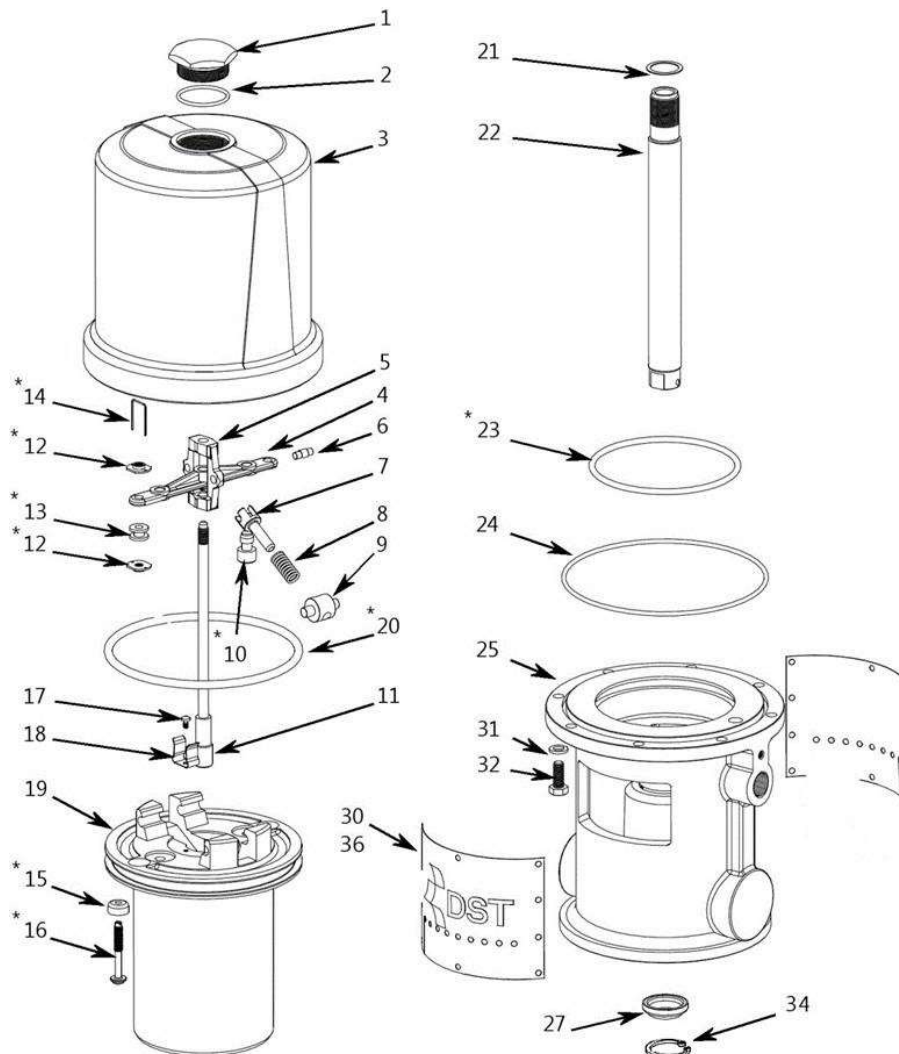


DSTech MANUAL

P301-100 Air Motor Part Drawing



No	D Code	G Code	Description	Qty	No	D Code	G Code	Description	Qty
1	P301-001	161-435	NUT, cylinder cap	1	17	P301-017	102-975	SCREW	2
2	P301-002	156-698	O-RING	1	18	P301-018	158-361	CLIP, spring	2
3	P301-003	162-629	CYLINDER, motor	1	19	P301-019		PISTON	1
4	P301-004	158-359	ACTUATOR, valve	1	20	P301-020	158-378	O-RING, piston	1
5	P301-005	158-360	YOKE	1	21	P301-021	150-647	GASKET, copper	1
6	P301-006	158-362	PIN, toggle	2	22	P301-022	164-925	ROD, piston	1
7	P301-007	160-623	ARM, toggle	2	23	P301-023	158-379	O-RING	1
8	P301-008	167-585	SPRING	2	24	P301-024	158-377	SEAL	1
9	P301-009	158-364	ROCKER, toggle	2	25	P301-025	164-924	BASE	1
10	P301-010	170-709	POPPET, valve	2	27	P301-027		DUST SEAL	1
11	P301-011	207-150	TRIP ROD	1	30	P301-030	177-844	PLATE, identification	2
