm.....	2
16.....	60415	Hose clamp 40 – 60 mm	4
17.....	600 5149	Nozzle, ejector*	1
18.....	13352	Elbow.....	3
19.....	13353	Plastic pipe	1
20.....	13442	Pipe holder	1
21.....	19767	Overflow rinse tank	1
22.....	18492	Hose Ø 13 L=1600 mm	1
23.....	see section 17	Rinse pump	1
24.....	18285	Hose Ø 28 L=550 mm	1
25.....	18676	Hose* Ø 13 L=980 mm	1
26.....	18332	Sensor kit	1
Contents:		Magnetic sensor	1
	20599	Magnet.....	2
	21468	Screw counter sunken M3x10	2
	18333	Double sided tape	2
	21468	Connector block	1
		Alco-wipe	1
27.....	10541	Connector 90°*	1
28.....	600 1093	Condensation flange seal	2
29.....	12306	Washer 10.5x22x2	2
30.....	19843	Check valve 1/4 int.....	1
31.....	18594	Nipple 1/4	1
32.....	18530	Elbow 90° 1" In/out	1
33.....	18055	Nipple1"x28 mm	1
34.....	60503	Bushing R25/R15	1
35.....	60407	Nipple ½"x14 mm	1
36.....	600 5092	Hose clamp 30-45	2
37.....	600 5171	Hose clamp 12-22	6
38.....	18675	Tube 6/4 L=960 mm	1

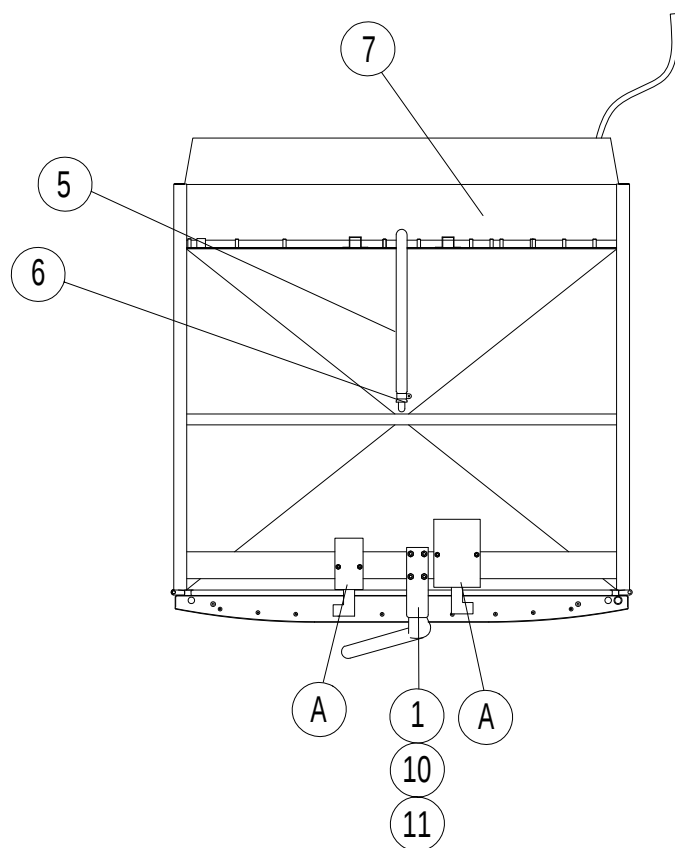
* Not on Granule Flexi UK



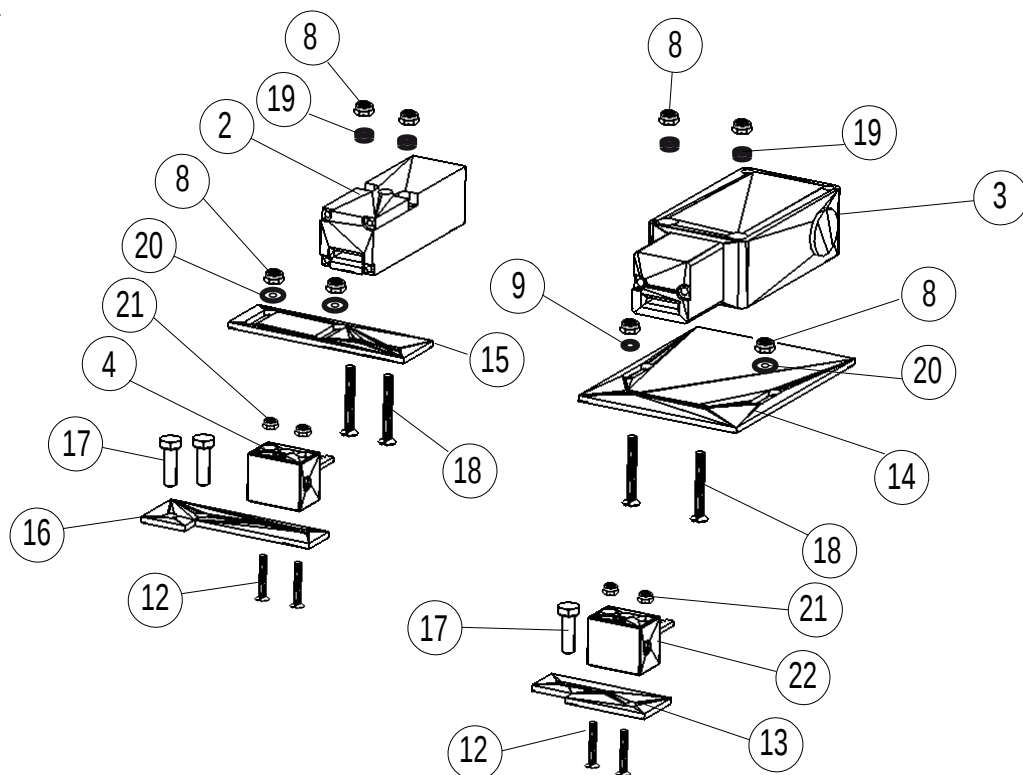
18450

4 Roof assemblies

Position	Part number	Description	Quantity
1.....	14658	Guide rail, upper	1
2.....	14058	Key breaker with key (14060)	1
3.....	14059	Key breaker with lock and key (14060)	1
4.....	14060	Key (Red)	1
5.....	18679	Hose Ø 13 L=1770 mm	1
6.....	10905	Hose clamp 16 – 25 mm	1
7.....	21381	Rear cover with insulation	1
8.....	12102	Lock nut M5	8
9.....	12302	Washer 5.3x10	1
10.....	5143	Lock nut M6	4
11.....	12303	Washer 6.4x12	4
12.....	21458	Screw M4x30, Counter sunken	4
13.....	13973	Bracket for key, Door switch, Right	1
14.....	13975	Bracket, Door switch with lock, Right	1
15.....	13976	Bracket, Door switch, Left	1
16.....	13974	Bracket for key, Door switch, Left	1
17.....	12106	Screw M6x16	3
18.....	21459	Screw M5x45, Counter sunken	4
19.....	21460	Spacer	4
20.....	5200	Washer 5.3x15	3
21.....	12209	Locknut M4	4
22.....		Key (Black)	1

