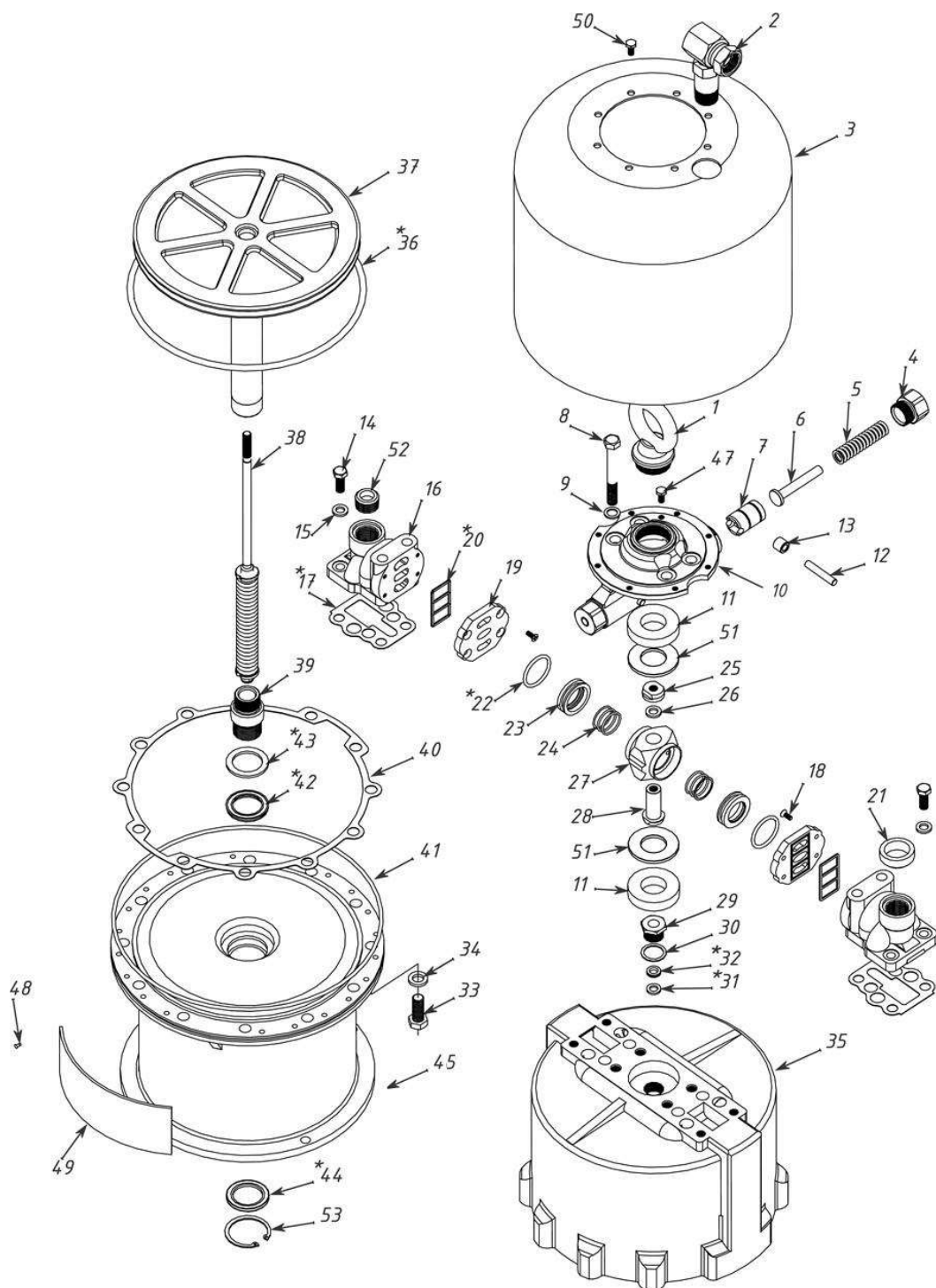


DSTech MANUAL

K254-100 Air Motor Part Drawing



Parts

No	D CODE	Description	Qty	No	D CODE	Description	Qty
1	K254-001	LIFT RING	1	27	K254-027	VALVE HOUSING	1
2	K254-002	ADAPTER UNION	1	28	K254-028	HUB	1
3	K254-003	MOTOR SHIELD	1	29	K254-029	BEARING, trip rod	1
4	K254-004	RETAINER	2	30	K254-030	GASKET	1
5	K254-005	SPRING, plunger	2	31	K254-031	BACKUP WASHER	1
6	K254-006	GUIDE	2	32	K254-032	V- PACKING	1
7	K254-007	PLUNGER	2	33	K254-033	HEX BOLT	12
8	K254-008	SCREW	4	34	K254-034	WASHER	12
9	K254-009	LOCK WASHER	4	35	K254-035	MOTOR CYLINDER	1
10	K254-010	HOUSING, detent	1	36	K254-036	O-RING, piston	1
11	K254-011	PAD, rubber	2	37	K254-037	PISTON ASS'Y	1
12	K254-012	AXLE	2	38	K254-038	TRIP ROD ASS'Y	1
13	K254-013	ROLLER	2	39	K254-039	STUD	1
14	K254-014	SCREW	4	40	K254-040	MOTOR GASKET	1
15	K254-015	WASHER	4	41	K254-041	O-RING, base	1
16	K254-016	AIR MANIFOLD	2	42	K254-042	V-PACKING	1
17	K254-017	MANIFOLD GASKET	2	43	K254-043	BACKUP WASHER	2
18	K254-018	SCREW, valve plate	8	44	K254-044	WIPER SEAL	1
19	K254-019	VALVE PLATE	2	45	K254-045	BASE	1
20	K254-020	PLATE SEAL	2	47	K254-047	SCREW	1
21	K254-021	GROMMET	1	48	K254-048	RIVET, name plate	10
22	K254-022	O-RING	2	49	K254-049	NAME PLATE	2
23	K254-023	AIR VALVE	2	50	K254-050	SCREW	8
24	K254-024	SPRING, air valve	2	51	K254-051	THRUST WASHER	2
25	K254-025	NUT, trip rod	1	52	K254-052	PLUG	1
26	K254-026	LOCK WASHER	1	53	K254-053	SNAP RING	1

Note : part marked in color are the spare parts

PART NO 17, 22, 30, 31, 32, 36, 42, 43,
Included in [Repair KIT No K254-500\(207-730\)](#)

REPAIR INSTRUCTIONS

2018.01.09 Rev21

A PATENT APPLICATION
PAT NO. 30-0733086

K- type Air Motor & X- type Displacement Sprayer

Part No. K254-X401, 40:1 Ratio X-type Pump (290cc)

4200 psi (290 bar) Maximum Fluid Working Pressure

Part No. K254-X451, 45:1 Ratio X-type Pump (250cc)

4900 psi (338 bar) Maximum Fluid Working Pressure

Part No. K254-X561, 56:1 Ratio X-type Pump (220cc)