12	P301-012	160-261	NUT, adjusting	4	31	P301-031		WASHER	8
13	P301-013	158-367	GROMMET, rubber	2	32	P301-032	101-578	SCREW	8
14	P301-014	160-618	LOCKWIRE	2	34	P301-034		SNAP RING	1
15	P301-015	170-708	POPPET, valve	2	36	P301-306		RIVET, plate	20
16	P301-016	160-896	STEM, valve	2					

Note : part marked in color are the spare parts

PART NO 10, 12, 13, 14, 15, 16, 20, 23

Included in [Repair KIT No P301-500\(207-385\)](#)

INSTRUCTIONS-PARTS LIST

2018.03.12 Rev12

P-Type Spray Pump

Part No. **P301-L303** 30:1 Ratio

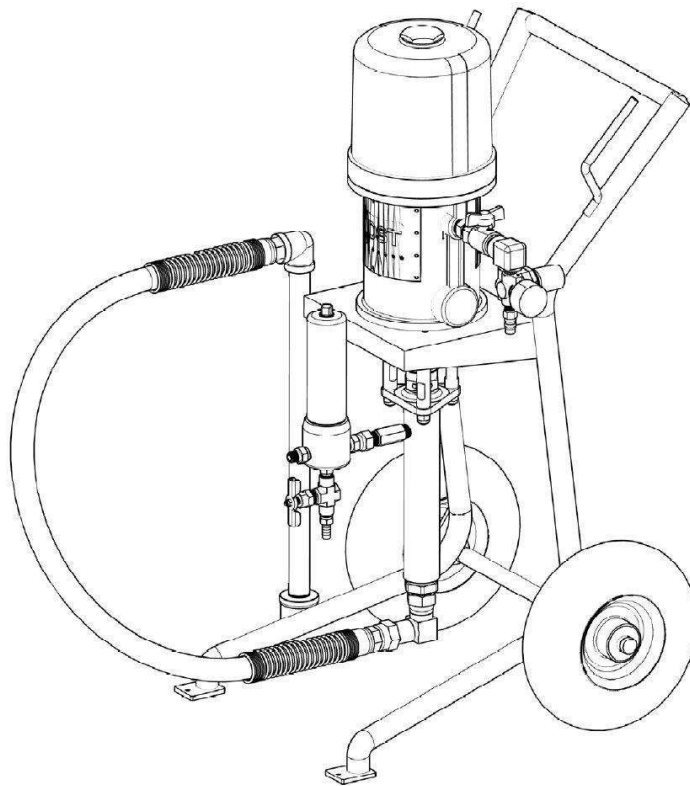
100 psi (7 bar) MAXIMUM AIR INLET PRESSURE

3108 psi (214 bar) MAXIMUM FLUID WORKING PRESSURE

Part No. **P301-L231** 50:1 Ratio

100 psi (7 bar) MAXIMUM AIR INLET PRESSURE

5243 psi (361 bar) MAXIMUM FLUID WORKING PRESSURE



DSTech Co., LTD.