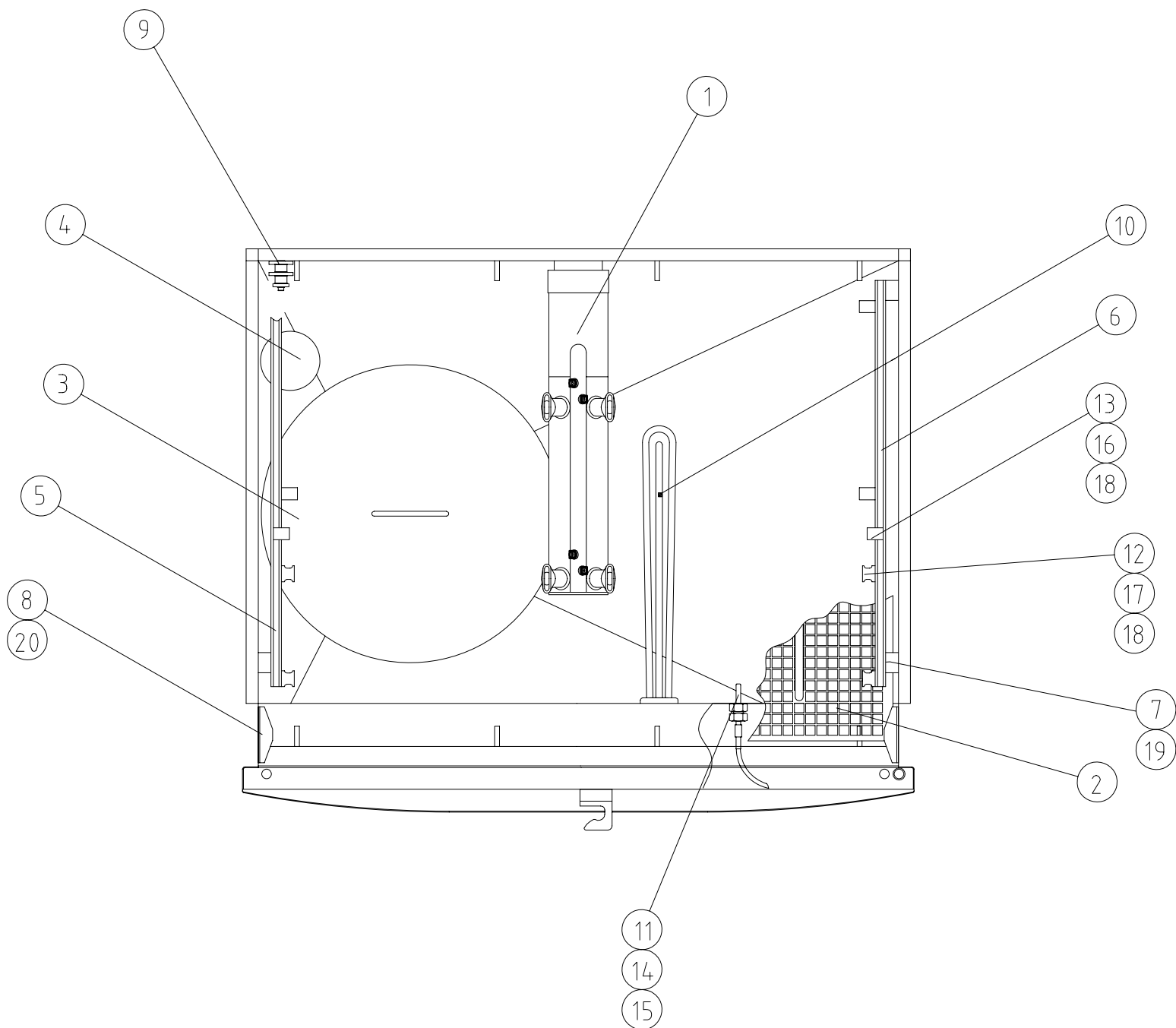


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5 Wash tank

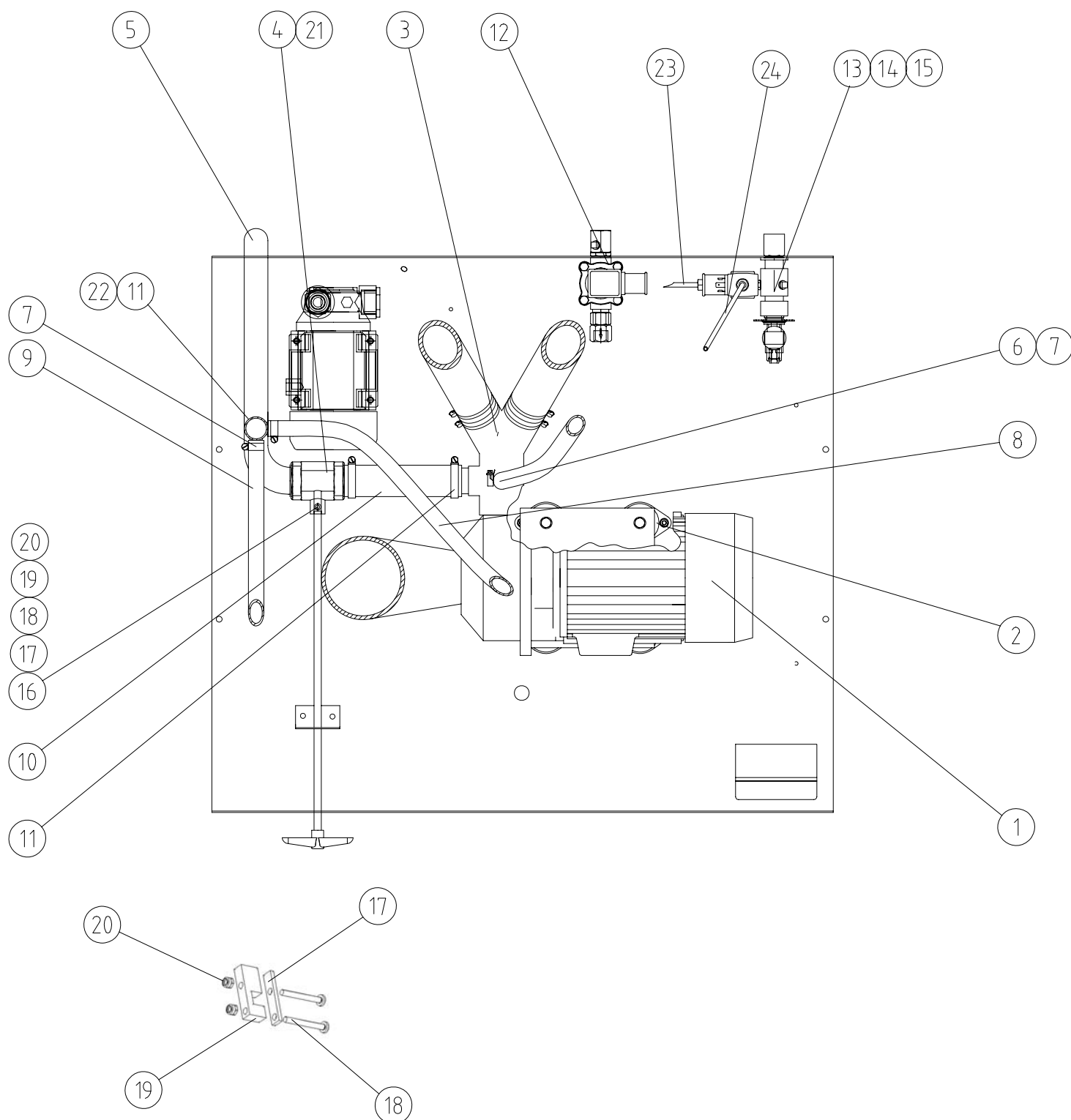
Position	Part number	Description	Quantity
1.....	13933	Spray pipe complete, see section 8	2
2.....	600 1028	Tank grid.....	2
3.....	600 0074	Seal	1
4.....	13972	Overflow sieve	1
5.....	600 1202	Insert guide left	2
Contents:			
12.....	600 1011	Basket roller	2
13.....	600 1013	Basket stop.....	3
16.....	12141	Screw MC6S M6x25	3
17.....	19342	Screw MC6S M6x20	2
18.....	12203	Nut M6	5
6.....	600 1203	Insert guide right	2
Contents:			
12.....	600 1011	Basket roller	2
13.....	600 1013	Basket stop.....	3
16.....	12141	Screw MC6S M6x25	3
17.....	19342	Screw MC6S M6x20	2
18.....	12203	Nut M6	5
7.....	600 1154	Distance fittings	8
8.....	600 1131	Control block	4
9.....	20596	Level sensor	1
10.....	see section 15.....	Heater wash tank.....	1
11.....	18097	Screw for temperature sensor	1
14.....	18325	Temperature sensor with O-ring	1
15.....	20530	Temperature sensor filter.....	1
19.....	5227	Screw M6S M6x30	8
20.....	19342	Screw MC6S M6x20	4



