

1 Exploded Views of Liquid Ends

Beta® 1000 - 1604 PP liquid end with bleed valve

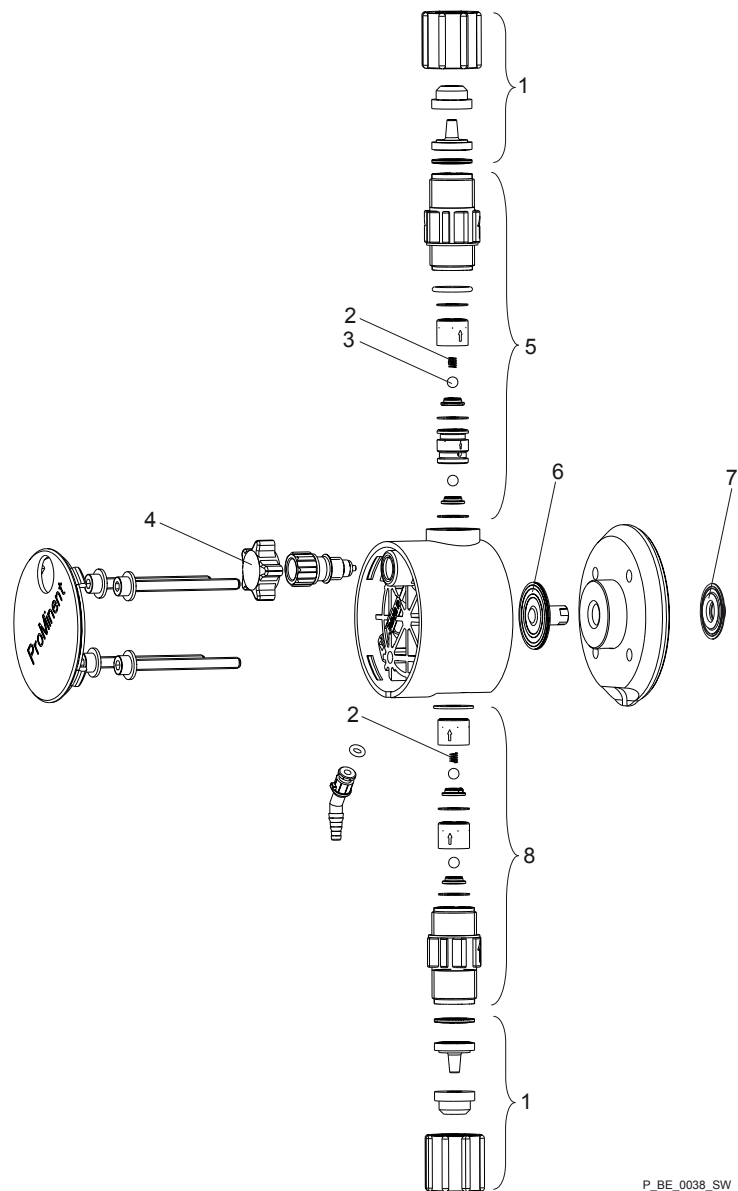


Fig. 1: Beta® 1000 - 1604 PP liquid end with bleed valve

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
1	Connector kit 6/4 PVT	1023246	1023246	1023246	1023246
3	4 Valve balls	7500289	7500289	7500289	7500289
4	Bleed valve	791365	791365	791365	791365
5	Discharge valve, compl. 4.7-2 PVT	1023127	1023127	1023127	1023127
6	Diaphragm	1000244	1000245	1000246	1034612

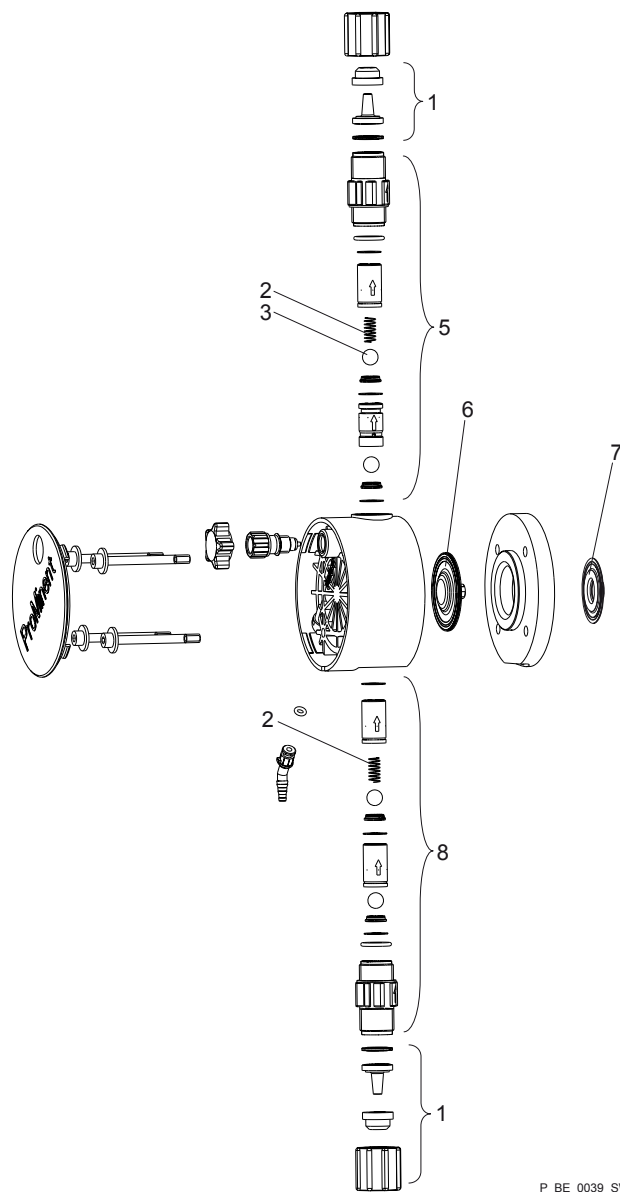
Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Exploded Views of Liquid Ends

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
7	Safety diaphragm	1027414	1027414	1027414	1027414
8	Suction valve, compl. 4.7-2 PVT	1023128	1023128	1023128	1023128

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0708 (1008) - 0220 (0420) PP
liquid end with bleed



P_BE_0039_SW

Fig. 2: Beta® 0708 (1008) - 0220 (0420) PP liquid end with bleed

Replacement diaphragms for Beta[®] range

Type	Materials in contact with medium	Order no.	
Type 1000	all materials	1000244	
Type 1601	all materials	1000245	
Type 1602	all materials	1000246	
Type 1604 and Type 2504	all materials	1034612	
Type 0708 and Type 1008	all materials	1000248	
Type 0413 and Type 0713	all materials	1000249	
Type 0220 and Type 0420	all materials	1000250	
Type 0232	all materials	1000251	

	SST	1002556	
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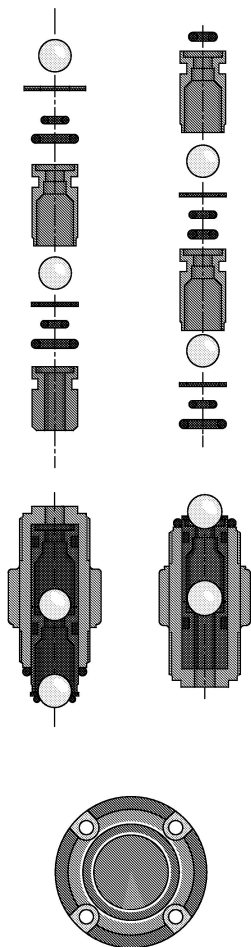
Spare parts kits Beta[®] with self-degassing dosing head