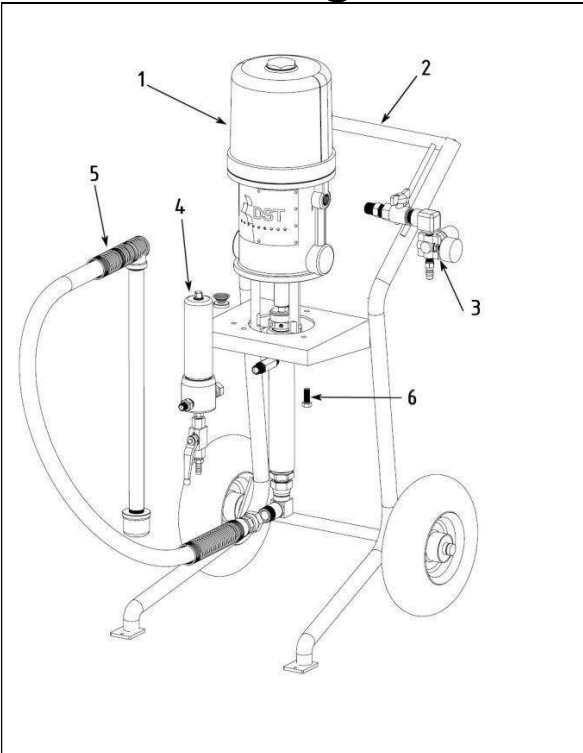
#1461-2, Songjung-dong, Gangseo-gu,
Busan, Korea (618-817)

Tel: 82-51-207-8006

Fax: 82-51-207-8831

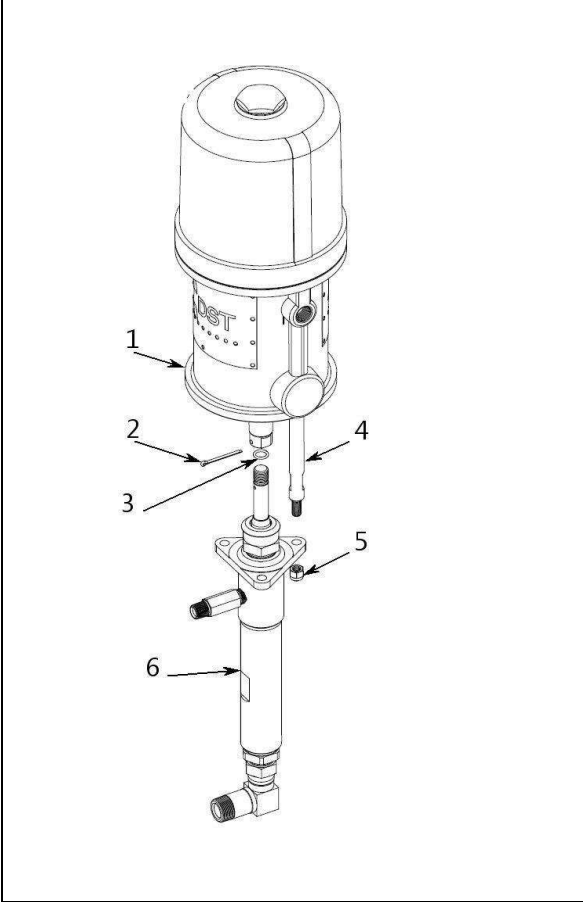
www.dstpump.com

Parts drawing and Parts List



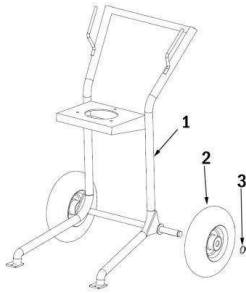
NO	D Code	G Code	DESCRIPTION	Qty
1	P301-Lxxx-1	223-586	BARE	1
2	P300-200	224-044	CART	1
3	P300-300		AIR REGULATOR ASS'Y	1
4	SG300-400		SURGE TANK (small)	1
5	S300-500	214-960	SUCTION HOSE ASS'Y	1
6	S300-001	100-270	BOLT	3