18529

6 Base plate

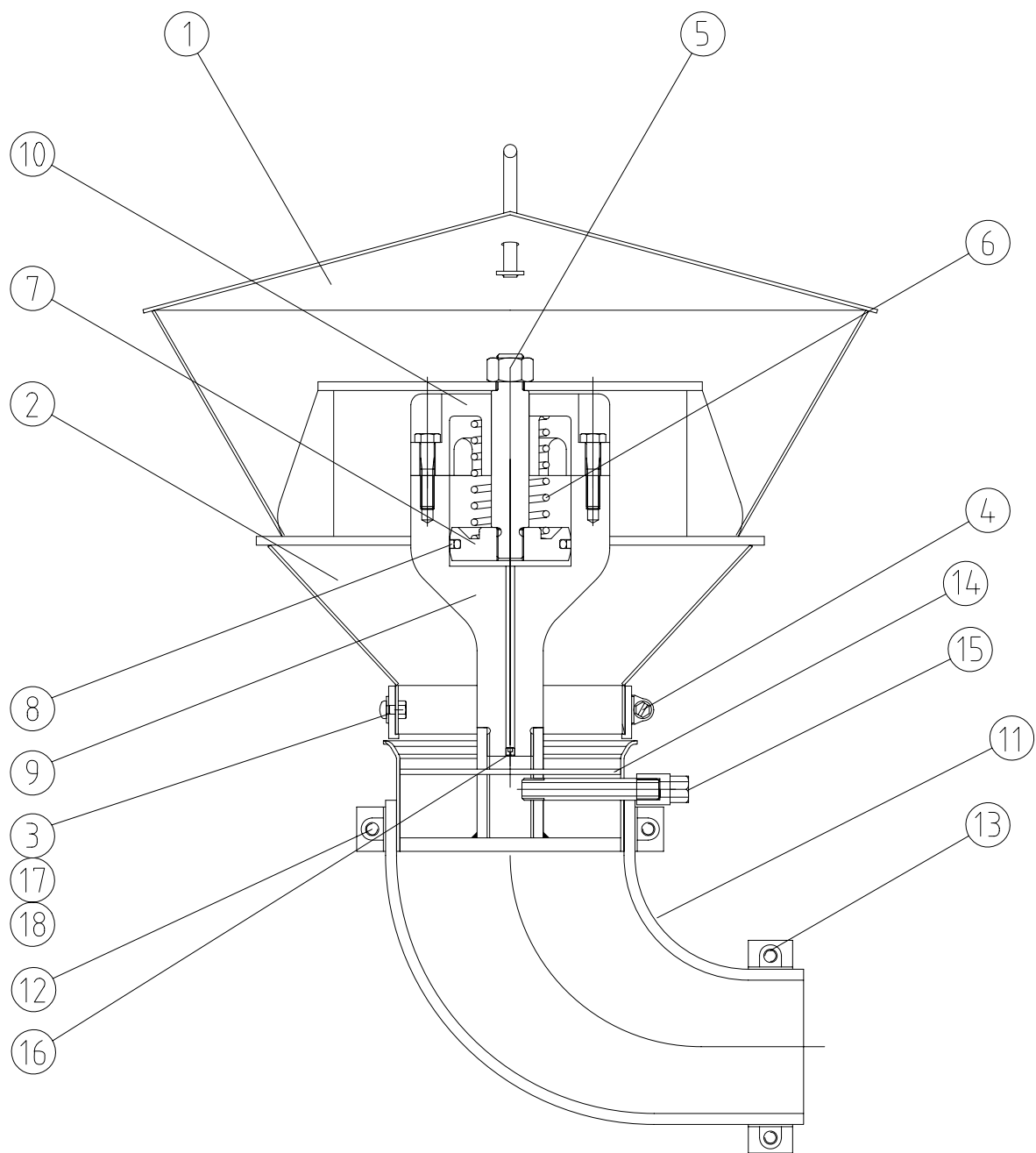
Position	Part number	Description	Quantity
1.....	see section 16.....	Wash pump	1
2.....	60433	Vibration absorber.....	4
3.....	18897	Pipe divider complete	1
Contents:			
	13326	Stainer	1
		Distributor	1
	600 1022	Tube	2
	60415	Hose clamp 40-60 mm.....	6
	21068	Hose clamp (clamps the divider to the pump outlet)1	
4.....	18401	Drain valve with handle	1
5.....	18390	Drain pipe lower.....	1
6.....	18679	Pipe, wash Ø 13 L=1770 mm	1
7.....	10905	Hose clamp 16 – 25 mm	5
8.....	18677	Pipe drip drain Ø 16 L=1000 mm.....	1
9.....	18678	Pipe drip drain Ø 16 L=700 mm	1
10.....	18531	Pipe drain Ø 32 L=150 mm	1
11.....	600 5092	Hose clamp 30 – 45 mm	8
12.....	see section 11.....	Hot water connection	1
13.....	see section 12.....	Cold water connection	1
14.....	18680	Pipe 6/4 L=750 mm	1
15.....	18675	Pipe 6/4 L=960 mm	1
16.....	18332	Magnetic sensor complete.....	1
Contents:			
		Magnetic sensor.....	1
	20599	Magnet.....	2
	21468	Screw counter sunken M3x10.....	2
	18333	Double sided tape	2
	21468	Connector block	1
		Alco-wipe	1
17.....	14780	Lock plate, magnet.....	1
18.....	18436	Bolt MRX-H M4x35	2
19.....	14779	Bracket, magnet.....	1
20.....	5018	Lock nut M4.....	2
21.....	18377	Bracket, drain valve.....	1
22.....	13502	Hose	1
23.....	18680	Hose 6/4 L=750 mm	1
24.....	18675	Hose 6/4 L=960 mm	1



18449

7 Granule valve

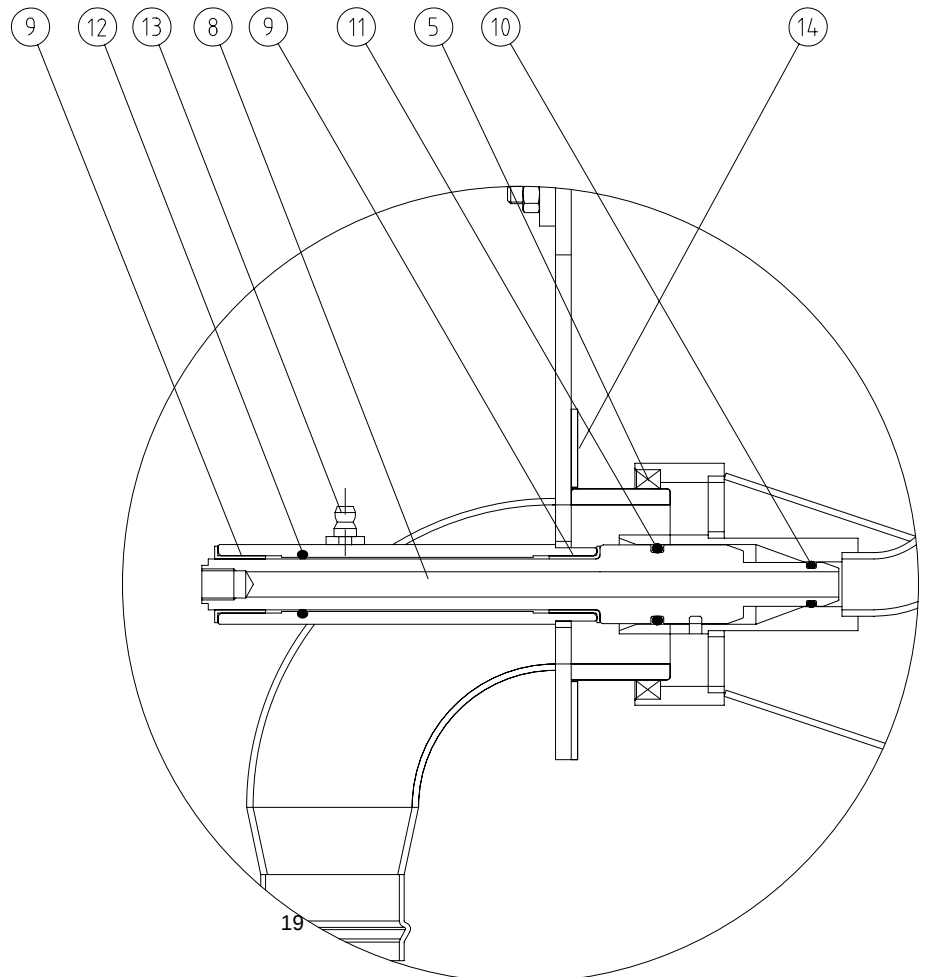
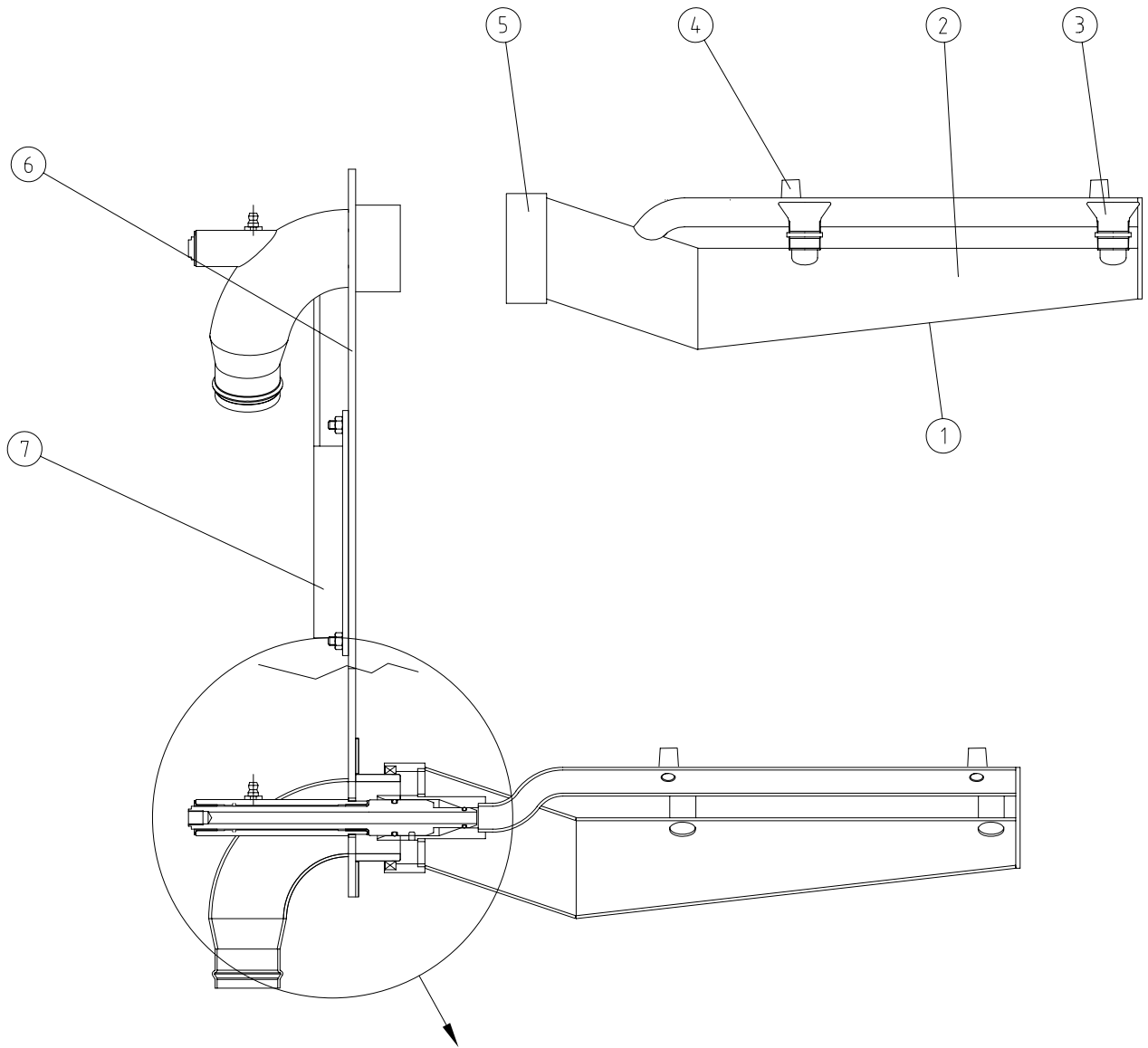
Position	Part number	Description	Quantity
1.....	600 0074	Sieve.....	1
2.....	600 0057	Strainer drum	1
3.....	600 0075	Seal	1
4.....	10064	Hose clamp 87 – 112 mm	1
5.....	12206	Nut M12	1
6.....	60463	Pressure spring	1
7.....	600 0054	Piston with piston rod.....	1
8.....	60462	Piston seal 55x45x4.....	1
9.....	600 0055	Cylinder.....	1
10.....	600 0056	Cylinder cover	1
11.....	600 1034	Drainage pipe	1
12.....	11406	Hose clamp 100 – 120 mm	1
13.....	11405	Hose clamp 60 – 80 mm	1
14.....	13934	Protective sieve for pump	1
15.....	10711	Connector 1/8" int.....	1
16.....	13147	Flow restriction screw.....	1
17.....	12194	Screw MRX M4x10.....	1
18.....	12209	Nut Locking M4.....	1