Spare parts kits for Beta[®] with self-degassing head, consisting of:

- 1 pump diaphragm
- 1 suction valve compl.
- 1 discharge valve compl.
- 1 pressure control valve compl.
- 2 valve balls
- 1 set seals
- 1 connector set

Type	Materials in contact with medium	Order no.	
Type 1601	PPE	1001756	
	PPB	1001762	
	NPE	1001660	
	NPB	1001666	
Type 1602	PPE	1001757	
	PPB	1001763	
	NPE	1001661	
	NPB	1001667	
Type 1604	PPE	1035335	
	PPB	1035336	
	NPE	1035333	
	NPB	1035334	
Type 0708 and Type 1008	PPE	1001759	
	PPB	1001765	
	NPE	1001663	
	NPB	1001669	
Type 0413 and Type 0713	PPE	1001760	
	PPB	1001766	
	NPE	1001664	
	NPB	1001670	
Type 0220 and Type 0420	PPE	1001761	
	PPB	1001767	
	NPE	1001665	
	NPB	1001671	

Spare Parts Kits, Replacement Diaphragms



Spare parts kits for Beta[®] consisting of:

- 1 pump diaphragm
- 1 suction valve compl.
- 1 discharge valve compl.
- 2 valve balls
- 1 set seals
- 1 connector set

Suction and pressure valve set not included with stainless steel version.

Spare parts kits Beta[®]

Type	Materials in contact with medium	Order no.	
Type 1000	PPT, NPT, PVT	1023107	
	TTT	1001737	
	SST	1002549	
Type 1601	PPT, NPT, PVT	1023108	
	TTT	1001738	
	SST	1002550	
Type 1602	PPT, NPT, PVT	1023109	
	TTT	1001739	
	SST	1002551	
Type 1604 and Type 2504	PPT, NPT, PVT	1035332	
	PVT HV	1035342	
	TTT	1035330	
	SST	1035331	
Type 0708 and Type 1008	PPT, NPT, PVT	1023111	
	PVT HV	1019067	
	TTT	1001741	
	SST	1002553	
Type 0413 and Type 0713	PPT, NPT, PVT	1023112	
	PVT HV	1019069	
	TTT	1001742	
	SST	1001734	
Type 0220 and Type 0420	PPT, NPT, PVT	1023113	
	PVT HV	1019070	
	TTT	1001754	
	SST	1002555	
Type 0232	PPT, NPT, PVT	1023124	
	TTT	1001755	

Exploded Views of Liquid Ends

Spare parts kits for type:	Material version	Part no.
0708 (1008)	NPE	1001663
0413 (0713)	NPE	1001664
0220 (0420)	NPE	1001665
0708 (1008)	NPB	1001669
0413 (0713)	NPB	1001670
0220 (0420)	NPB	1001671

Seal sets	Material	Part no.
1 Seal set	EPDM	1001674
1 Seal set	FPM	1001672

The positions listed are included in the spare parts kit.
We reserve the right to make technical modifications.

Pos.	Part	Material version	Part no.
9	Connector kit 12/9	PPE	817162
9	Connector kit 12/9	PPB	817175
9	Connector kit 12/9	PCE	790577
9	Connector kit 12/9	PCB	817067
3	4 Valve balls		7500289
4	Bleed valve	PPE	1001063
4	Bleed valve	PPB	1001062
4	Bleed valve	PCE	1001061
4	Bleed valve	PCB	1001060
5	Discharge valve compl.	PPE	1001071
5	Discharge valve compl.	PPB	1001070
5	Discharge valve compl.	PCE	1001069
5	Discharge valve compl.	PCB	1001068
6	Diaphragm 0708		1000248
6	Diaphragm 0413		1000249
6	Diaphragm 0220		1000250
7	Safety diaphragm		1027414
8	Suction valve compl.	PPE	1001437
8	Suction valve compl.	PPB	1001436
8	Suction valve compl.	PCE	1001435
8	Suction valve compl.	PCB	1001434

Spare parts kits for type:	Material version	Part no.
0708 (1008)	PPE	1001759
0413 (0713)	PPE	1001760
0220 (0420)	PPE	1001761
0708 (1008)	PPB	1001765
0413 (0713)	PPB	1001766
0220 (0420)	PPB	1001767

Beta® 0708 (1008) - 0220 (0420) PP /
NP SEK liquid end, self-bleeding

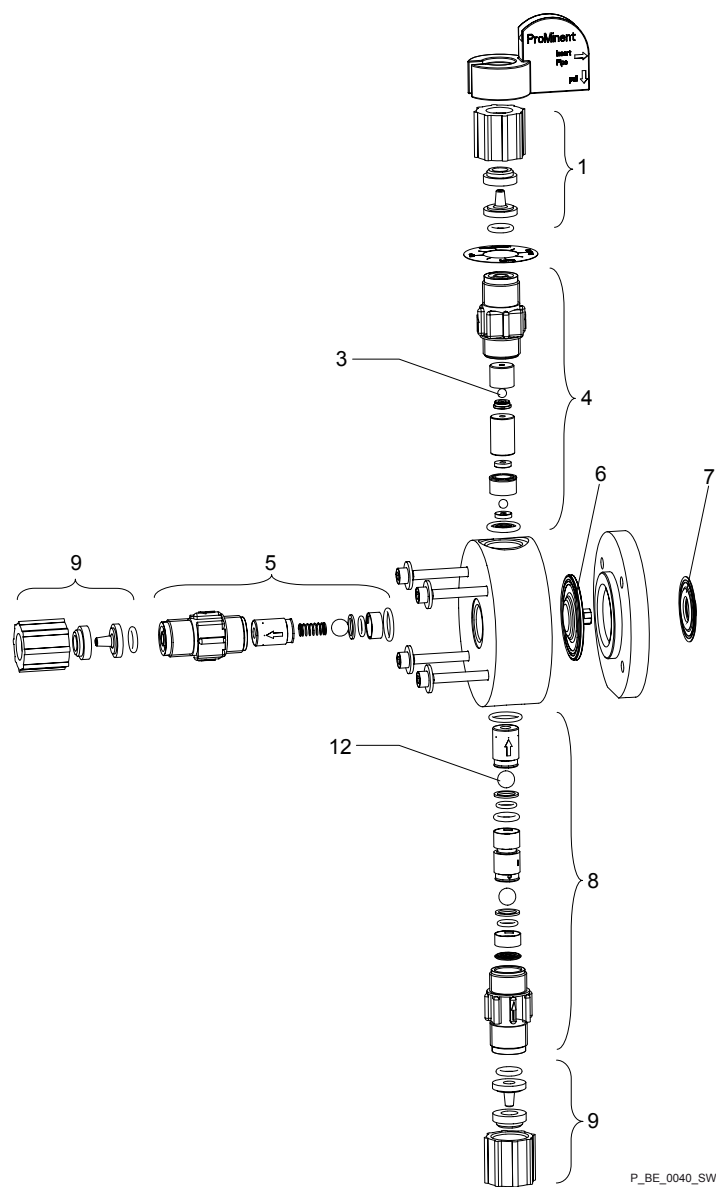


Fig. 18: Beta® 0708 (1008) - 0220 (0420) PP / NP SEK liquid end, self-bleeding

Pos.	Part	Material ver- sion	Part no.
1	Connector kit 6/4	PPE	817160
1	Connector kit 6/4	PPB	817173
1	Connector kit 6/4	PCE	791161
1	Connector kit 6/4	PCB	817165
9	Connector kit 8/5	PPE	817161
9	Connector kit 8/5	PPB	817174
9	Connector kit 8/5	PCE	792058
9	Connector kit 8/5	PCB	817066

Spare parts kits for type:	Material version	Part no.
1601	PPB	1001762
1602	PPB	1001763
1604 with spring	PPB	1035336
1604 without spring	PPB	1035340
1601	NPE	1001660
1602	NPE	1001661
1604 without spring	NPE	1035337
1604 with spring	NPE	1035333
1601	NPB	1001666
1602	NPB	1001667
1604 without spring	NPB	1035338
1604 with spring	NPB	1035334

Seal sets	Material	Part no.
1 Seal set	EPDM	1001674
1 Seal set	FPM	1001672

The positions listed are included in the spare parts kit.