P301-Lxxx-1 BARE



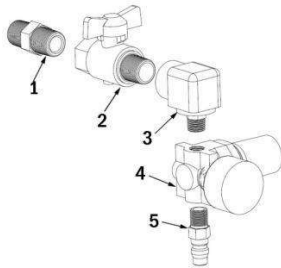
No	D Code	G Code	Description	Qty
1	P301-100	207-352	AIR MOTOR	1
2	P301-101	101-946	COTTER PIN	1
3	P301-102	156-082	O-RING	1
4	P301-103	168-221	TIE ROD	3
5	P301-104	101-566	NUT	3
6	Lxxx-100	221-074	DIS. PUMP	1

P300-200 CART



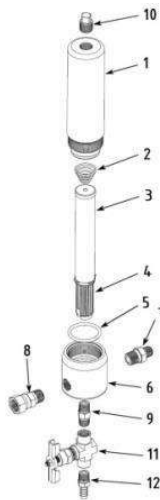
No	D Code	Description	Qty
1	P300-201	CART	1
2	P300-202	TIRE	2
3	P300-203	SNAP RING	2

P300-300 AIR REGULATOR KIT



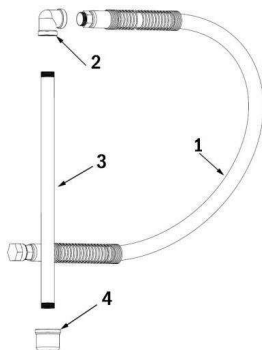
No	D Code	Description	Qty
1	P300-301	NIPPLE	1
2	P300-302	AIR SHOUTOFF VALVE	1
3	P300-303	ELBOW	1
4	P300-304	AIR REGULATOR	1
5	P300-305	NIPPLE	

SG300-400 SURGE TANK



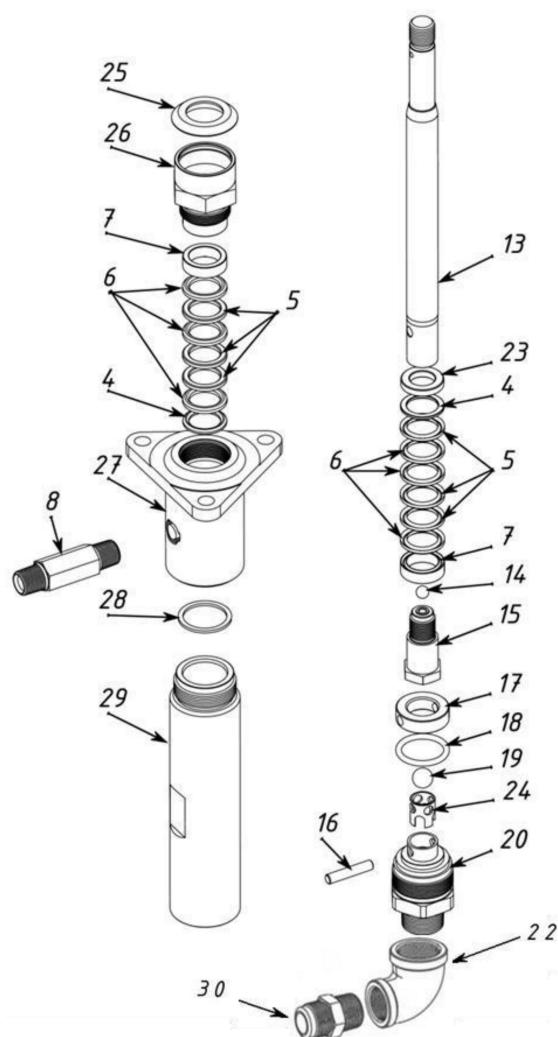
No	D Code	Description	Qty
1	SG300-001	BOWL	1
2	SG300-002	SPRING, compression	1
3	S302-003	SCREEN, 60mesh	1
4	S302-004	SUPPORT	1
5	S302-005	O-RING	1
6	SG300-006	HOUSING	1
7	S302-007	NIPPLE	1
8	S302-008	SWIVEL MALE	1
9	S302-009	NIPPLE	1
10	S302-010	PLUG	1
11	S302-011	BALL VALVE	1
12	S302-012	HOSE NIPPLE	1
13	SG300-013	PLUG	1