14201

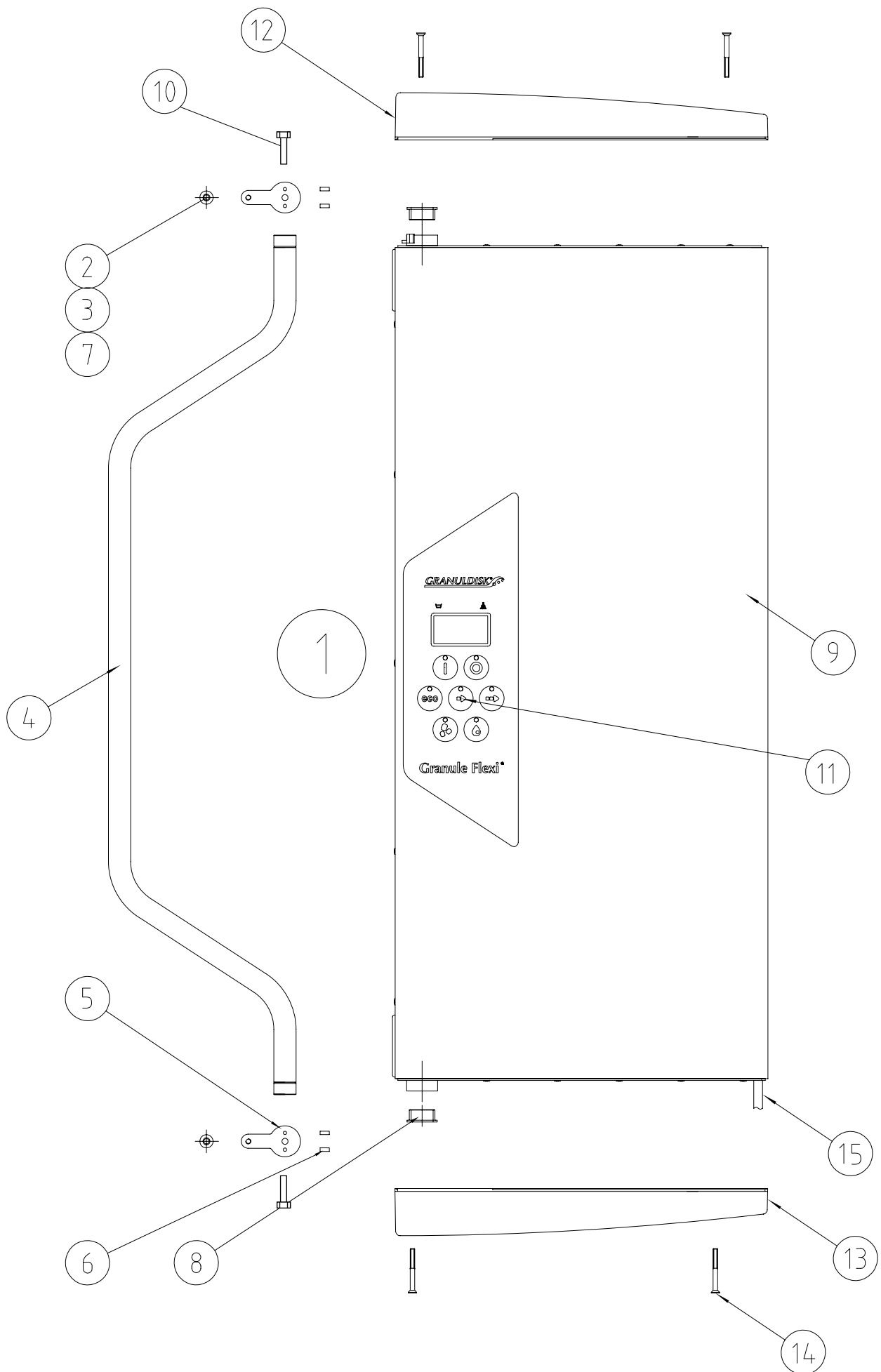
8 Spray pipe

Position	Part number	Description	Quantity
1.....	13933	Spray pipe complete	1
Contents:			
2	600 1141	Spray pipe	1
3	600 1122	Wash nozzle complete	4
4	20018	Rinse nozzle kit	1
5	600 5035	Radial seal	1
6.....	600 1111	Spray pipe console	1
7.....	600 1094	Motor bracket	1
8.....	600 0083	Rocker spindle	2
9.....	600 5010	Slide bearing, spray pipe.....	4
10.....	600 5012	O-ring 9.3x2.4	2
11.....	60477	O-ring 19.2x3.0.....	2
12.....	60460	O-ring 15.3x2.4.....	2
13.....	20785	Grease nipple with washers.....	2
14.....	600 0079	Seal	2