We reserve the right to make technical modifications.

Exploded Views of Liquid Ends

Pos.	Part	Material version	Part no.
9	With 2504: Connector kit 8/4	PCB	1035844
10	With 2504: Connector kit 6/4	PCE	791161
10	With 2504: Connector kit 6/4	PCB	817065
3	4 Valve balls		7500289
4	Bleed valve	PPE	1001063
4	Bleed valve	PPB	1001062
4	Bleed valve	PCE	1001061
4	Bleed valve	PCB	1001060
5	Discharge valve compl.	PPE	1001067
5	Discharge valve compl.	PPB	1001066
5	Discharge valve compl.	PCE	1001065
5	Discharge valve compl.	PCB	1001064
6	Diaphragm 1601		1000245
6	Diaphragm 1602		1000246
6	Diaphragm 1604		1034612
7	Safety diaphragm		1027414
8	Suction valve compl.	PPE	792644
8	Suction valve compl.	PPB	792646
8	Suction valve compl.	PCE	792119
8	Suction valve compl.	PCB	792026

Spare parts kits for type:	Material version	Part no.
1601	PPE	1001756
1602	PPE	1001757
1604 with spring	PPE	1035335
1604 without spring	PPE	1035339

Beta® 1601 - 1604 PP SEK and 1601 - 1604 NP SEK liquid end, self-bleeding

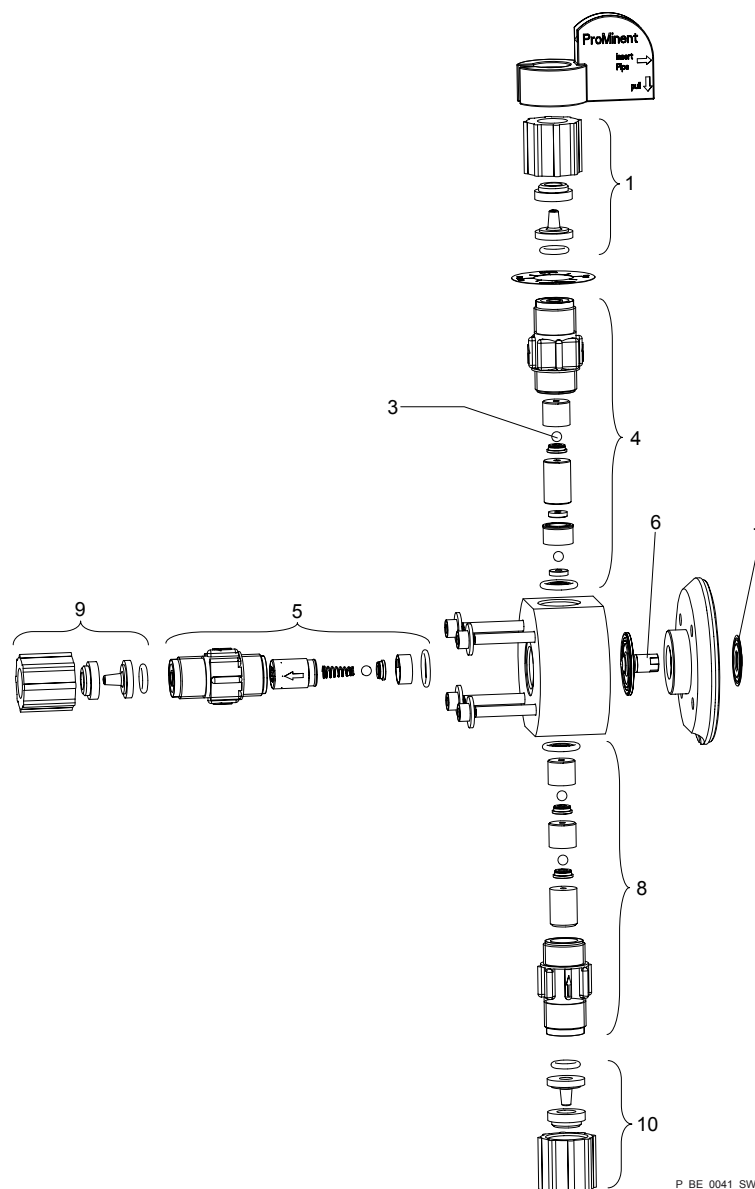


Fig. 17: Beta® 1601 - 1604 PP SEK and 1601 - 1604 NP SEK liquid end, self-bleeding

Pos.	Part	Material version	Part no.
1, 9, 10	Connector kit 6/4	PPE	817160
1, 9, 10	Connector kit 6/4	PPB	817173
1, 9, 10	Connector kit 6/4	PCE	791161
1, 9, 10	Connector kit 6/4	PCB	817165
9, 10	Connector kit 8/5	PPE	817161
9, 10	Connector kit 8/5	PPB	817174
9, 10	Connector kit 8/5	PCE	792058
9, 10	Connector kit 8/5	PCB	817066

Beta® 0232 SS liquid end

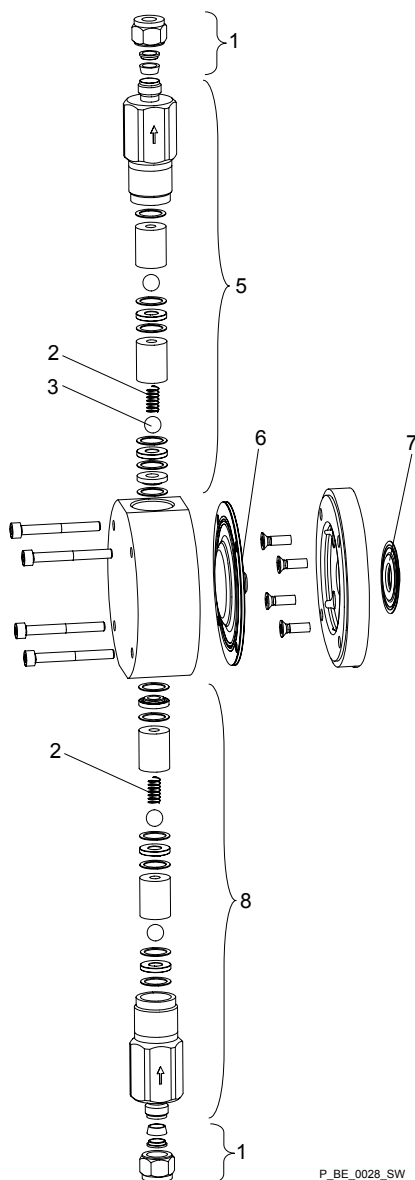


Fig. 16: Beta® 0232 SS liquid end

Pos.	Description	Type 0232
1	Connector kit 12 mm SS	104245
3	4 Valve balls	7500290
5	Discharge valve compl. 12 mm SST	809446
6	Diaphragm	1000251
7	Safety diaphragm	1027414
8	Suction valve compl. 12 mm SST	809447