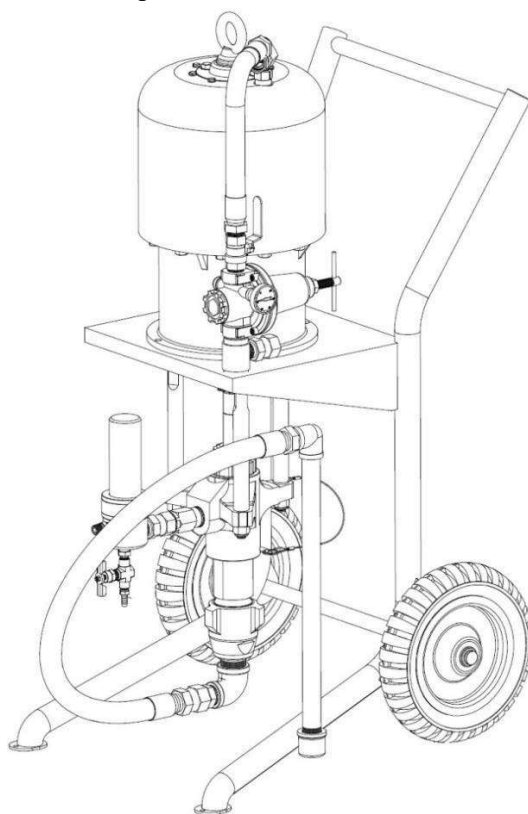
5656 psi (390 bar) Maximum Fluid Working Pressure

Part No. K254-X681, 68:1 Ratio X-type Pump (180cc)

6800 psi (468 bar) Maximum Fluid Working Pressure

Part No. K254-X831, 83:1 Ratio X-type Pump (145cc)

8484 psi (585 bar) Maximum Fluid Working Pressure



DSTech Co., LTD.

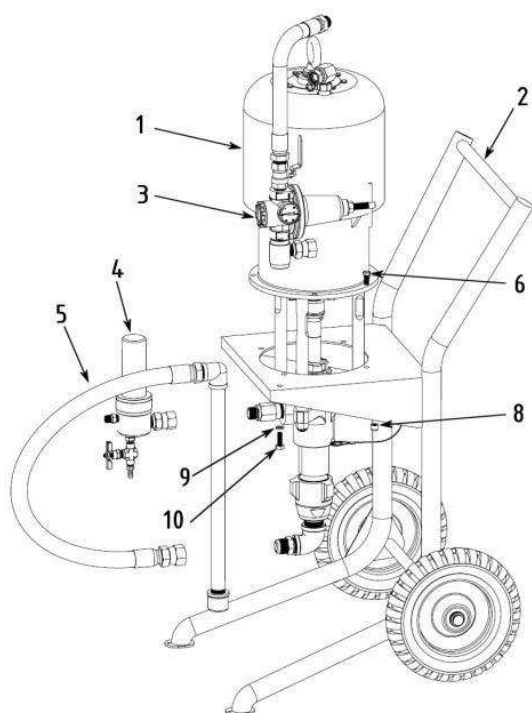
#1461-2, Songjung-dong, Gangseo-gu,
Busan, Korea (618-817)

Tel: 82-51-207-8006

Fax: 82-51-207-8831

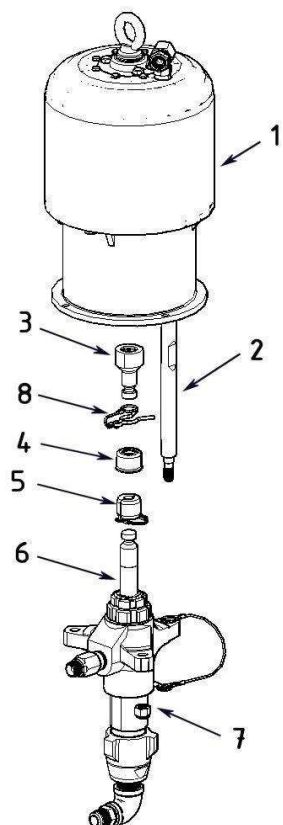
www.dstpump.com

Part Drawing



NO	D Code	DESCRIPTION	QTY
1	K254-Xxxx-1	BARE	1
2	K254-200	CART	1
3	K254-300	AIR REGULATOR KIT	1
4	S254-400	FLUID FILTER	1
5	K254-600	SUCTION HOSE ASS'Y	1
6	K254-111	BOLT	4
8	K254-113	NUT	4
9	K254-114	BOLT	1
10	K254-115	WASHER	1

K254-Xxxx-1 BARE



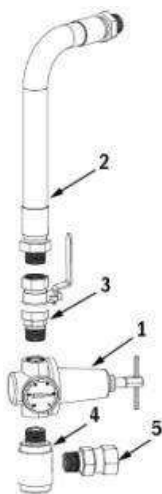
No	D Code	G Code	Description	Qty
1	K254-100		AIR MOTOR	1
2	K254-101	197-329	ROD, Tie	3
3	K254-102	197341	ADAPTER	1
4	K254-103	197340	COVER	1
5	K254-104	244819	COUPLING Assembly	1
6	Xxxx-100		PUMP Displacement	1
7	K254-105	101712	NUT	3
8	K254-106	244-820	CLIP	1

K254-200 CART



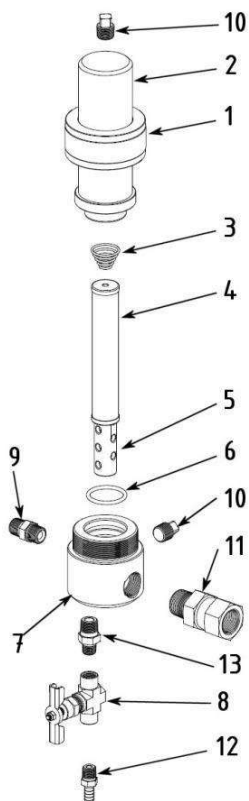
No	D Code	Description	Qty
1	K254-201	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

K254-300 AIR REGULATOR KIT



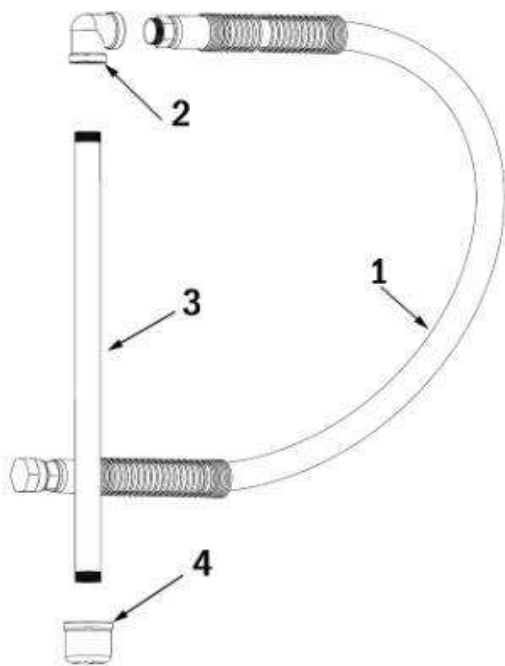
No	D Code	Description	Qty
1	K254-301	AIR REGULATOR	1
2	K254-302	AIR HOSE	1
3	K254-303	SHUTOFF VALVE	1
4	K254-304	AIR MANIFOLD	1
5	K254-305	COUPLING	1