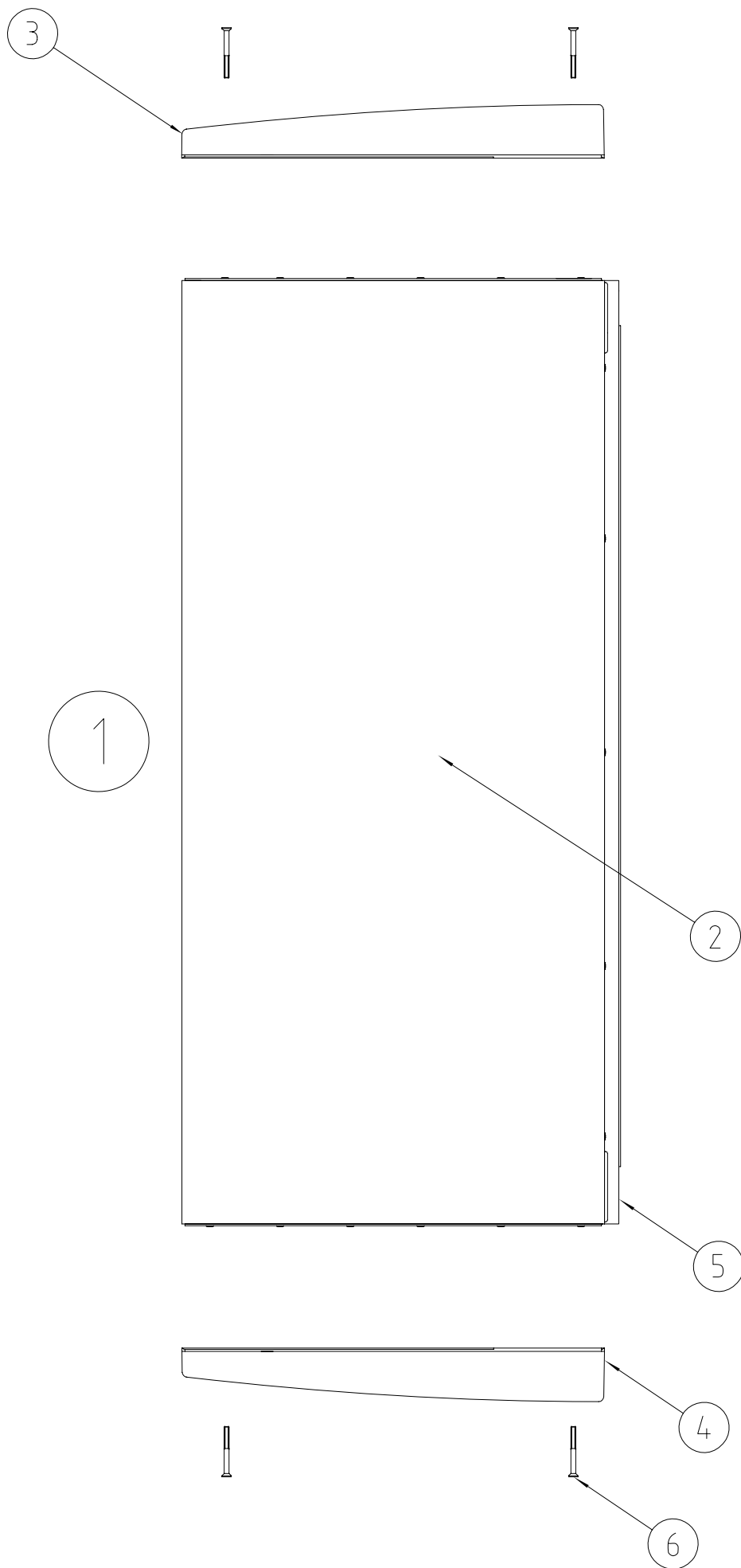
9 Door right complete

Position	Part number	Description	Quantity
1.....	20788	Door right complete	1
Contents:			
2	12140	Screw, MC65S M6x16 A2	2
3	12303	Washer 6,4x12.....	2
4	20510	Door handle.....	1
5	14660	Lock arm	2
6	10907	Peg, cylindrical.....	4
7	10537	Ball bearing	2
8	600 0115	Bearing, door handle	2
9	18375	Door, right.....	1
10.....	12140	Screw, M6S M6x20.....	2
Machine serial # 610010-610221			
11.....	20787	Control panel, spare part kit.....	1
Contents:			
	20713	Panel foil	1
	18313	Panel plate	1
	18322	Circuit board control panel	1
	18746	Panel plate seal.....	1
	18698	Screw MF6S M3x12 (for operators panel)	4
Machine serial # 610222-			
11.....	21261	Control panel, spare part kit.....	1
Contents:			
	21016	Panel foil	1
	20965	Panel plate	1
	20964	Circuit board control panel	1
	21101	Panel plate gasket.....	1
	21467	Cable protection tube	1
12.....	20586	Door cover, upper right	1
13.....	20585	Door cover, lower right.....	1
14.....	12158	Screw, door cover MFS M5x50.....	4
15.....	18549	Cable and connector with tool	1



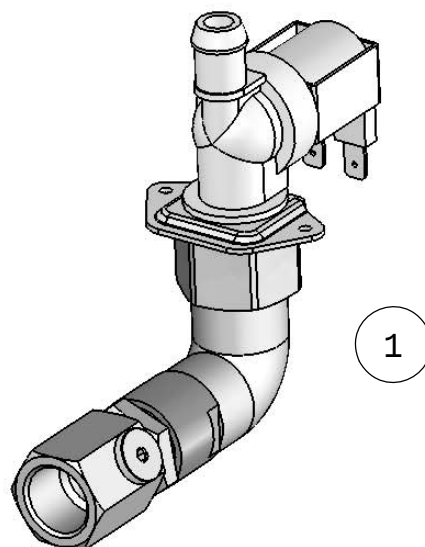
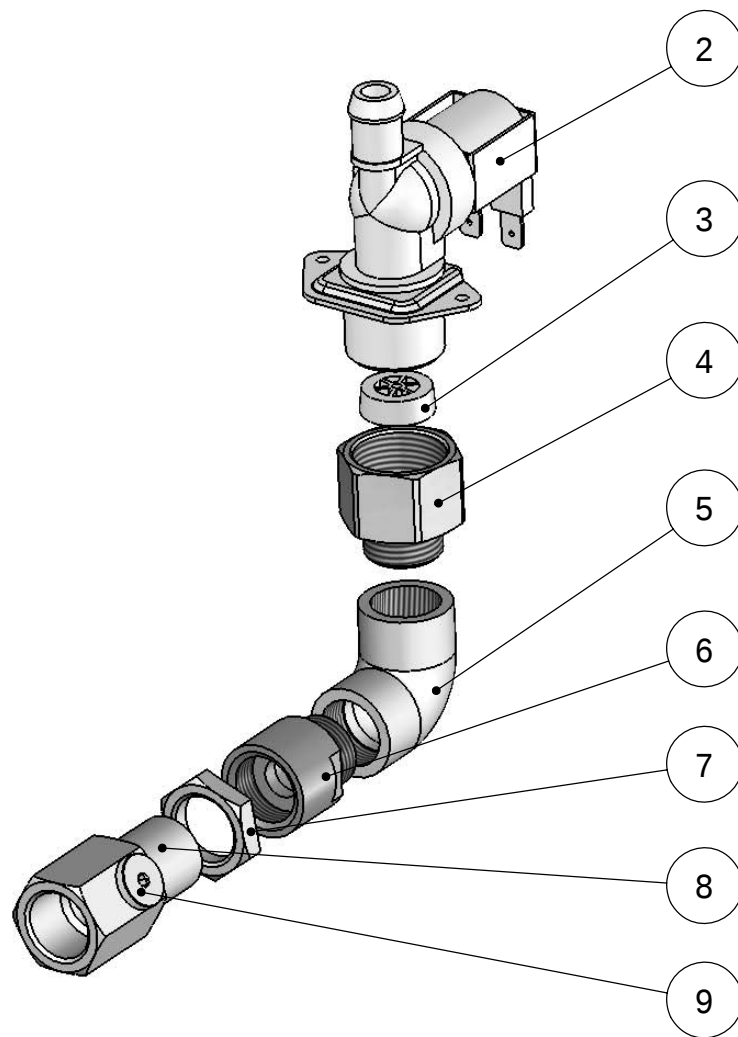
10 Door left complete

Position	Part number	Description	Quantity
1.....	20789	Door left complete.....	1
Contents:			
2	14637	Door left.....	1
3	20584	Door cover, upper left	1
4	20583	Door cover, lower left	1
5	600 1121	Middle seal	1
6	12158	Screw, door cover MFS M5x50.....	4