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0708 (1008) - 0220 (0420) SS
liquid end

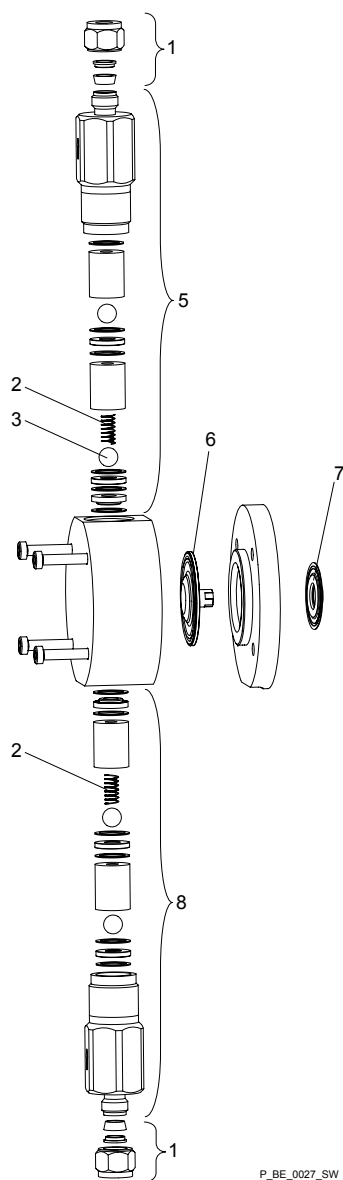


Fig. 15: Beta® 0708 (1008) - 0220 (0420) SS liquid end

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
1	Connector kit 8 mm SS	104237	104237	104245
3	4 Valve balls	7500290	7500290	7500290
5	Discharge valve compl. 8 mm SST	809494	809494	809446
6	Diaphragm	1000248	1000248	1000250
7	Safety diaphragm	1027414	1027414	1027414
8	Suction valve compl. 8 mm SST	809495	809495	809447

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Exploded Views of Liquid Ends

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
5	Discharge valve compl. 6 mm SST	809418	809418	809418	809418
6	Diaphragm	1000244	1000245	1000246	1034612
7	Safety diaphragm	1027414	1027414	1027414	1027414
8	Suction valve compl. 6 mm SST	809419	809419	809419	809419

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Pos.	Description	Type 0232
7	Safety diaphragm	1027414
8	Suction valve compl. TTT	809445

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 1000 - 1604 SS liquid end

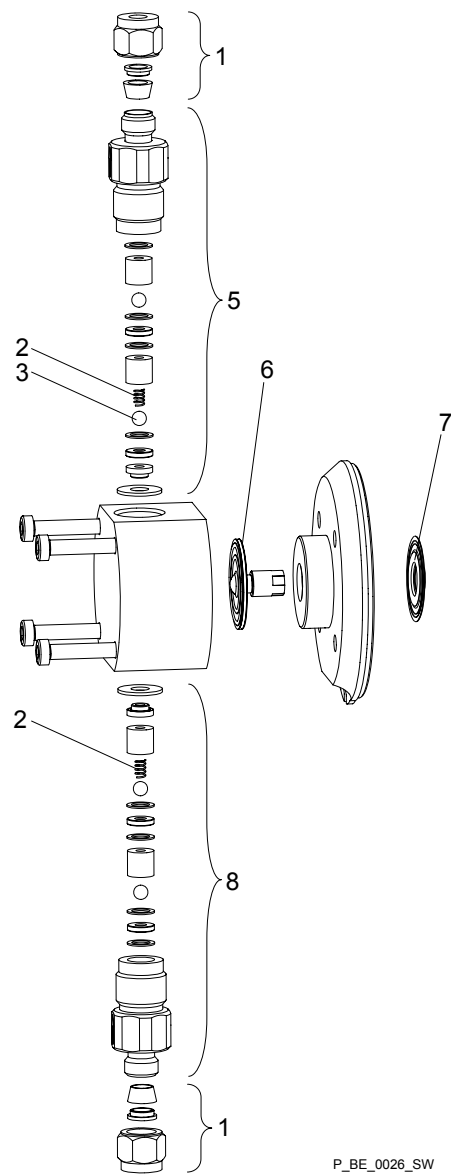


Fig. 14: Beta® 1000 - 1604 SS liquid end

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
1	Connector kit 6 mm SS	104233	104233	104233	104233
3	4 Valve balls	7500289	7500289	7500289	7500289

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0232 TT liquid end

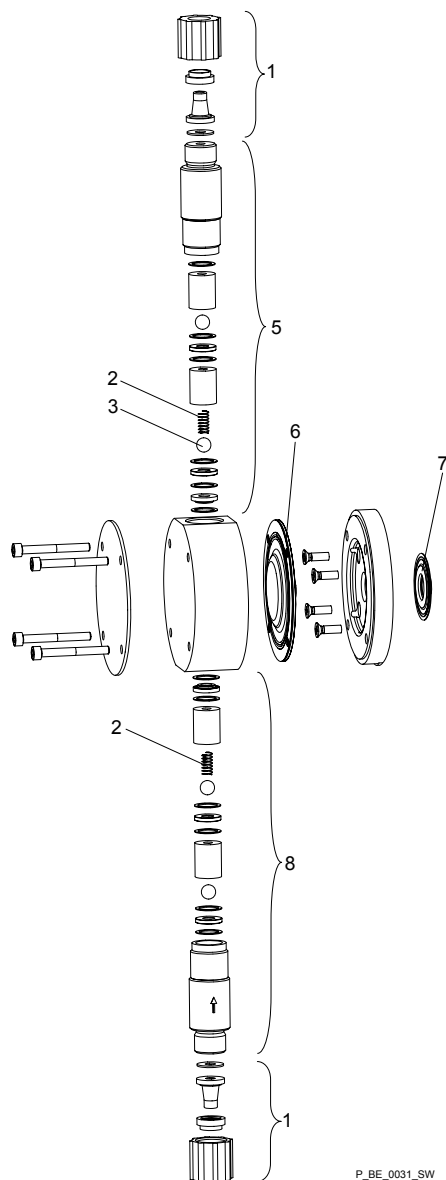


Fig. 13: Beta® 0232 TT liquid end

- | | | | |
|---|-----------------------------------|---|---------------------------------|
| 1 | Connector kit 12/9 TTT 791199 | 5 | Diaphragm 0232 1000251 |
| 2 | Spring, special accessory | 6 | Safety membrane 1027414 |
| 3 | 4 Valve balls 7500290 | 7 | Suction valve compl. TTT 809445 |
| 4 | Discharge valve compl. TTT 809444 | | |

Pos.	Description	Type 0232
1	Connector kit 12/9 TTT	791199
3	4 Valve balls	7500290
5	Discharge valve compl. TTT	809444
6	Diaphragm	1000251

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0708 (1008) - 0220 (0420) TT
liquid end