S254-400 FLUID FILTER



No	D Code	G Code	Description	Qty
1	S254-101	174-058	RING	1
2	S254-102	174-054	BOWL	1
3	S254-103	171-841	SPRING	1
4	S254-104	167-025	STRAINER #60	1
5	S254-105	186-075	SUPPORT	1
6	S254-106	104-804	PACKING ,O-ring	1
7	S254-107	174-061	MANIFOLD	1
8	S254-108		HAMMER V/V	1
9	S254-109		NIPPLE	1
10	S254-110		PLUG	2
11	S254-111		UNION	1
12	S254-112		NIPPLE	1
13	S254-113		NIPPLE	1

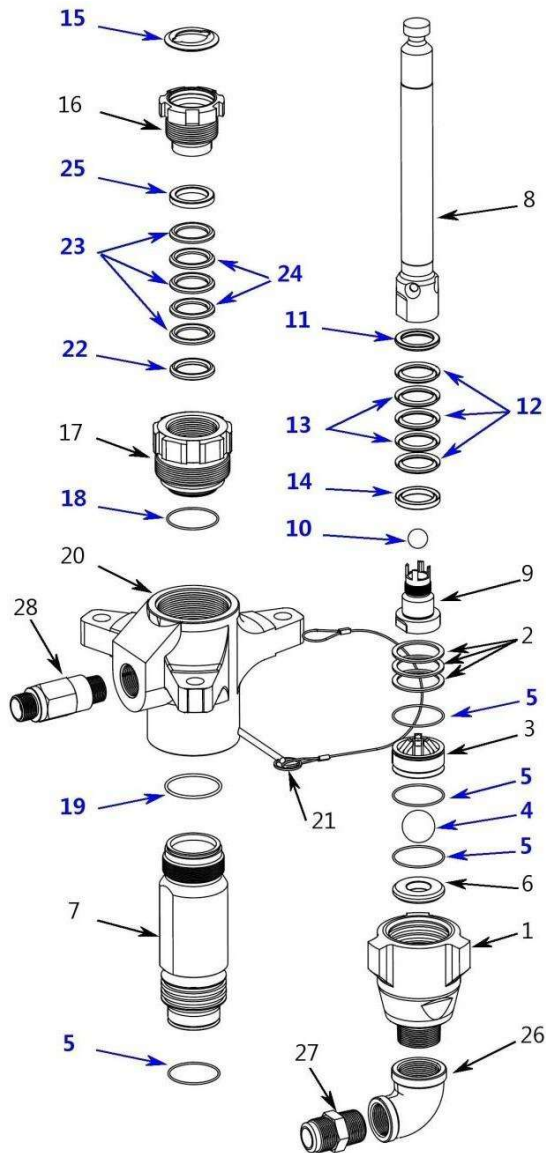
K254-600 SUCTION HOSE ASS'Y



No	D Code	Description	Qty
1	K254-601	SUCTION HOSE	1
2	K254-602	ELBOW	1
3	K254-603	SUCTION TUBE	1
4	K254-604	STRAINER (1")	1

Parts drawing and Parts List

X401-100 PUMP (290cc)



Note : part marked in color are the spare part

No	D CODE	G CODE	Description	Qty
1	X401-001	197-304	HOUSING , Inlet	1
2	X401-002	244-856	SHIM	3
3	X401-003	197-308	BALL GUIDE	1
4	X401-004	253-030	BALL (1 1/2")	1
5	X401-005	244-894	PACKING ,O-RING	4
6	X401-006	197-344	SEAT	1
7	X401-007	197-319	CYLINDER	1
8	X401-008	197-324	DISPLACEMENT ROD	1
9	X401-009	197-313	PISTON VALVE	1
10	X401-010	244-899	BALL (1")	1
11	X401-011	244-886	GLAND-M (S)	1
12	X401-012	244-868	PACKING-V (UHMWPE)(S)	3
13	X401-013	244-874	PCAKING-V(Leather)(S)	2
14	X401-014	244-880	GLAND-F(S)	1
15	X401-015	244-999	SEAL	1
16	X401-016	197-331	PACKING NUT	1
17	X401-017	197-327	CARTRIDGE	1
18	X401-018	244-891	PACKING, O-RING	1
19	X401-019	244-893	PACKING, O-RING	1
20	X401-020	197-335	HOUSING	1
21	X401-021	244-826	PIN	1
22	X401-022	244-885	GLAND-M (L)	1
23	X401-023	244-867	PACKING-V (UHMWPE)(L)	3
24	X401-024	244-873	PCAKING-V(Leather)(L)	2
25	X401-025	244-879	GLAND-F(L)	1
26	X401-026		TUBE	1
27	X401-027		NIPPLE	1
28	X401-028		JOINT NIPPLE	1

REPAIR KIT No : X401-500 (244-854)

With 4,5,10,11,12,13,14,15,18,19,22,23,24,25

REPAIR KIT No : X401-501 (244-904)

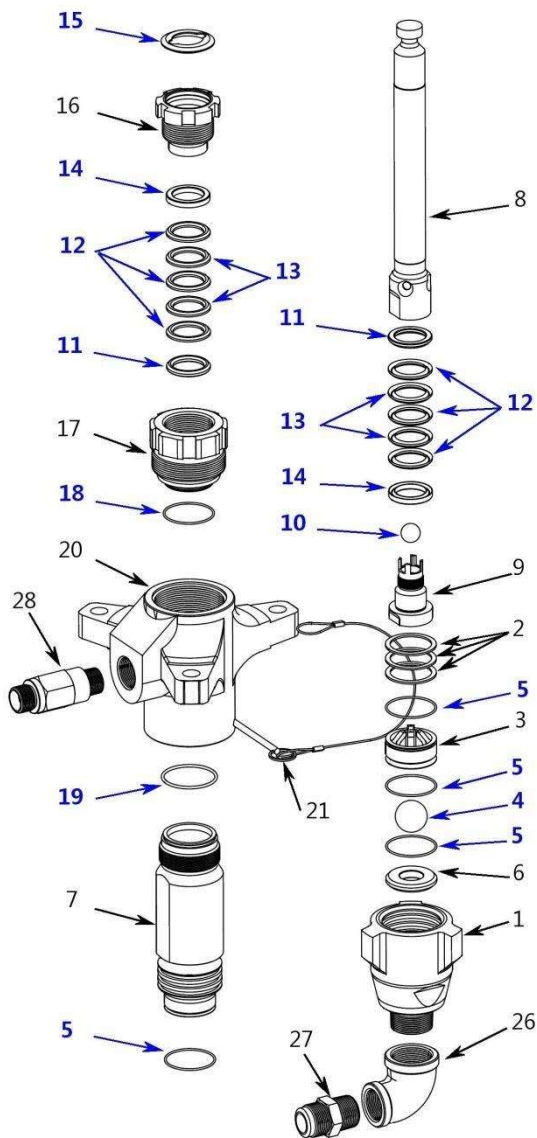
With 4,5,10,11,13,14,15,18,19,22,24,25

No #13 LEATHER v-packing 5EA

#24 LEATHER v-packing 5EA

Parts drawing and Parts List

X451-100 PUMP (250cc)