P300-500 SUCTION HOSE ASS'Y



No	D Code	Description	Qty
1	P300-501	SUCTION HOSE	1
2	P300-502	ELBOW	1
3	P300-503	SUCTION TUBE	1
4	P300-504	STRAINER (3/4")	1

L303-100 PUMP (30:1)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
4	L301-004	186-182	GLAND , male	2
5	L301-005	164-477	V-LEATHER	6
6	L301-006	164-862	UHMWPE	6
7	L301-007	186-181	GLAND , female	2
8	L301-008	160-790	NIPPLE	1
13	L301-013	223-589	DIS. ROD	1
14	L301-014	105-444	BALL(5/16")	1
15	L301-015	223-565	PISTON VALVE	1
16	L301-016	186-179	PIN	1
17	L301-017	186-183	RETAINER	1
18	L301-018	165-052	SEAL(TEFLON)	1
19	L301-019	105-445	BALL(1/2")	1
20	L301-020	223-593	INTAKE	1
22	L301-022	207-648	ELBOW	1
23	L301-023	186-184	RETAINER	1
24	L301-024	186-187	GUIDE , BALL	1
25	L301-025	183-171	PLUG	1
26	L301-026		PACKING , NUT	1
27	L303-027		PUMP HOUSING	1
28	L303-028		PACKING ,	1
29	L303-029		SLEEVE	1
30	L301-022		NIPPLE	1

KIT No **L303-500**

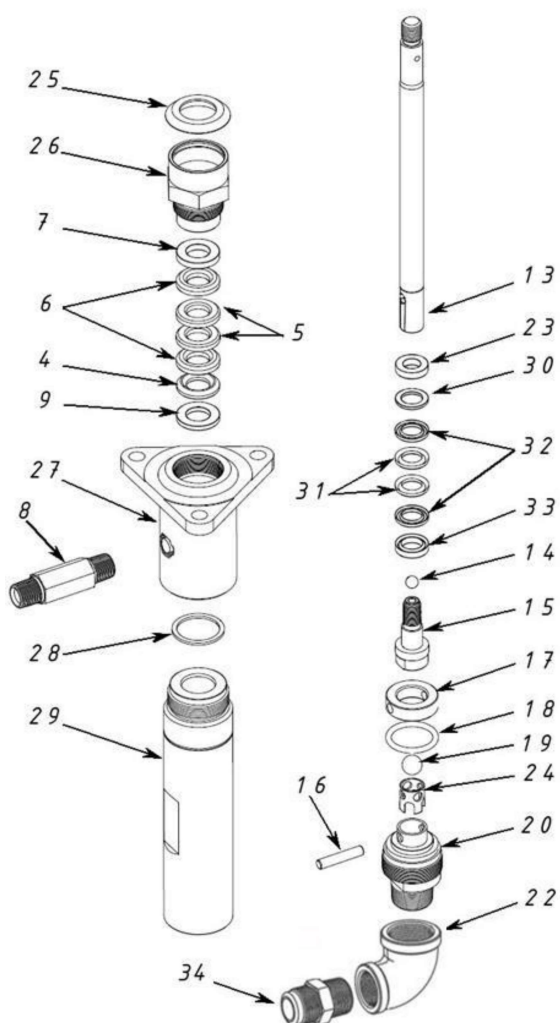
Part No 4, 5, 6, 7, 14, 18, 19, 28 Included in Repair