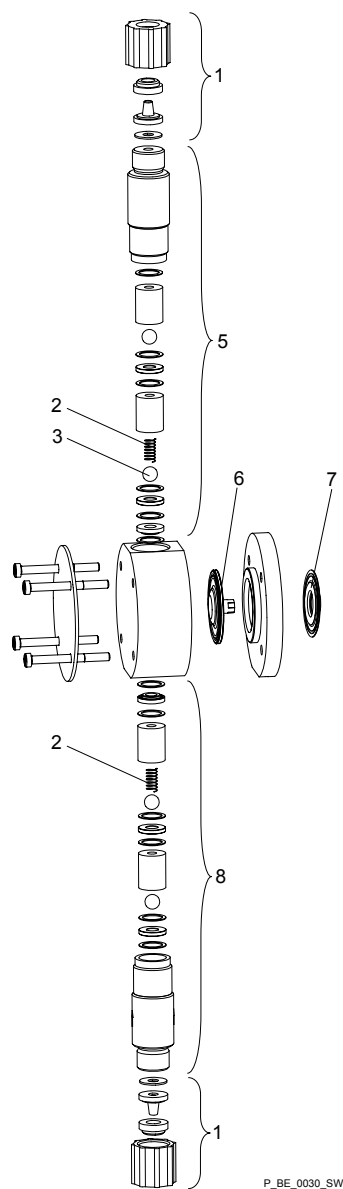


Fig. 12: Beta® 0708 (1008) - 0220 (0420) TT liquid end

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
1	Connector kit 8/5 TTT	817204	817204	817204
3	4 Valve balls	7500290	7500290	7500290
5	Discharge valve, compl. 9.2-2 TTT	809444	809444	809444
6	Diaphragm	1000248	1000249	1000250
7	Safety diaphragm	1027414	1027414	1027414
8	Suction valve, compl. 9.2-2 TTT	809445	809445	809445

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 1000 - 1604 TT liquid end

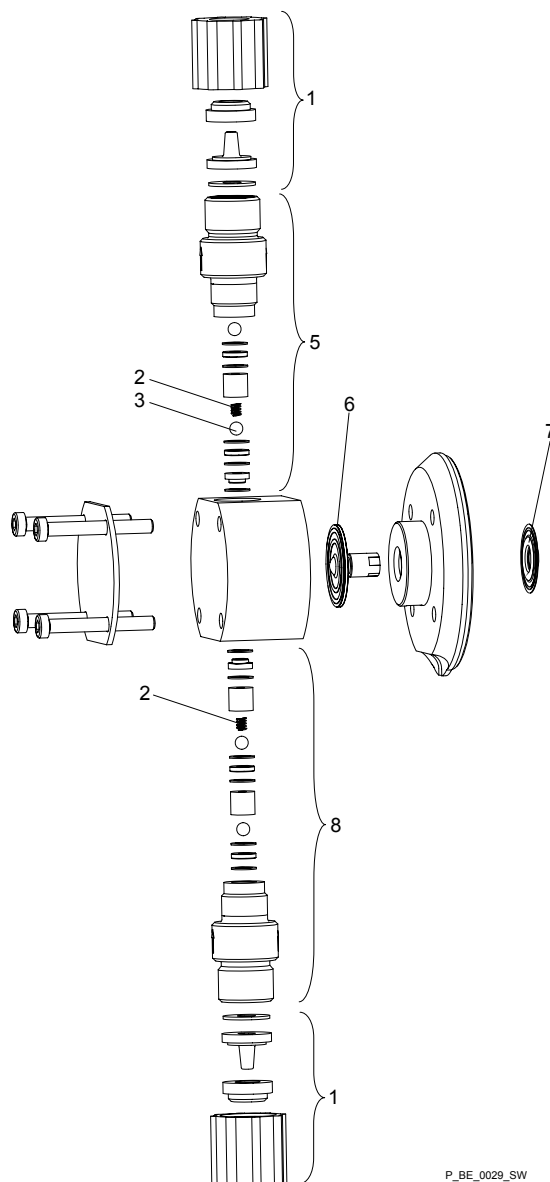
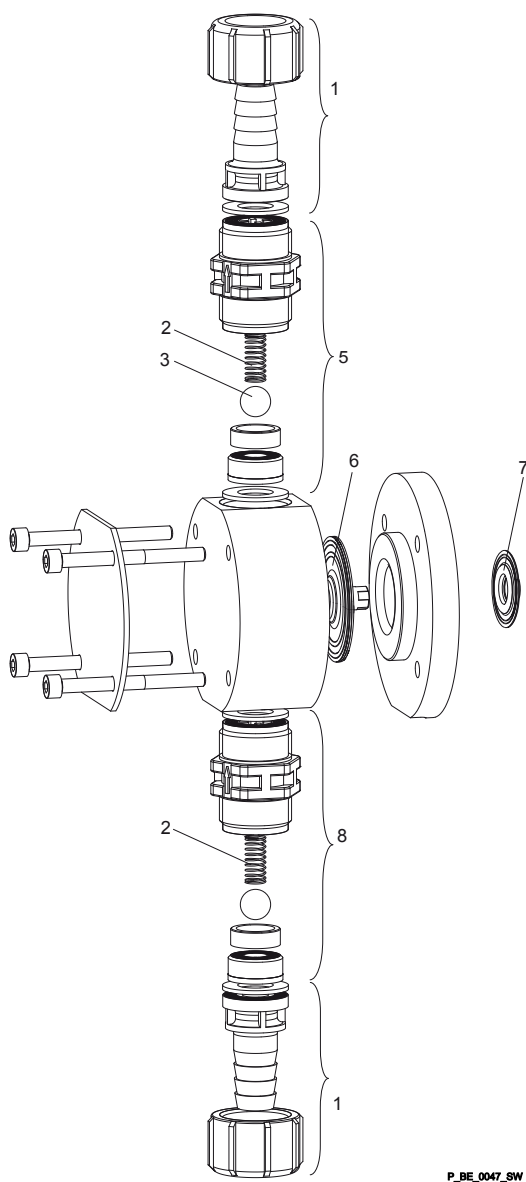


Fig. 11: Beta® 1000 - 1604 TT liquid end

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
1	Connector kit 6/4 TTT	817201	817201	817201	817201
3	4 Valve balls	7500289	7500289	7500289	7500289
5	Discharge valve, compl. 4.7-2 TTT	809406	809406	809406	809406
6	Diaphragm	1000244	1000245	1000246	1034612
7	Safety diaphragm	1027414	1027414	1027414	1027414
8	Suction valve, compl. 4.7-2 TTT	809407	809407	809407	809407

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 1604 - 0220 (0420) PV HV
liquid end, for highly viscous feed
chemicals