Note : part marked in color are the spare part

No	D CODE	G CODE	Description	Qty
1	X451-001	197-304	HOUSING , Inlet	1
2	X451-002	244-856	SHIM	3
3	X451-003	197-308	BALL GUIDE	1
4	X451-004	253-030	BALL (1 1/2")	1
5	X451-005	244-894	PACKING ,O-RING	1
6	X451-006	197-344	SEAT	1
7	X451-007	197-318	CYLINDER	1
8	X451-008	197-323	DISPLACEMENT ROD	1
9	X451-009	197-312	PISTON VALVE	1
10	X451-010	244-898	BALL (7/8")	1
11	X451-011	245-232	GLAND-M	1
12	X451-012	245-229	PACKING-V (UHMWPE)	1
13	X451-013	245-230	PACKING-V(Leather)	1
14	X451-014	245-233	GLAND-F	1
15	X451-015	244-999	SEAL	1
16	X451-016	197-331	PACKING NUT	1
17	X451-017	197-328	CARTRIDGE	1
18	X451-018	244-891	PACKING, O-RING	1
19	X451-019	244-893	PACKING, O-RING	1
20	X451-020	197-335	HOUSING	1
21	X451-021	244-826	PIN	1
26	X451-026		TUBE	1
27	X451-027		NIPPLE	1
28	X451-028		JOINT NIPPLE	1

REPAIR KIT No : X451-500 (244-853)

With 4,5,10,11,12,13,14,15,18,19

REPAIR KIT No : X451-501 (244-903)

With 4,5,10,11,13,14,15,18,19

No #13 LEATHER v-packing 10EA

REPAIR KIT No : X451-502 (244-836)

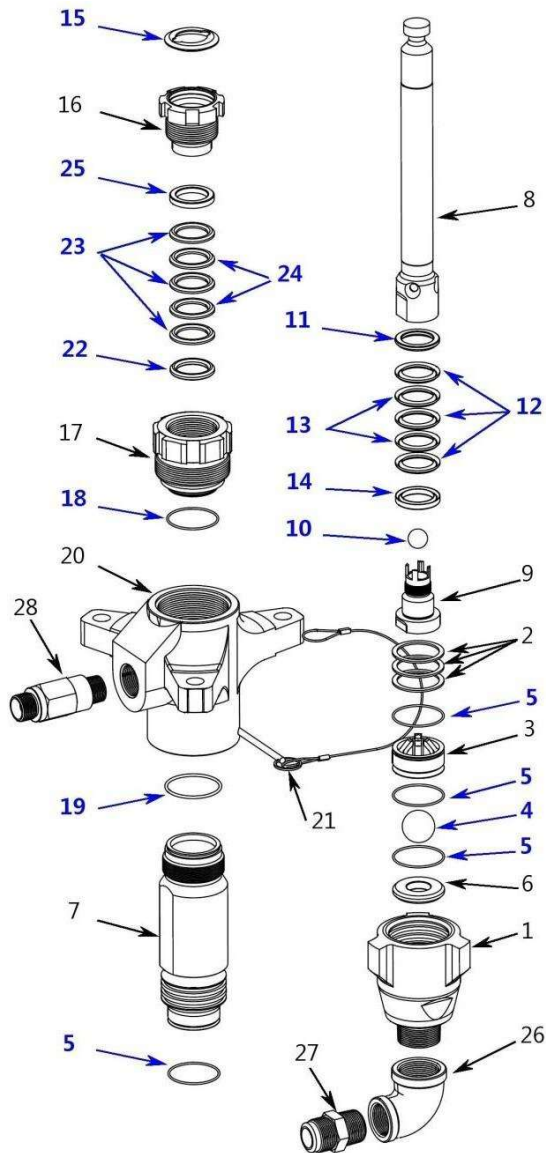
With 4,5,10,11,12,13,14,15,18,19

No #12 UHMWPE v-packing 2EA

#13 LEATHWE v-packing 8EA

Parts drawing and Parts List

X561-100 PUMP (220cc)



Note : part marked in color are the spare part

No	D Code	G Code	Description	Qty
1	X561-001	197-304	HOUSING , Inlet	1
2	X561-002	244-856	SHIM	3
3	X561-003	197-308	BALL GUIDE	1
4	X561-004	253-030	BALL (1 1/2")	1
5	X561-005	244-894	PACKING ,O-RING	4
6	X561-006	197-344	SEAT	1
7	X561-007	197-317	CYLINDER	1
8	X561-008	197-322	DISPLACEMENT ROD	1
9	X561-009	197-311	PISTON VALVE	1
10	X561-010	244-898	BALL (7/8")	1
11	X561-011	244-884	GLAND-M (S)	1
12	X561-012	244-860	PACKING-V (UHMWPE)(S)	3
13	X561-013	244-872	PCAKING-V(Leather)(S)	2
14	X561-014	244-878	GLAND-F(S)	1
15	X561-015	244-999	SEAL	1
16	X561-016	197-331	PACKING NUT	1
17	X561-017	197-327	CARTRIDGE	1
18	X561-018	244-891	PACKING, O-RING	1
19	X561-019	244-893	PACKING, O-RING	1
20	X561-020	197-335	HOUSING	1
21	X561-021	244-826	PIN	1
22	X561-022	244-883	GLAND-M (L)	1
23	X561-023	244-859	PACKING-V (UHMWPE) (L)	3
24	X561-024	244-871	PCAKING-V(Leather)(L)	2
25	X561-025	244-877	GLAND-F (L)	1
26	X561-026		TUBE	1
27	X561-027		NIPPLE	1
28	X561-028		JOINT NIPPLE	1

REPAIR KIT No : X561-500 (244-852)

With 4,5,10,11,12,13,14,15,18,19,22,23,24,25

REPAIR KIT No : X561-501 (244-902)

With 4,5,10,11,13,14,15,18,19,22,24,25

No #13 LEATHER v-packing 5EA

#24 LEATHER v-packing 5EA

REPAIR KIT No : X561-502 (246-835)