KIT No **L303-501**

Part No 4, 5, 6, 7, 14, 18, 19, 28 Included in Repair

No 5 Leather V-packing 10ea
No 6 PTFE V-packing 2ea

L231-100 PUMP (50:1)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
4	L231-004	186-196	GLAND , male	1
5	L231-005	164-397	V-LEATHER	2
6	L231-006	108-455	UHMWPE	2
7	L231-007	186-194	GLAND , female	1
8	L231-008	160-790	NIPPLE	1
9	L231-009	164-399	WASHER	1
13	L231-013	207-084	DIS. ROD	1
14	L231-014	101-823	BALL(5/16")	1
15	L231-015	205-538	PISTON VALVE	1
16	L231-016	186-179	PIN	1
17	L231-017	186-183	RETAINER	1
18	L231-018	165-052	SEAL(TEFLON)	1
19	L231-019	105-445	BALL(1/2")	1
20	L231-020	223-593	INTAKE	1
22	L231-022	207-648	ELBOW	1
23	L231-023	164-713	RETAINER	1
24	L231-024	186-187	GUIDE , BALL	1
25	L231-025	183-171	PLUG	1
26	L231-026		PACKING , NUT	1
27	L231-027		PUMP HOUSING	1
28	L231-028		PACKING ,	1
29	L231-029		SLEEVE	1
30	L231-030	186-195	GLAND, male	1
31	L231-031	164-715	V-LEATHER	2
32	L231-032	108-456	UHMWPE	2
33	L231-033	186-198	GLAND, female	1
34	L301-022		NIPPLE	1

KIT No L231-500

Part No 4, 5, 6, 7, 14, 18, 19, 23, 28, 30, 31, 32, 33
Included in Repair

INSTRUCTIONS-PARTS LIST

2018.01.09

Rev4

Stainless Steel **SUS CLEAN PUMP**

M108-L310 **5:1 Ratio**

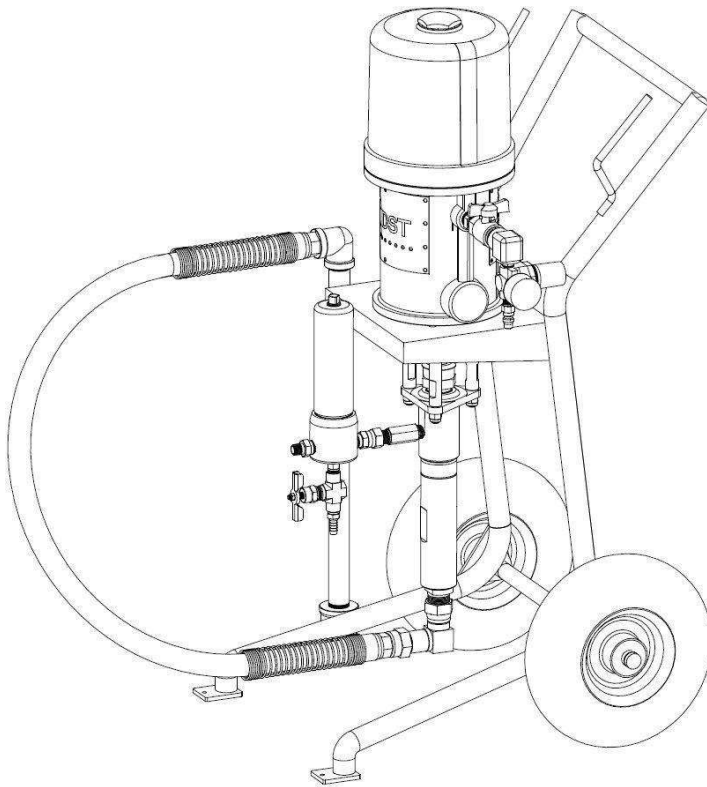
120 psi (8.4 bar) MAXIMUM AIR INLET PRESSURE

581 psi (40bar) MAXIMUM FLUID WORKING PRESSURE

P301-L310 **10:1 Ratio**

180 psi (12.5 bar) MAXIMUM AIR INLET PRESSURE

1757 psi (121 bar) MAXIMUM FLUID WORKING PRESSURE



DSTech Co., LTD.