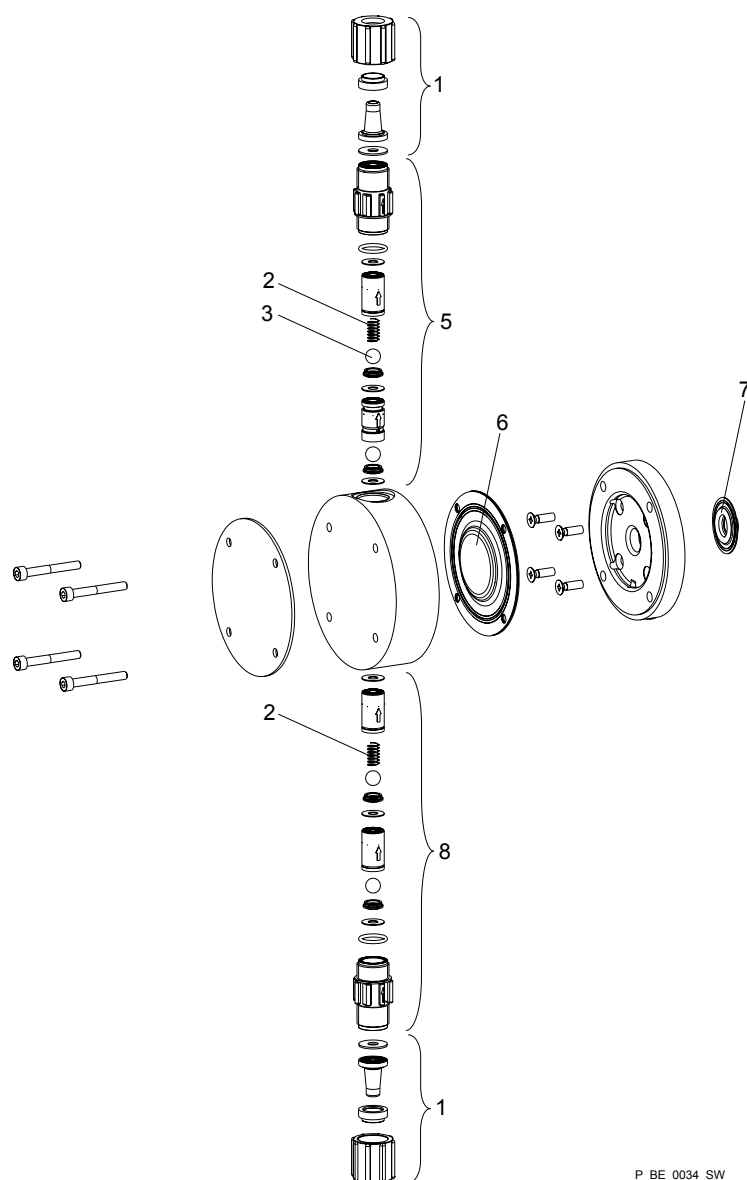
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Fig. 10: Beta® 1604 - 0220 (0420) PV HV liquid end, for highly viscous feed chemicals

Pos.	Description	Type 1604	Type 0708	Type 0413	Type 0220
1	Connector kit DN10 HV with PVT tube nozzle	1017405	1017405	1017405	1017405
3	4 Valve balls	7500291	7500291	7500291	7500291
6	Diaphragm	1034612	1000248	1000249	1000250
7	Safety diaphragm	1027414	1027414	1027414	1027414

The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0232 PV liquid end without bleed valve



P_BE_0034_SW

Fig. 9: Beta® 0232 PV liquid end without bleed valve

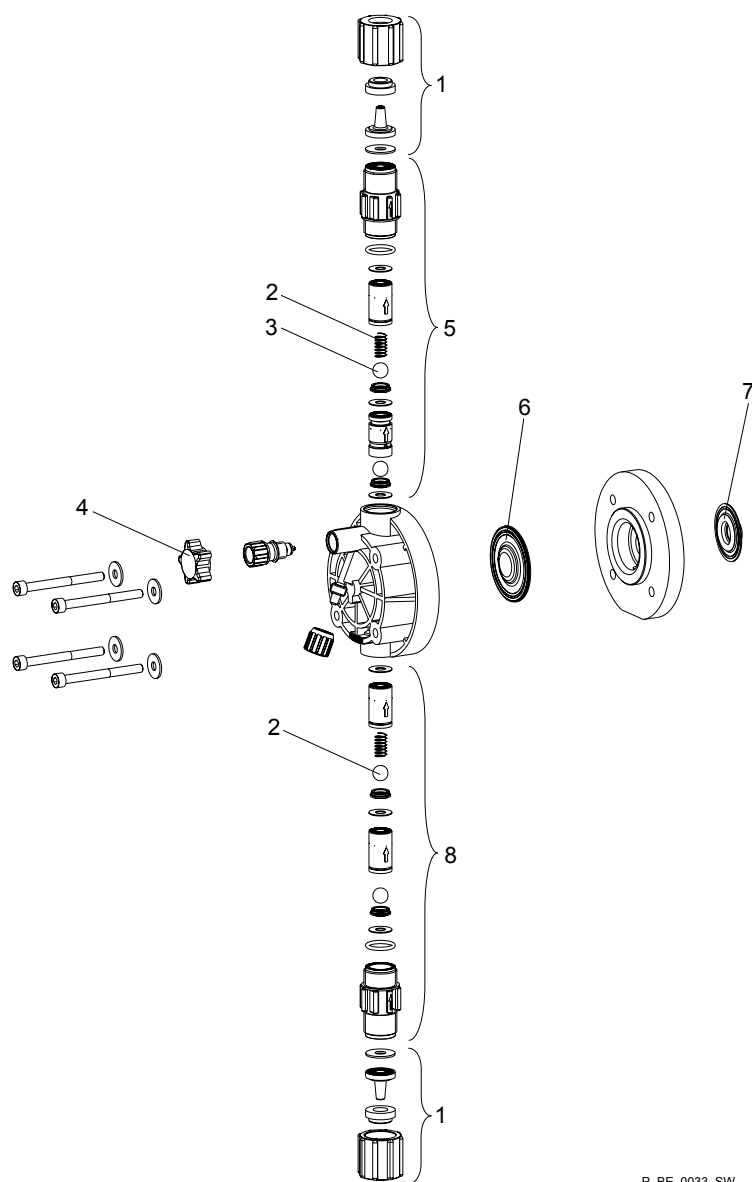
Pos.	Description	Type 0232
1	Connector kit 12/9 FVD PVT	1035659
3	4 Valve balls	7500290
5	Discharge valve, compl. 9.2-2 PVT	1023125
6	Diaphragm	1000251
7	Safety diaphragm	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
7	Safety diaphragm	1027414	1027414	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126	1023126	1023126

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0708 (1008) - 0220 (0420) PV liquid end with bleed valve



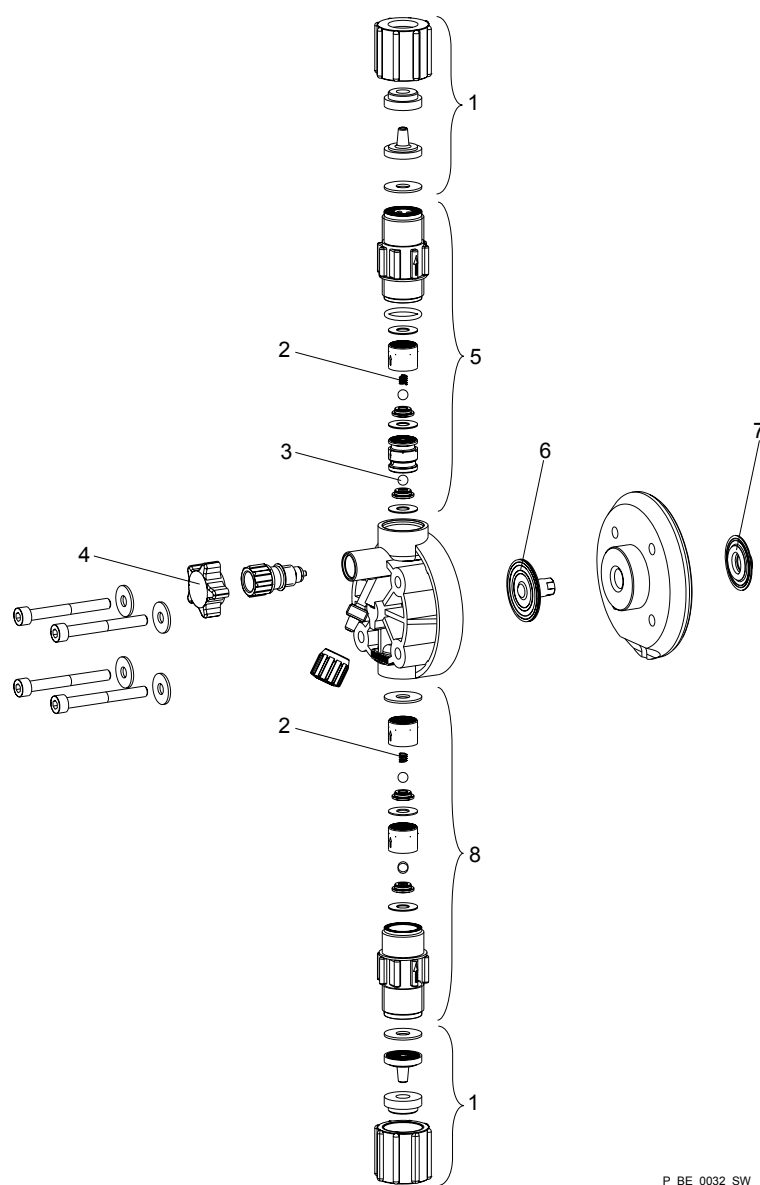
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Fig. 8: Beta® 0708 (1008) - 0220 (0420) PV liquid end with bleed valve