With 4,5,10,11,12,13,14,15,18,19,22,23,24,25

No #12 UHMWPE v-packing 1EA

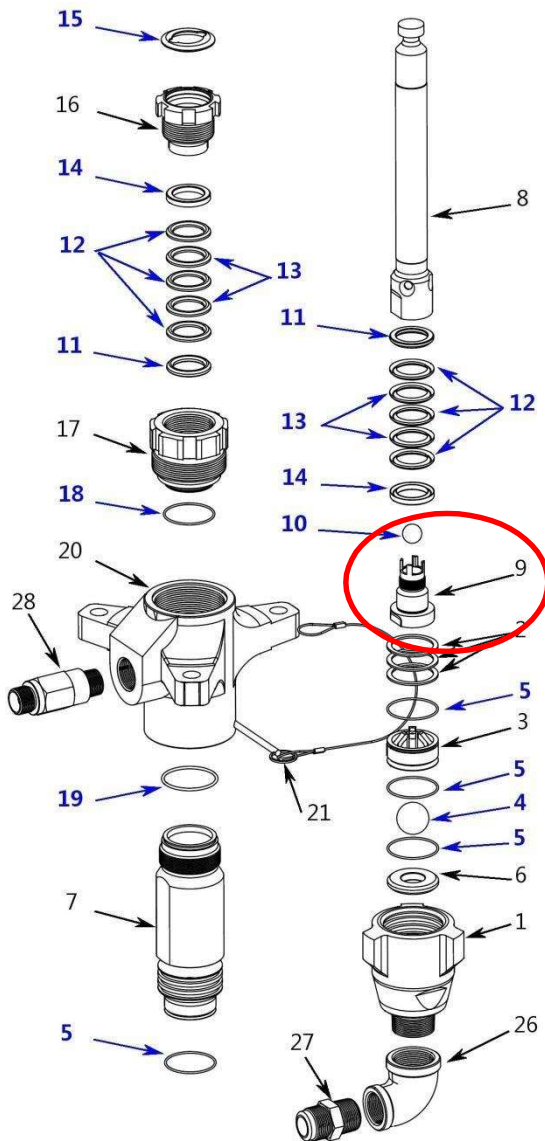
#13 LEATHER v-packing 4EA

#23 UHMWPE v-packing 1EA

#24 LEATHER v-packing 4EA

Parts drawing and Parts List

X681-100 PUMP (180cc)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
1	X681-001	197-303	HOUSING , Inlet	1
2	X681-002	244-855	SHIM	3
3	X681-003	197-307	BALL GUIDE	1
4	X681-004	253-031	BALL(1 1/4")	1
5	X681-005	244-890	PACKING ,O-RING	4
6	X681-006	196-358	SEAT	1
7	X681-007	197-316	CYLINDER	1
8	X681-008	197-321	DISPLACEMENT ROD	1
9	X681-009	197-310	PISTON VALVE	1
10	X681-010	253-029	BALL(3/4")	1
11	X681-011	244-882	GLAND-M	2
12	X681-012	244-864	PACKING-V(UHMWPE)	6
13	X681-013	244-870	PACKING-V(Leather)	4
14	X681-014	244-876	GLAND-F	2
15	X681-015	244-996	SEAL	1
16	X681-016	197-330	PACKING NUT	1
17	X681-017	197-326	CARTRIDGE	1
18	X681-018	244-890	PACKING, O-RING	1
19	X681-019	244-892	PACKING, O-RING	1
20	X681-020	197-334	HOUSING	1
21	X681-021	244-826	PIN	1
26	X681-026		TUBE	1
27	X681-027		NIPPLE	1
28	X681-028		JOINT NIPPLE	1

REPAIR KIT No: **X681-500 (244-851)**

With 4, 5, 10, 11, 12, 13, 14, 15, 18, 19

REPAIR KIT No: **X681-501 (244-901)**

With 4, 5, 10, 11, 13, 14, 15, 18, 19

No #13 LEATHER v-packing 10EA

REPAIR KIT No: **X681-502 (246-834)**

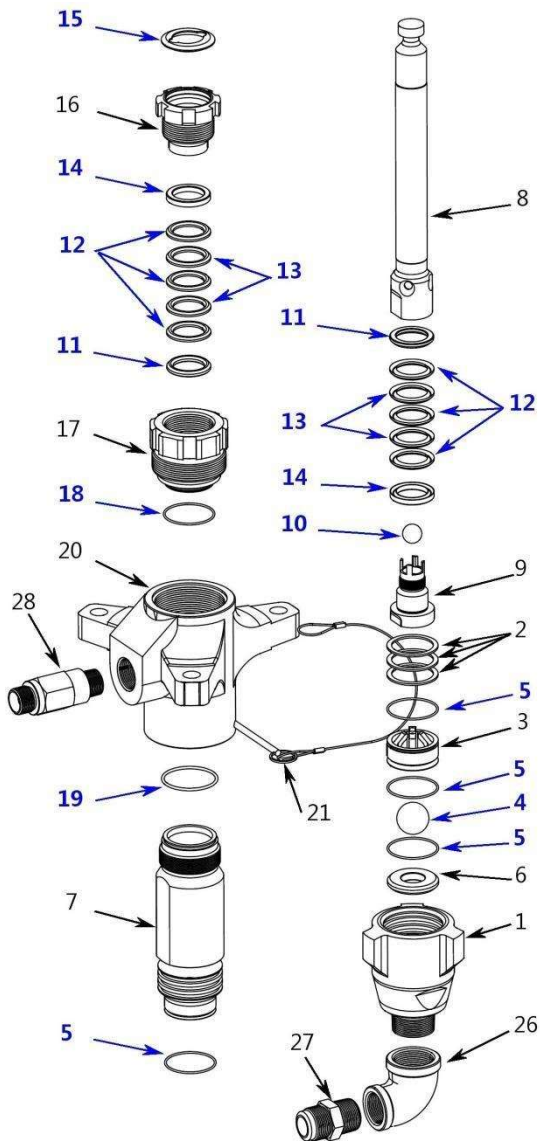
With 4, 5, 10, 11, 12, 13, 14, 15, 18, 19

No #12 UHMWPE v-packing 2EA

#13 LEATHER v-packing 8EA

Parts drawing and Parts List

X831-100 PUMP (145cc)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
1	X831-001	197-303	HOUSING , Inlet	1
2	X831-002	244-855	SHIM	3
3	X831-003	197-307	BALL GUIDE	1
4	X831-004	253-031	BALL(1 1/4")	1
5	X831-005	244-890	PACKING ,O-RING	4
6	X831-006	196-358	SEAT	1
7	X831-007	197-315	CYLINDER	1
8	X831-008	197-320	DISPLACEMENT ROD	1
9	X831-009	197-309	PISTON VALVE	1
10	X831-010	253-029	BALL(3/4")	1
11	X831-011	244-881	GLAND-M	2
12	X831-012	244-863	PACKING-V(UHMWPE)	6
13	X831-013	244-869	PACKING-V(Leather)	4
14	X831-014	244-875	GLAND-F	2
15	X831-015	244-996	SEAL	1
16	X831-016	197-330	PACKING NUT	1
17	X831-017	197-325	CARTRIDGE	1
18	X831-018	244-890	PACKING, O-RING	1
19	X831-019	244-892	PACKING, O-RING	1
20	X831-020	197-334	HOUSING	1
21	X831-021	244-826	PIN	1
26	X831-026		TUBE	1
27	X831-027		NIPPLE	1
28	X831-028		JOINT NIPPLE	1