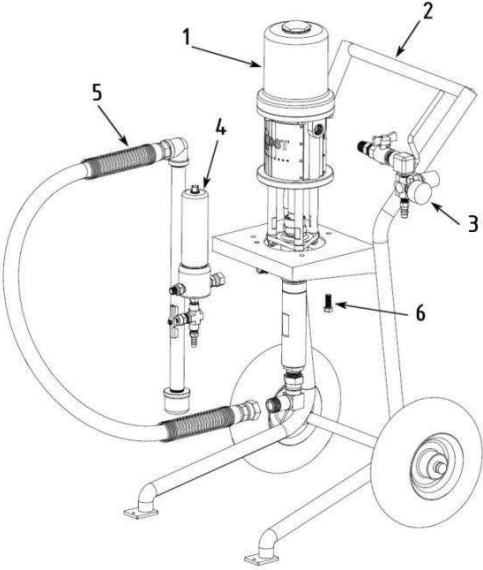
**#1461-2, Songjung-dong, Gangseo-gu,
Busan, Korea (618-817)**

Tel: 82-51-207-8006

Fax: 82-51-207-8831

www.dstpump.com

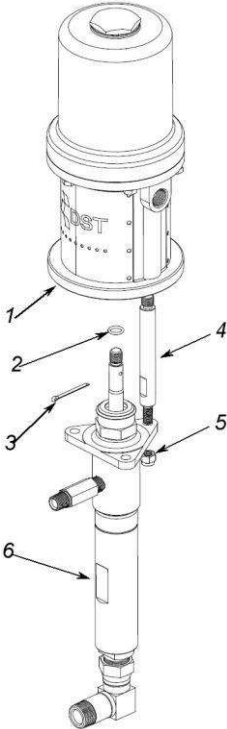
Parts drawing and Parts List



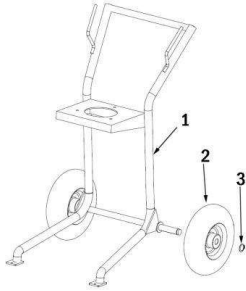
NO	D Code	G PART	DESCRIPTION	Qty
1	M108-100	...	BARE	1
	P301-100			
2	P300-200	224-044	CART	1
3	P300-300		AIR REGULATOR ASS'Y	1
4	S300-404	218-029	SURGE TANK (small)	1
5	P300-500	214-960	SUCTION HOSE ASS'Y	1
6	S300-001	100-270	BOLT	3
ACCESSORIES : Option part 8, 9, 10				

M108-L310-1 BARE

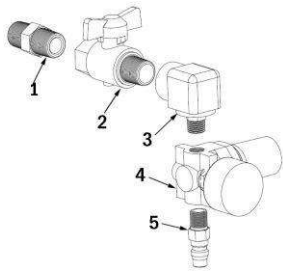
P301-L310-1 BAER



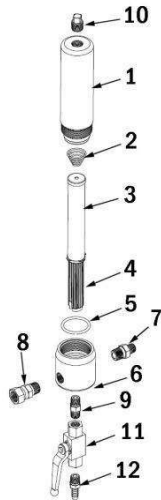
No	D Code	G Code	Description	Qty
1	M108-100	...	AIR MOTOR	1
	P301-100	...	AIR MOTOR	
2	P301-101	101-946	COTTER PIN	1
3	P301-102	156-082	O-RING	1
4	P310-103	166-237	TIE ROD	3
5	P301-104	101-566	NUT	3
6	L310-100	224-344	DIS. PUMP	1

P300-200 CART

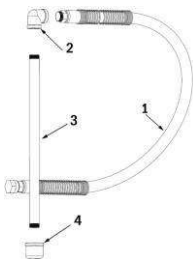
No	D Code	Description	Qty
1	P300-201	CART	1
2	P300-202	TIRE	2
3	P300-203	SNAP RING	2

P300-300 AIR REGULATOR KIT

No	D Code	Description	Qty
1	P300-301	NIPPLE	1
2	P300-302	AIR SHUTOFF VALVE	1
3	P300-303	ELBOW	1
4	P300-304	AIR REGULATOR	1
5	P300-305	NIPPLE	