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
1	Connector kit 8/5 PVT	1035661	1035661	1035661
3	4 Valve balls	7500290	7500290	7500290
4	Bleed valve	791365	791365	791365
5	Discharge valve, compl. 9.2-2 PVT	1023125	1023125	1023125
6	Diaphragm	1000248	1000249	1000250

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 1000 - 1604 PV liquid end with bleed valve



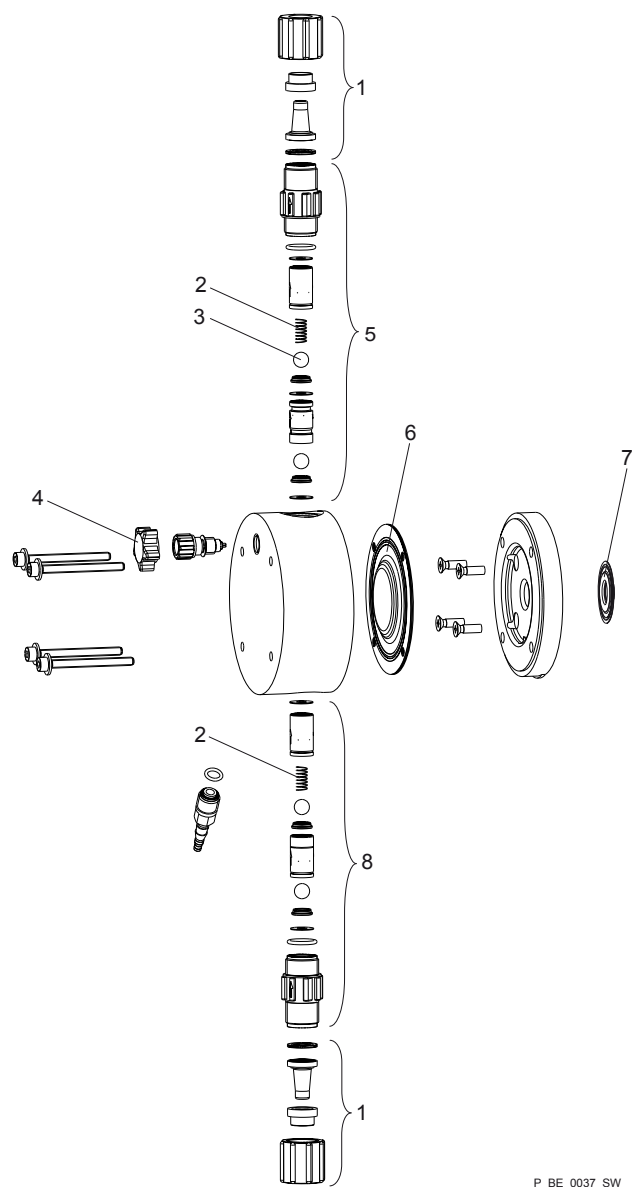
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Fig. 7: Beta® 1000 - 1604 PV liquid end with bleed valve

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
1	Connector kit 6/4 PVT	1035660	1035660	1035660	1035660
3	4 Valve balls	7500289	7500289	7500289	7500289
4	Bleed valve	791365	791365	791365	791365
5	Discharge valve, compl. 4.7-2 PVT	1023127	1023127	1023127	1023127
6	Diaphragm	1000244	1000245	1000246	1034612
7	Safety diaphragm	1027414	1027414	1027414	1027414
8	Suction valve, compl. 4.7-2 PVT	1023128	1023128	1023128	1023128

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0232 NP liquid end with and without bleed valve



P_BE_0037_SW

Fig. 6: Beta® 0232 NP liquid end with and without bleed valve

Pos.	Description	Type 0232
1	Connector kit 12/9 PVT	1024584
3	4 Valve balls	7500290
5	Discharge valve, compl. 9.2-2 PVT	1023125
6	Diaphragm	1000251
7	Safety diaphragm	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126

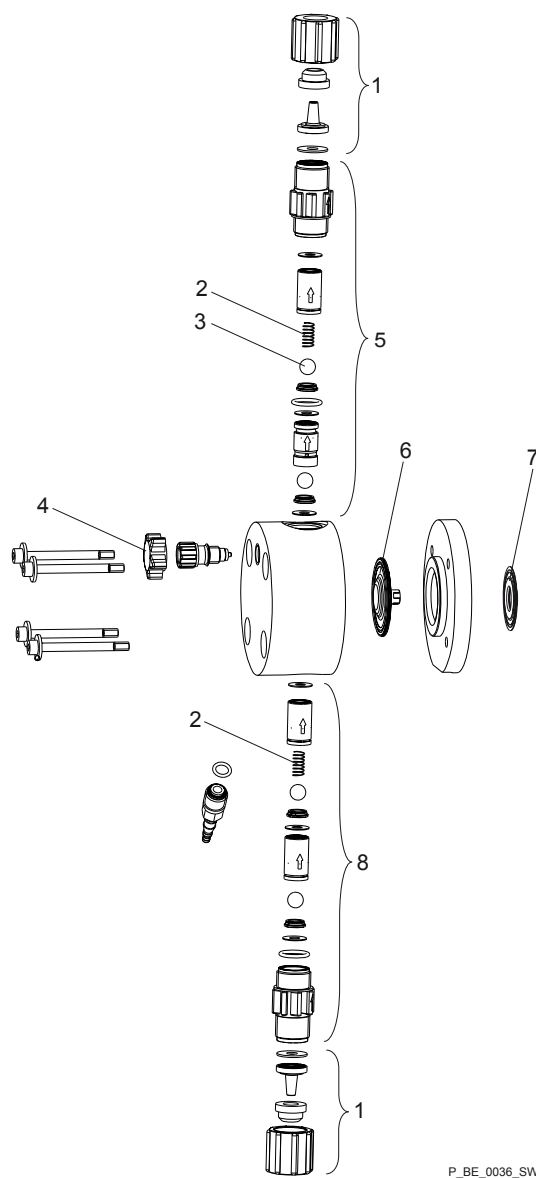
Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
7	Safety diaphragm	1027414	1027414	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126	1023126	1023126

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Exploded Views of Liquid Ends