REPAIR KIT No: **X831-500 (244-850)**

With 4, 5, 10, 11, 12, 13, 14, 15, 18, 19

REPAIR KIT No: **X831-501 (244-900)**

With 4, 5, 10, 11, 12, 14, 15, 18, 19

No #12 UHMWPE v-packing 10EA

REPAIR KIT No: **X831-502 (246-833)**

With 4, 5, 10, 11, 12, 13, 14, 15, 18, 19

No #12 UHMWPE v-packing 2EA

#13 LEATHER v-packing 8EA

REPAIR INSTRUCTIONS

2018.01.09 REV24

K- type Motor & K- type Displacement Sprayer

Part No. K254-L451, 45:1 Ratio K-type Pump

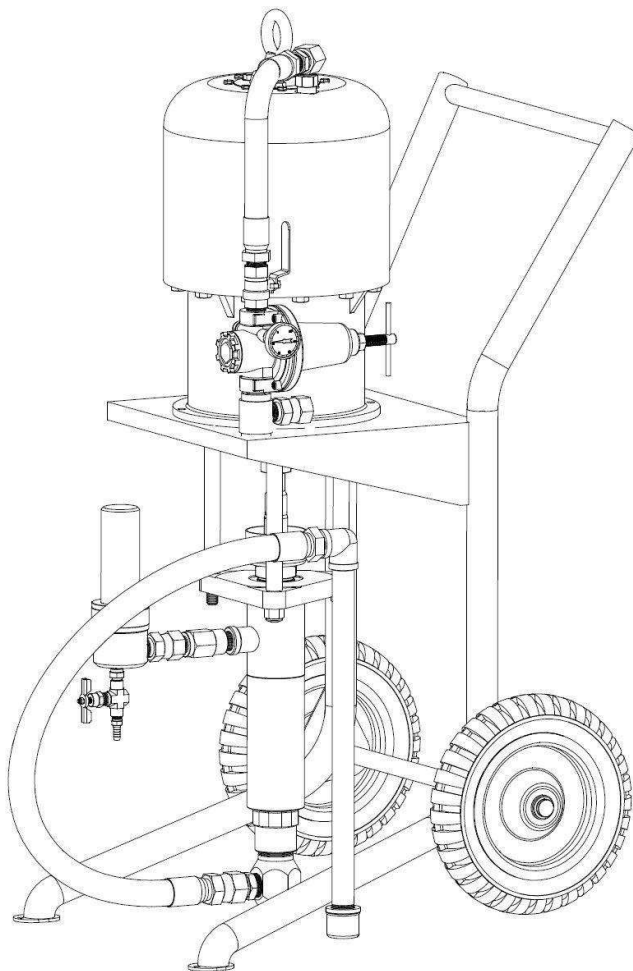
4500 psi (310 bar) Maximum Fluid Working Pressure

Part No. K254-L631, 63:1 Ratio K-type Pump

6300 psi (430 bar) Maximum Fluid Working Pressure

A PATENT APPLICATION

PAT NO. 20-0452354



DSTech Co., LTD.

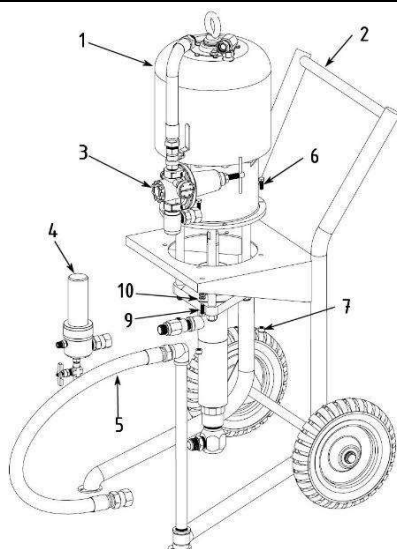
#1461-2, Songjung-dong, Gangseo-gu,
Busan, Korea (618-817)

Tel: 82-51-207-8006

Fax: 82-51-207-8831

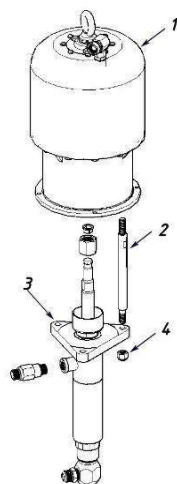
www.dstpump.com

Parts drawing and Parts List



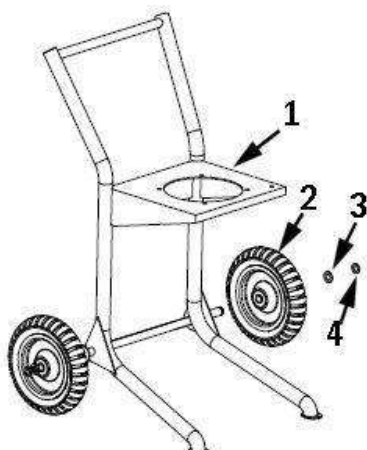
NO	D PART	DESCRIPTION	Qty
1	K254-Lxxx-1	BARE	1
2	K254-200	CART	1
3	K254-300	AIR REGULATOR KIT	1
4	S254-400	SURGE TANK (big)	1
5	K254-600	SUCTION HOSE ASS'Y	1
6	K254-111	BOLT	4
7	K254-113	NUT	4
9	K254-114	BOLT	1
10	K254-115	WASHER	1

K254-Lxxx-1 BARE



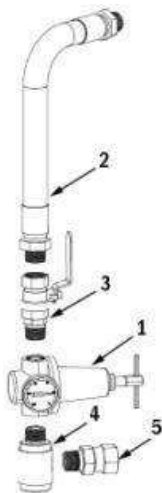
No	D Part No	Description	Qty
1	K254-100	AIR MOTOR	1
2	K254-141	ROD, Tie	3
3	Kxxx-100	PUMP Displacement	1
4	K254-145	LOCK NUT	3

K254-200 CART



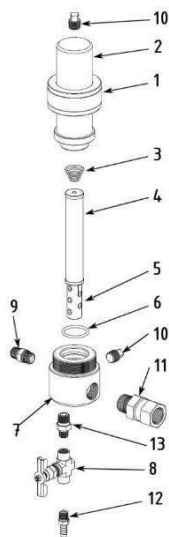
No	D Part	Description	Qty
1	K254-201	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

K254-300 AIR REGULATOR KIT



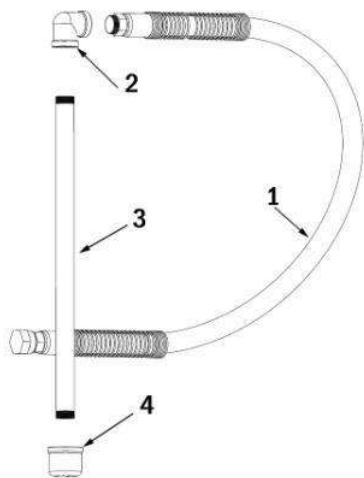
No	D Part	Description	Qty
1	K254-301	AIR REGULATOR	1
2	K254-302	AIR HOSE	1
3	K254-303	SHUTOFF VALVE	1
4	K254-304	AIR MANIFOLD	1
5	K254-305	COUPLING	1

S254-400 SURGE TANK



No	D Code	Description	Qty
1	S254-101	RING	1
2	S254-102	BOWL	1
3	S254-103	SPRING	1
4	S254-104	STRAINER #60	1
5	S254-105	SUPPORT	1
6	S254-106	PACKING ,O-ring	1
7	S254-107	MANIFOLD	1
8	S254-108	HAMMER V/V	1
9	S254-109	NPT 3/8" NIPPLE	1
10	S254-110	PT 1/4" -3/8 NIPPLE	2
11	S254-111	PT 3/4" UNION	1
12	S254-112	NPT 3/8" PLUG	1
13	S254-113	NIPPLE	1