11 Hot water connection

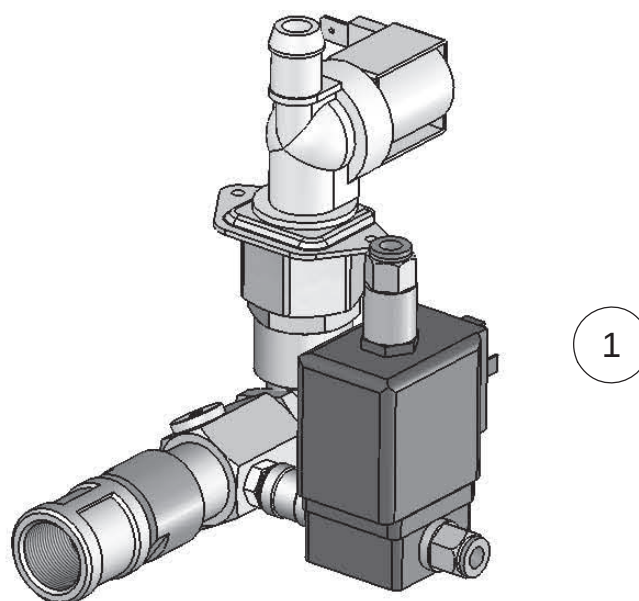
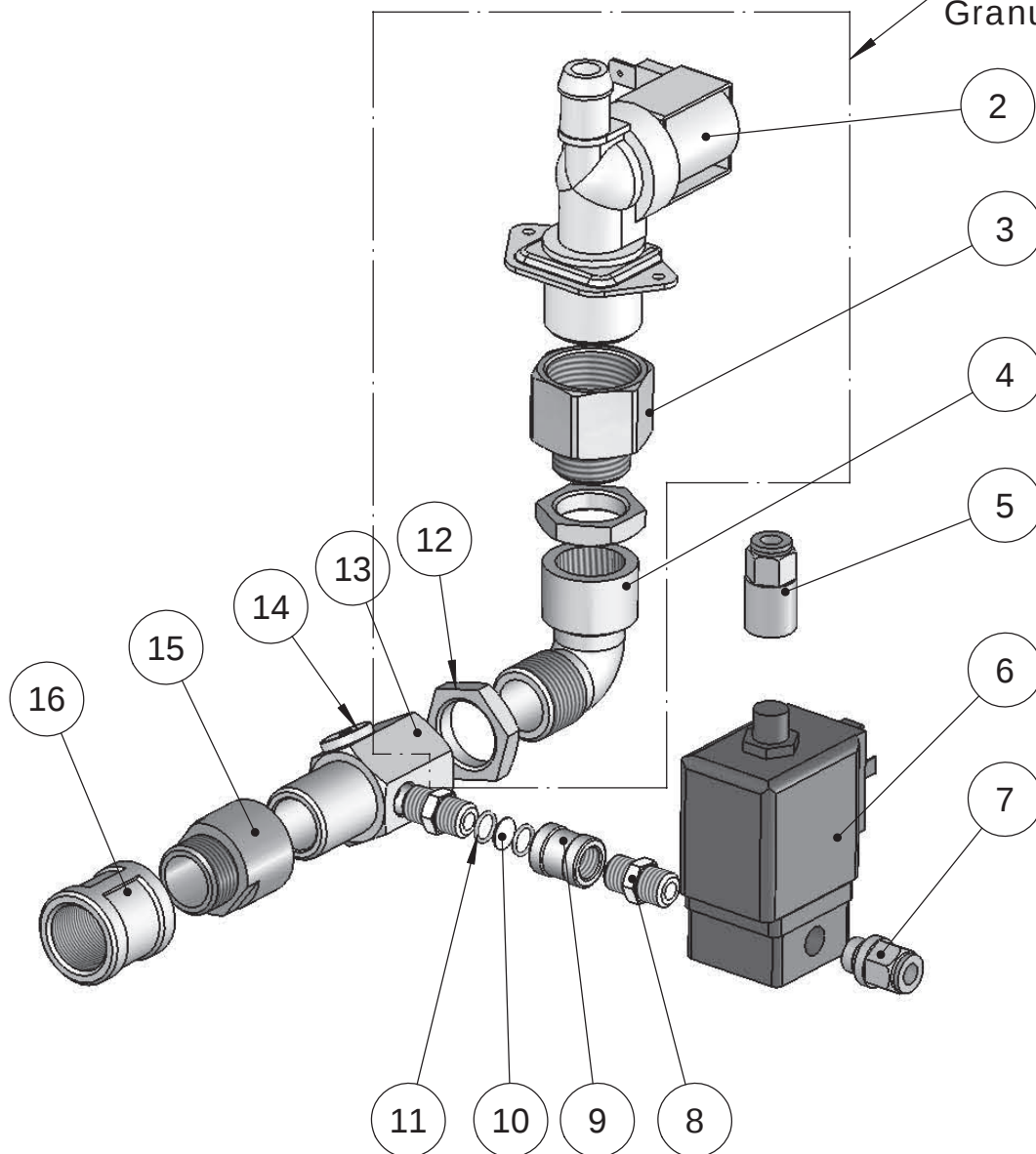
Position	Part number	Description	Quantity
1.....	18639	Hot water connection	1
Contents:			
2	18191	Solenoid valve.....	1
3	18556	Constant flow valve	1
4	13755	Nipple G3/4" ext – G1/2" int.....	1
5	5616	Elbow 90° G1/2" int/int.....	1
6	18745	Check valve 1/2"	1
7	60406	Nut 1/2" G15	2
8	60289	Sleeve	1
9	10068	Plug 1/8"	2



12 Coldwater connection

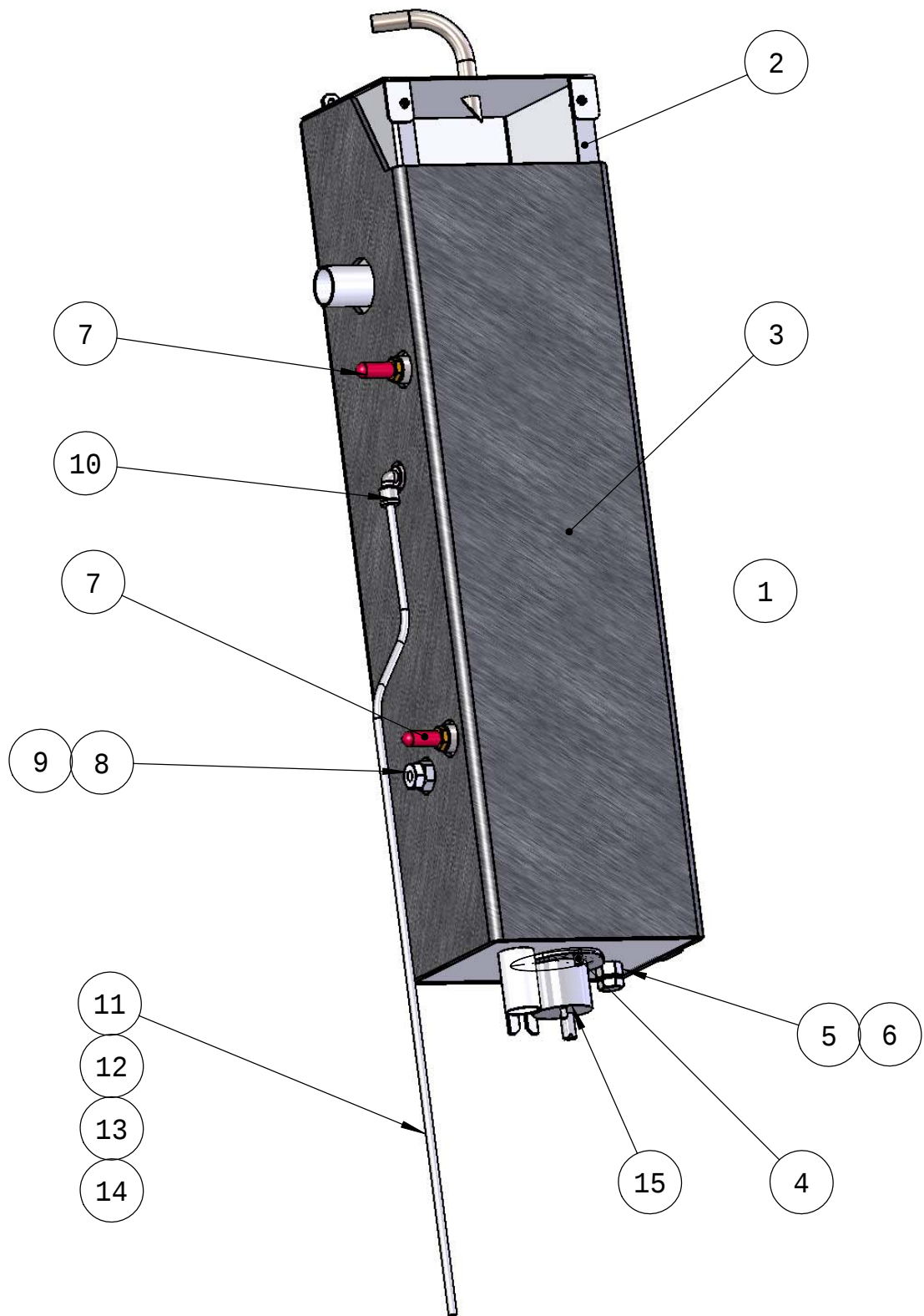
Position	Part number	Description	Quantity
1.....	18640	Cold water connection	1
Contents:			
2	18191	Solenoid valve.....	1
3	13755	Nipple G3/4" ext – G1/2" int.....	1
4	60531	Elbow 90° G1/2" ext/int.....	1
5	10711	Connector 1/8" int.....	1
6	13619	Solenoid valve 3/2 1/8".....	1
7	10659	Connector 1/8" ext.....	1
8	600 5007	Nipple 1/8" G6 ext/ext.....	2
9	11549	Sleeve 1/8".....	1
10.....	10662	Filter	1
11.....	10661	Washer	2
12.....	60406	Nut 1/2"	2
13.....	60289	Sleeve.....	1
14.....	10068	Plug 1/8"	1
15.....	14309	Check valve 1/2"	1
16.....	600 5046	Sleeve 1/2" G15.....	1