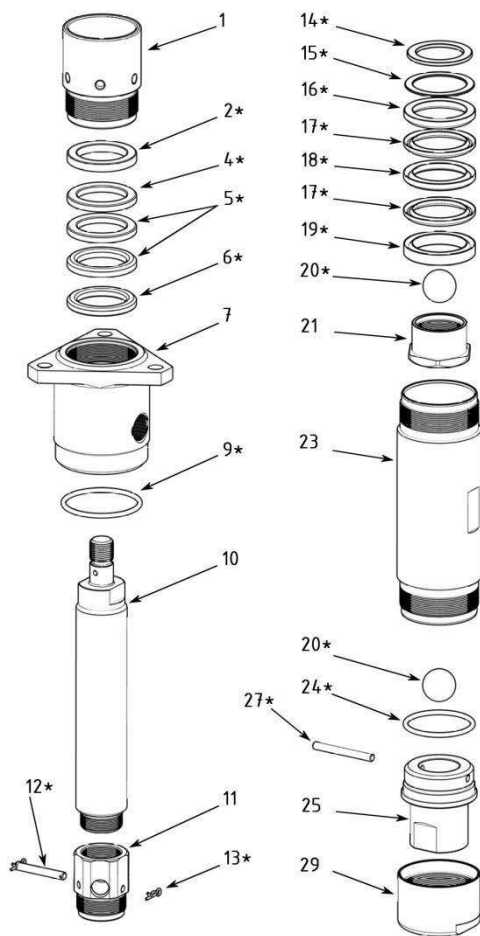
**S300-404 SURGE TANK
(stainless steel)**

No	D Code	G Code	Description	Qty
1	S303-001	172-831	BOWL, stainless	1
2	S302-002	171-942	SPRING,compression	1
3	S302-003	167-025	SCREEN, 60mesh	1
4	S302-004	186-075	SUPPORT, filter	1
5	S302-005	104-361	O-RING, filter	1
6	S305-006	185-631	HOUSING, stainless	1
7	S302-007	.	NIPPLE	1
8	S302-008	.	SWIVEL MALE	1
9	S302-009	.	NIPPLE	1
10	S302-010	.	PLUG	1
11	AHBV-014	.	BALL VALVE	1
12	S302-012	.	HOSE NIPPLE	1

P300-500 SUCTION HOSE ASS'Y

No	D Code	Description	Qty
1	P300-501	SUCTION HOSE	1
2	P300-502	ELBOW	1
3	P300-503	SUCTION TUBE	1
4	P300-504	STRAINER	1

L310-100 PUMP



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
1	L310-001	186-995	PACKING NUT	1
2	L310-002	186-988	GLAND, T.F	1
4	L310-004	170-625	UHMWPE	1
5	L310-005		LEATHER	2
6	L310-006	186-987	GLAND, T.M	1
7	L310-007	205-999	HOUSING	1
9	L310-009	164-782	O-RING	1
10	L310-010	24C-506	DIS. ROD.	1
11	L310-011	176-644	STUD, PISTON	1
12	L310-012	176-637	PIN. PISTON	1
13	L310-013	100-063	SNAP PIN	2
14	L310-014	176-634	WASHER, PISTON	1
15	L310-015	111-790	SHIM, PISTON	1
16	L310-016	186-990	GLAND, P.M	1
17	L310-017	176-638	UHMWPE	2
18	L310-018	111-293	LEATHER	1
19	L310-019	186-989	GLAND, P.F	1
20	L310-020	101-917	BALL	2
21	L310-021	186-993	STUD, PISTON	1
23	L310-023	24C-505	CYLINDER	1
24	L310-024	164-846	O-RING	1
25	L310-025	186-992	HOUSING, INLET	1
27	L310-027	162-947	PIN, BALL STOP	1
29	L310-029	164-630	RING, LOCKING	1

KIT No L310-500 (224-402)

Part No 2, 4, 5, 6, 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 24, 27 Included in Repair