K254-600 SUCTION HOSE ASS'Y



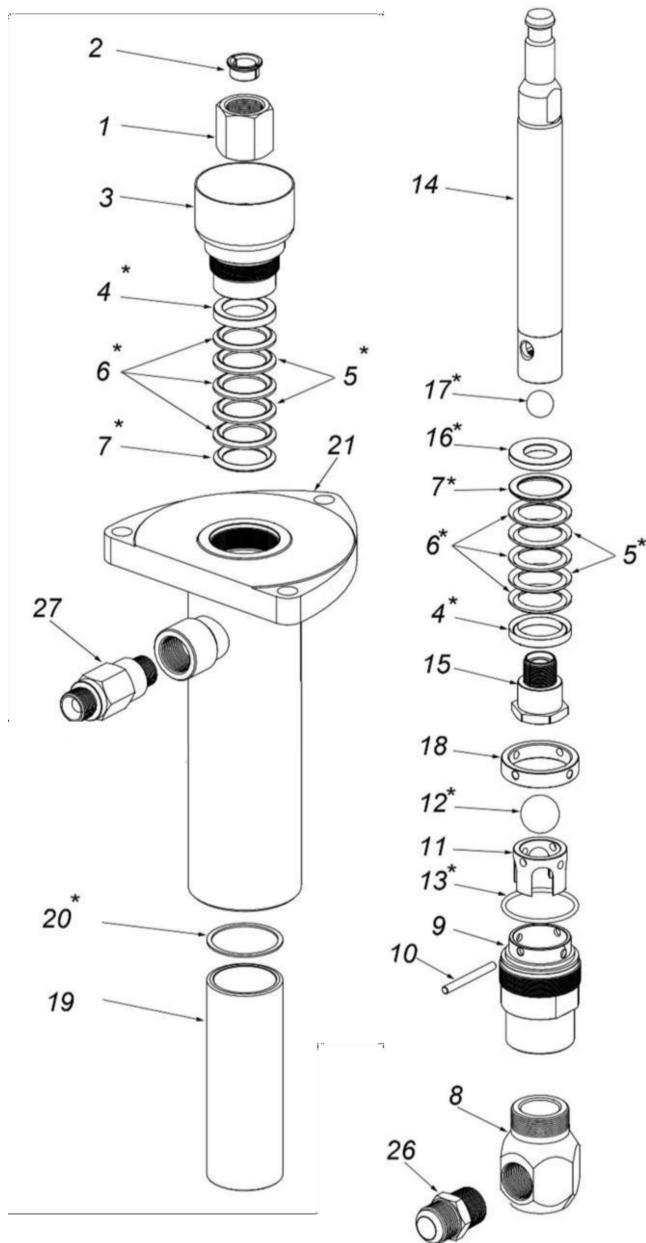
No	D Part	Description	Qty
1	K254-601	SUCTION HOSE	1
2	K254-602	ELBOW	1
3	K254-603	SUCTION TUBE	1
4	K254-604	STRAINER	1

Parts drawing and Parts List

L451-100 PUMP

A PATENT APPLICATION

PAT NO. 20-0452354



Note : part marked in color are the spare parts

These parts are included in repair kit which may be purchased separately.

Always use genuine DST parts

No	D Part No	Description	Qty
1	K451-001	COUPLING NUT	1
2	K451-002	COUPLING COLLER	2
3	K451-003	PACKING NUT	1
4	K451-004	PACKING GLAND(F)	
5	K451-005	PACKING(LEATHER)	
6	K451-006	PACKING(TEFLON)	
7	K451-007	PACKING GLAND(M)	
8	K451-008	TUBE	1
9	K451-009	INTAKE HOUSING	1
10	K451-010	PIN	1
11	K451-011	BALL GUIDE	1
12	K451-012	BALL 1 1/4"	
13	K451-013	O-RING(TEFLON)	
14	K451-014	DISPLACEMENT ROD	1
15	K451-015	VALVE PISTON	1
16	K451-016	WASHER	
17	K451-017	BALL 7/8"	
18	K451-018	RETAINER	1
19	K451-019	SLEEVE	1
20	K451-020	GASKET	1
21	K451-021	PUMP HOUSING ASS'Y	
21-1	K451-021-1	PUMP HOUSING UP	1
21-2	K451-021-2	O-RING(TEFLON)	1
21-3	K451-021-3	LOW PUMP HOUSING	1
26	K451-026	NIPPLE	1
27	K451-027	JOINT NIPPLE	1

REPAIR KIT No : K451-500

With 4, 5, 6, 7, 12, 13, 16, 17, 20, 21-2

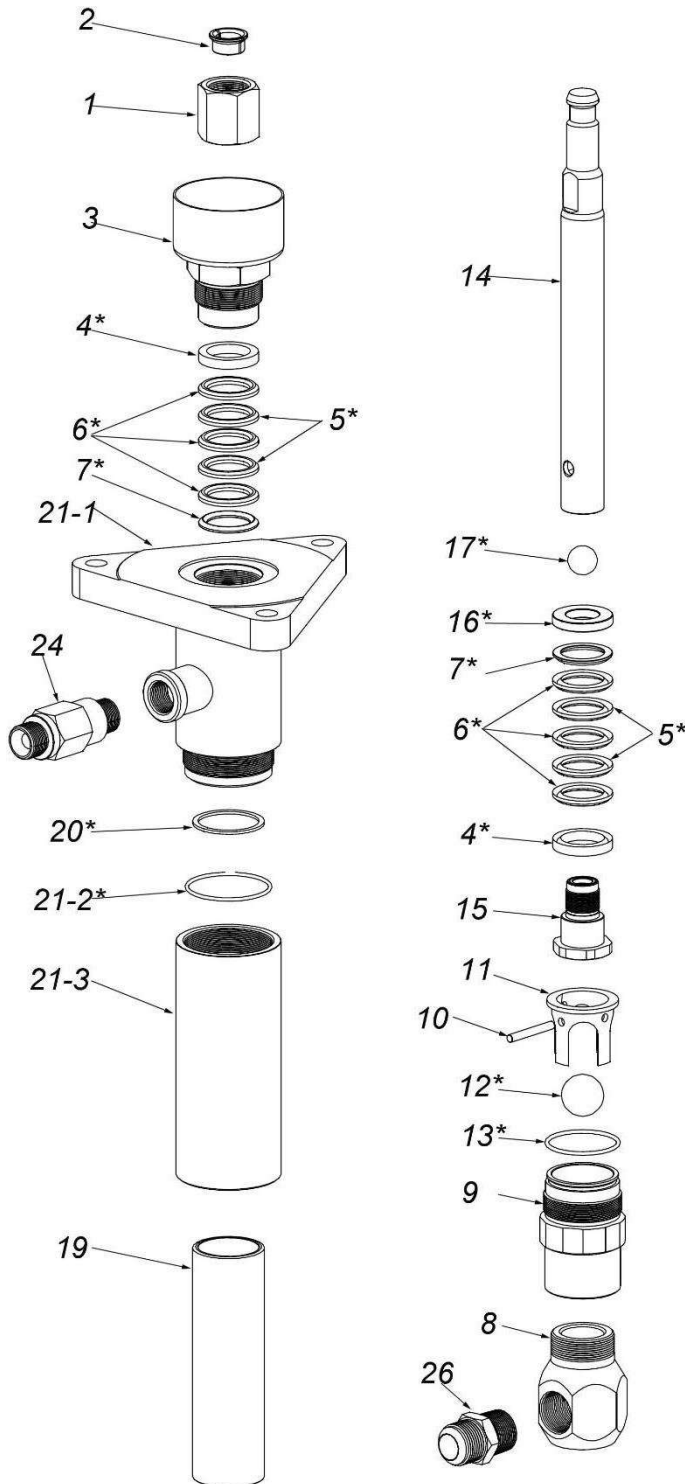
REPAIR KIT No : K451-501

With 4, 5, 7, 12, 13, 16, 17, 20, 21.2
No #5 LEATHER v-packing 4EA
#6 UHMWPE v-packing 6EA