Not included in
Granule Flexi UK



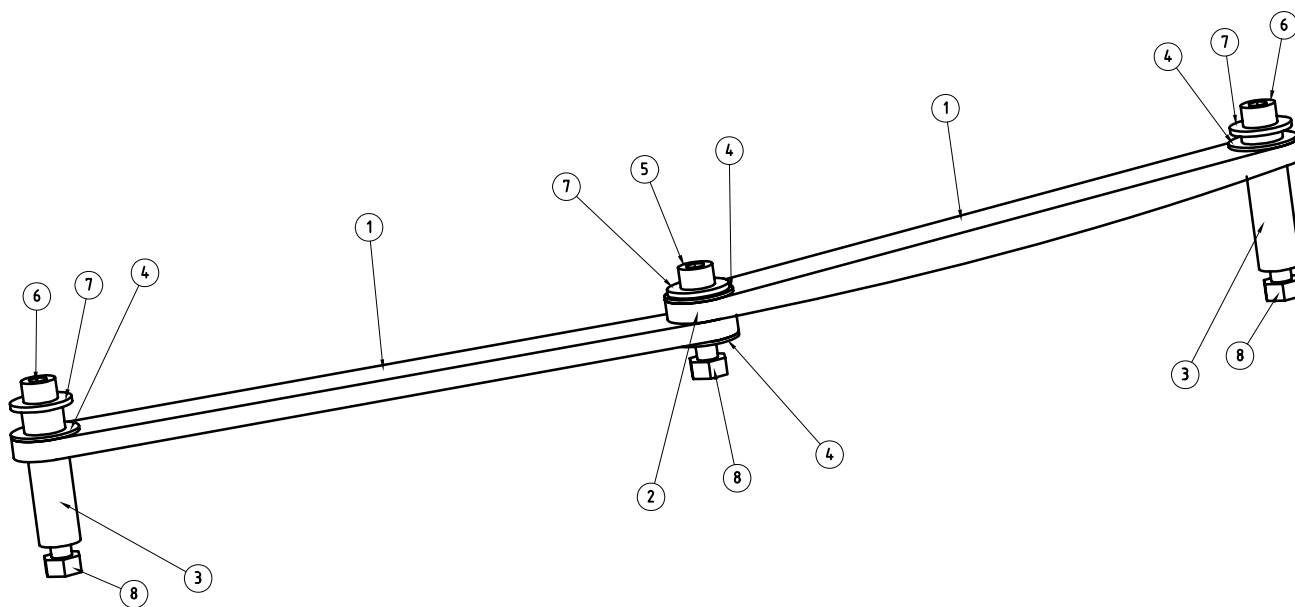
13 Rinse tank

Position	Part number	Description	Quantity
1.....	21382	Rinse tank compl. (Heater not included!)	1
Contents:			
2	18127	Rinse tank	1
3	18291	Insulation	1
4	5143	Nut locking M6.....	3
5	19880	M6S M12x16 A2	1
6	5682	Rubber to metal bonded seal M12	1
7	19879	Level sensor	2
8	18205	O-ring 7,3 x 2,4	1
9	18097	Bolt M14 Temp sensor	1
10.....	13846	Elbow 90° 1/8"	1
11.....	20570	Hose rinse agent	1
12.....	11548	Connector 6/4 1/8	1
13.....	11549	Nipple 1/8"	1
14.....	10068	Plug 1/8"	1
15.....	see section 15.....	Heater, rinse tank	1
1.....	21383	Rinse tank coldwater compl. (Heater not included!)	1
Contents:			
2	20589	Rinse tank coldwater	1
3	18291	Insulation	1
4	5143	Nut locking M6.....	3
5	19880	M6S M12x16 A2	1
6	5682	Rubber to metal bonded seal M12	1
7	19879	Level sensor	2
8	18205	O-ring 7,3 x 2,4	1
9	18097	Bolt M14 Temp sensor	1
10.....	13846	Elbow 90° 1/8"	1
11.....	20570	Hose rinse agent	1
12.....	11548	Connector 6/4 1/8	1
13.....	11549	Nipple 1/8"	1
14.....	10068	Plug 1/8"	1
15.....	see section 15.....	Heater, rinse tank	1



14 Link system.

Position	Part number	Description	Quantity
.....	13824	Link system complete assembly	1
Conntent:			
1	13496	Connecting rod	2
2	13497	Axle	1
3	13498	Axle	2
4	13509	Bearing	4
5	12141	Screw M6x25	1
6	5509	Screw M6x50	2
7	12322	Washer 6.4x18x1.6	3
8	12203	Nut M6	3



13824

15 Heaters

Heater complete*		Heater	O-ring	Overheat protector	Tank
14329	400V/9kW	13935	6005136	14425	W/R
14330	230V/9kW	13936	6005136	14425	W/R
14331	440V/9kW	13944	6005136	14425	W/R
14332	208V/9kW	13946	6005136	14425	W/R
20782	400/415V/14kW	20572	6005136	14425	W
20783	400/415V/14kW	20571	20655	14425	R

* Including locking nuts (W = Washtank, R = Rinsetank)

16 Wash pump

230V/400V/415V/50Hz	14371	208V/230V/60Hz/CSA	19128
Shaft seal	14375	Shaft seal	14375
Pump housing	13693	Pump housing	13693
O-ring Pump housing	600 5166	O-ring Pump housing	600 5166
Pump wheel	14374	Pump wheel	14373

440V/60Hz	14378
Shaft seal	14375
Pump housing	13693
O-ring Pump housing	600 5166
Pump wheel	14373

Pump	Performance	Cable
14371	400V	18148
14371	230V	18887
14378	440V	18148
19128	208V/CSA	19162

17 Rinse pump

Rinse pump		Pump	Cable
19481	230V/400V/415V 50 Hz	11539	19461
19484	208V CSA/230V/440V 60 Hz	19477	19461