Beta® 0708 (1008) - 0220 (0420) NP
liquid end with and without bleed
valve



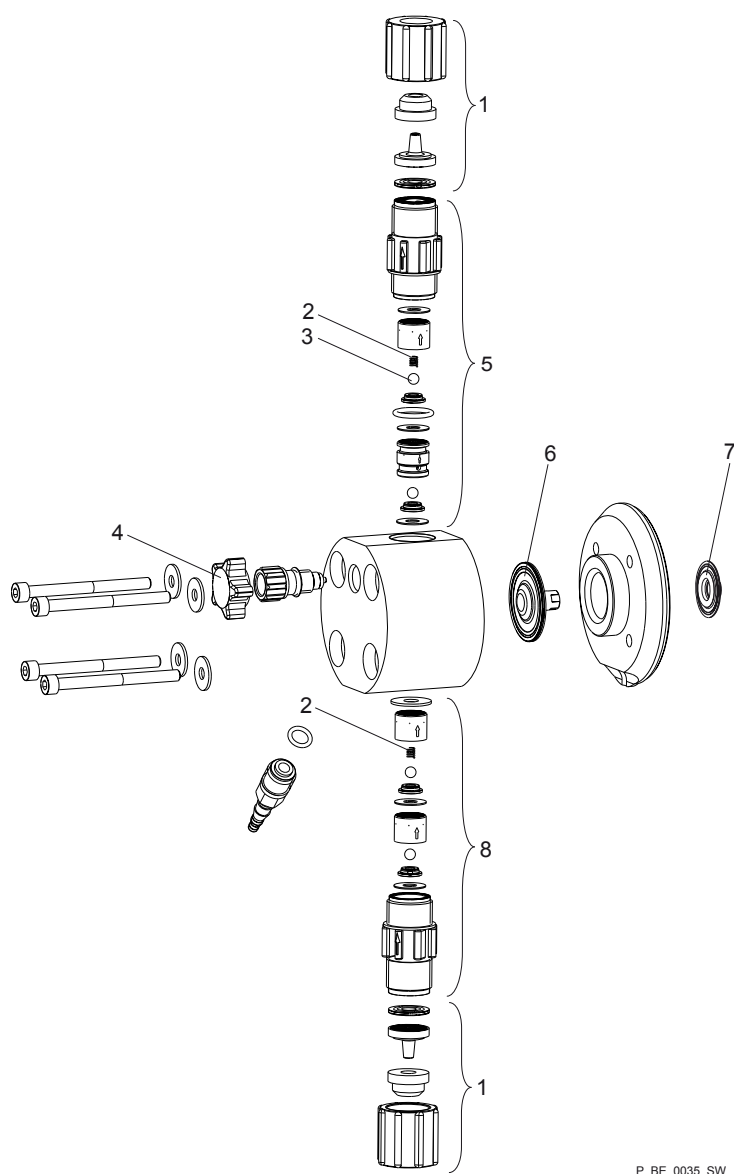
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Fig. 5: Beta® 0708 (1008) - 0220 (0420) NP liquid end with and without bleed valve

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
1	Connector kit 8/5 PVT	1023247	1023247	1023247
3	4 Valve balls	7500290	7500290	7500290
4	Bleed valve	791365	791365	791365
5	Discharge valve, compl. 9.2-2 PVT	1023125	1023125	1023125
6	Diaphragm	1000248	1000249	1000250

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

**Beta® 1000 - 1604 NP liquid end with
and without bleed valve**



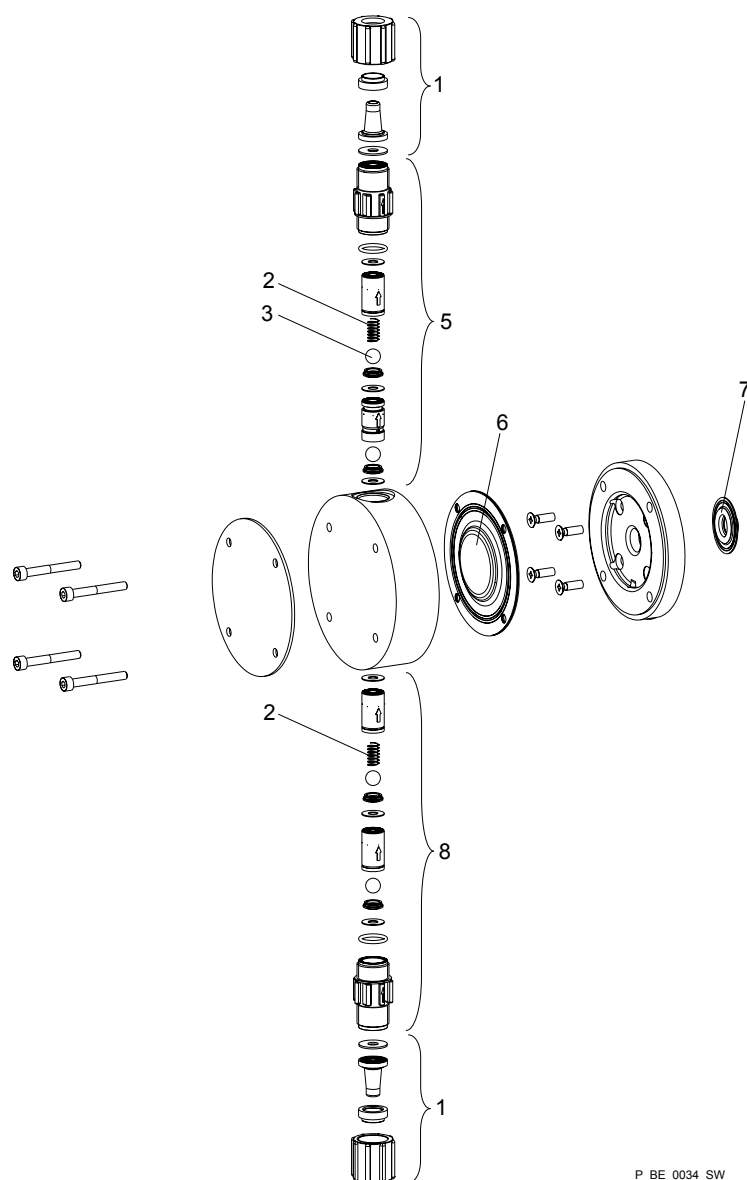
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Fig. 4: Beta® 1000 - 1604 NP liquid end with and without bleed valve

Pos.	Description	Type 1000	Type 1601	Type 1602	Type 1604
1	Connector kit 6/4 PVT	1023246	1023246	1023246	1023246
3	4 Valve balls	7500289	7500289	7500289	7500289
4	Bleed valve	1021662	1021662	1021662	1021662
5	Discharge valve, compl. 4.7-2 PVT	1023127	1023127	1023127	1023127
6	Diaphragm	1000244	1000245	1000246	1034612
7	Safety diaphragm	1027414	1027414	1027414	1027414
8	Suction valve, compl. 4.7-2 PVT	1023128	1023128	1023128	1023128

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Beta® 0232 PP liquid end without bleed valve



P_BE_0034_SW

Fig. 3: Beta® 0232 PP liquid end without bleed valve

Pos.	Description	Type 0232
1	Connector kit 12/9 PVT	1024584
3	4 Valve balls	7500290
5	Discharge valve, compl. 9.2-2 PVT	1023125
6	Diaphragm	1000251
7	Safety diaphragm	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.

Pos.	Description	Type 0708 (1008)	Type 0413 (0713)	Type 0220 (0420)
1	Connector kit 8/5 PVT	1023247	1023247	1023247
3	4 Valve balls	7500290	7500290	7500290
4	Bleed valve	791365	791365	791365
5	Discharge valve, compl. 9.2-2 PVT	1023125	1023125	1023125
6	Diaphragm	1000248	1000249	1000250
7	Safety diaphragm	1027414	1027414	1027414
8	Suction valve, compl. 9.2-2 PVT	1023126	1023126	1023126

Spring (pos. 2) is a special accessory. The positions listed are included in the spare parts kit. We reserve the right to make technical modifications.