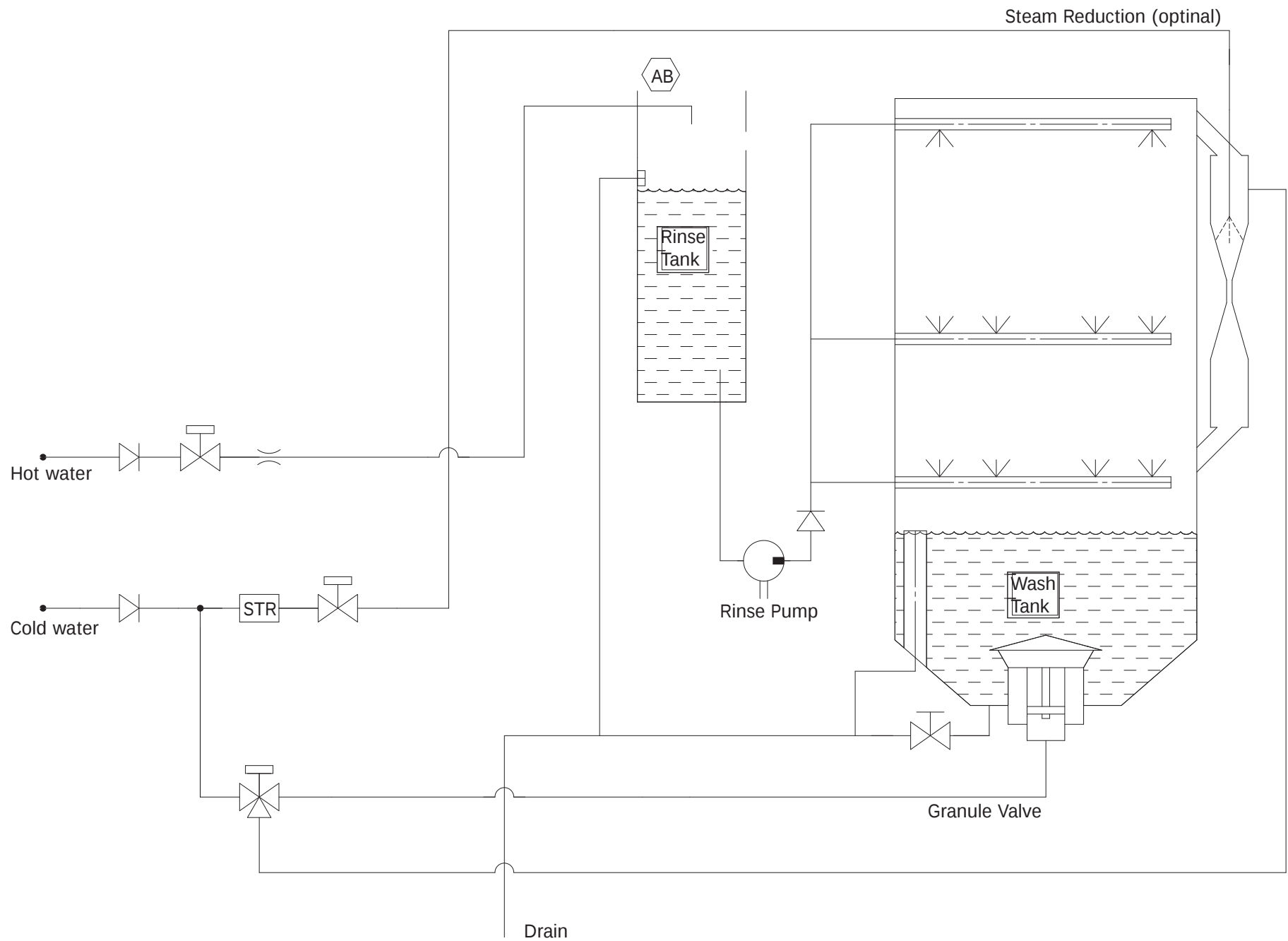
18 Spray pipe motor

230/400/415/440V/50/60Hz	600 5098	208V/60Hz/CSA	13194
---------------------------------	-----------------	----------------------	--------------

Motor	Cable
600 5098	18692
13194	18928

19 Electrical cabinet

Voltage/Frequency/Other	Part number
400V/50Hz	18336
415V/50Hz	18987
440V/60Hz	18803
230V/50 och 60Hz	18874
208V/60Hz/CSA	19113
400/415V/50Hz Coldwater	20704



20 Components in electrical cabinet

Position	Machine type: <u>Description</u>	208V 60Hz CSA	230V 50/60Hz	400V 50Hz	400/415V 50Hz Cold Water	415V 50Hz	440V 60Hz
		<u>19113</u>	<u>18874</u>	<u>18336</u>	<u>20704</u>	<u>18987</u>	<u>18803</u>
	Electrical cabinet						
Q1	Line breaker	19029	18352	18352	18352	18352	18352
QF1	Motor protection w. pump *)	19376	19376	19375	19375	19375	19375
QF7	Motor protection r. pump *)	19372	19372	19371	19371	19371	19371
F1	Circuit breaker		13532	13533	13532	13533	13533
F3	Circuit breaker 6A		6007007	6007007	6007007	6007007	6007007
F1	Fuse 30A Fast	3x19288					
F3	Fuse 6.3A Fast	2x19031					
F4	Fuse 1A	19078	18404	18404	18404	18404	18404
F5	Fuse 2.5	19077	18405	18405	18405	18405	18405
F6	Fuse 15A Slow	3x19399					
F7	Fuse 6.3A Fast	3x19031					
K0	Contactor heaters protect	19293	10082	19308	10082	19308	19308
K1	Contactor wash pump	19293	10082	19294	10082	19294	19294
K7	Contactor rinse pump	19294	19294	19294	19294	19294	19294
K13	Contactor wash tank heater	19293	10082	19308	10082	19308	19308
K14	Contactor rinse tank heater	19293	10082	19308	10082	19308	19308
T1	Transformer 230/400/415		18373	18373	18373	18373	
T2	Transformer 208/440/575	18546					18546

Machine
serial #**610010-610221**
Circuit board, language
A1 version:

Sweden / England
Denmark / England
Norway / England
Finland / England
Germany / England
France / England
Nederland / England
Spain / England
Italy / England
Lithuania / England
Czech / England

21200	21200	21200	21200	21200	21200
21201	21201	21201	21201	21201	21201
21202	21202	21202	21202	21202	21202
21203	21203	21203	21203	21203	21203
21204	21204	21204	21204	21204	21204
21205	21205	21205	21205	21205	21205
21206	21206	21206	21206	21206	21206
21207	21207	21207	21207	21207	21207
21208	21208	21208	21208	21208	21208
21209	21209	21209	21209	21209	21209
21210	21210	21210	21210	21210	21210

Machine
serial #**610222-**
Circuit board, language
A1 version**:

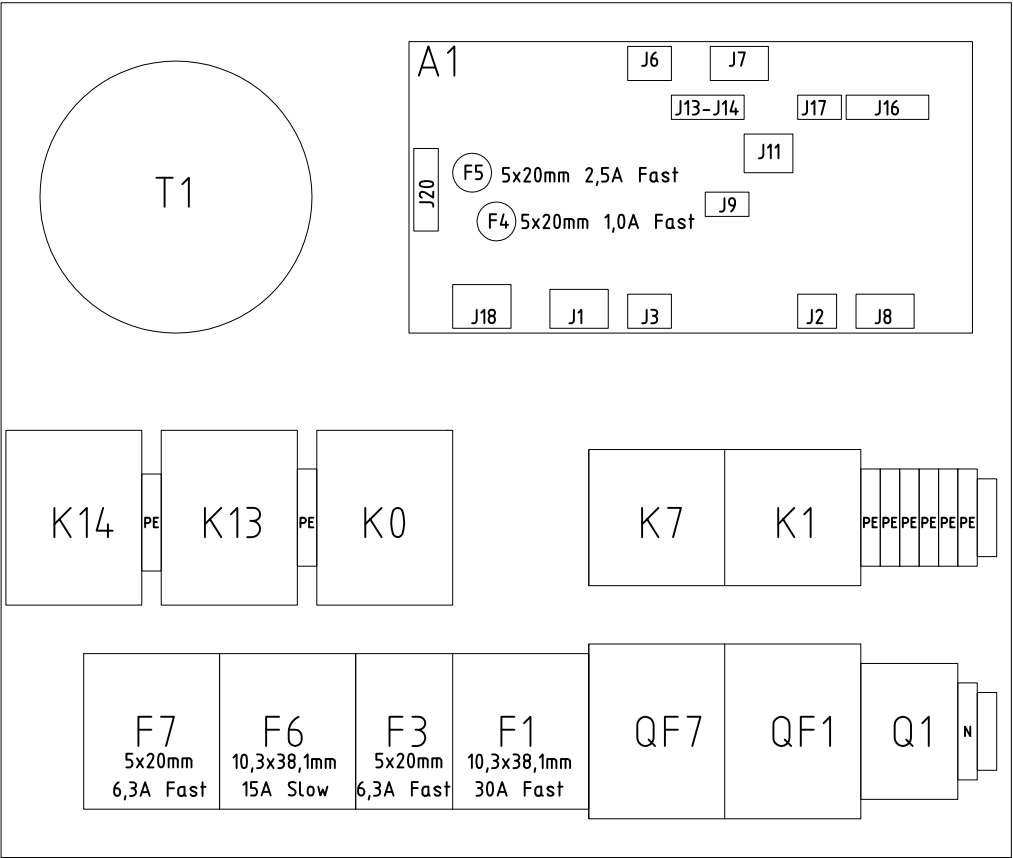
All

20930	20930	20930	20930	20930	20930
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*) With auxiliary contact.

**) No language file on circuit board, the languages are stored on the operators panel PCB. (Machine serial # 610222-)

208 V 60Hz CSA



230 V 50/60 Hz, 400V 50Hz, 400/415 V 50 Hz Coldwater, 415 V 50Hz