Parts drawing and Parts List

L631-100 PUMP

A PATENT APPLICATION
PAT NO. 20-0452354



Always use genuine DST parts

No	D Part No	Description	Qty
1	K631-001	COUPLING NUT	1
2	K631-002	COUPLING COLLER	2
3	K631-003	PACKING NUT	1
4	K631-004	PACKING GLAND(F)	2
5	K631-005	PACKING(LEATHER)	4
6	K631-006	PCAKING(TEFLON)	6
7	K631-007	PACKING GLAND(M)	2
8	K631-008	TUBE	1
9	K631-009	INTAKE HOUSING	1
10	K631-010	PIN	1
11	K631-011	BALL GUIDE	1
12	K631-012	BALL 1 1/4"	1
13	K631-013	O-RING(TEFLON)	1
14	K631-014	DISPLACEMENT ROD	1
15	K631-015	VALVE PISTON	1
16	K631-016	WASHER	1
17	K631-017	BALL 3/4"	1
19	K631-019	SLEEVE	1
20	K631-020	GASKET	1
21	K631-021	PUMP HOUSING ASS'Y	
21-1	K631-021-1	PUMP HOUSING	1
21-2	K631-021-2	O-RING(TEFLON)	1
21-3	K631-021-3	LOW PUMP HOUSING	1
24	K631-024	JOINT NIPPLE	1
26	K631-026	NIPPLE	1

REPAIR KIT No : K631-500

With 4, 5, 6, 7, 12,13, 16, 17, 20, 21-2

REPAIR KIT No : K631-501

With 4, 7, 12,13, 16, 17, 20, 21-2

No #6 UHMWPE v-packing

6EA

#5 LEATHER v-packing

4EA

REPAIR INSTRUCTIONS

2018.01.09 Rev11

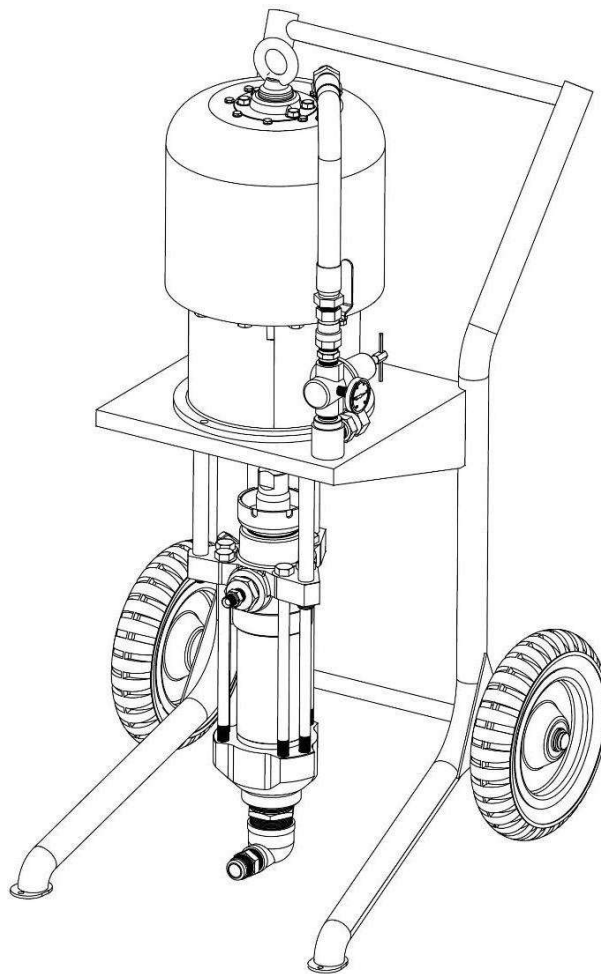
STAINLESS STEEL

K- type Motor & D-180 type Pumps

With Severe-Duty Rod and Cylinder

Part No. K254-D180, 28:1 Ratio D-type Pump

2800 psi (193 bar) Maximum Fluid Working Pressure



DSTech Co., LTD.

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

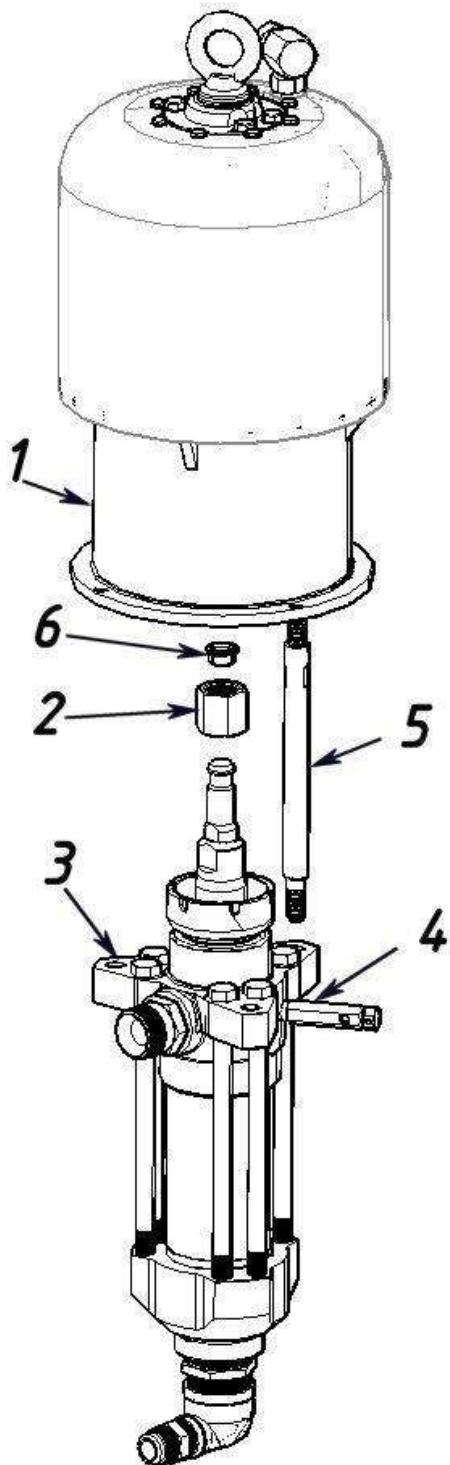
Tel: 82-51-207-8006

Fax: 82-51-207-8831

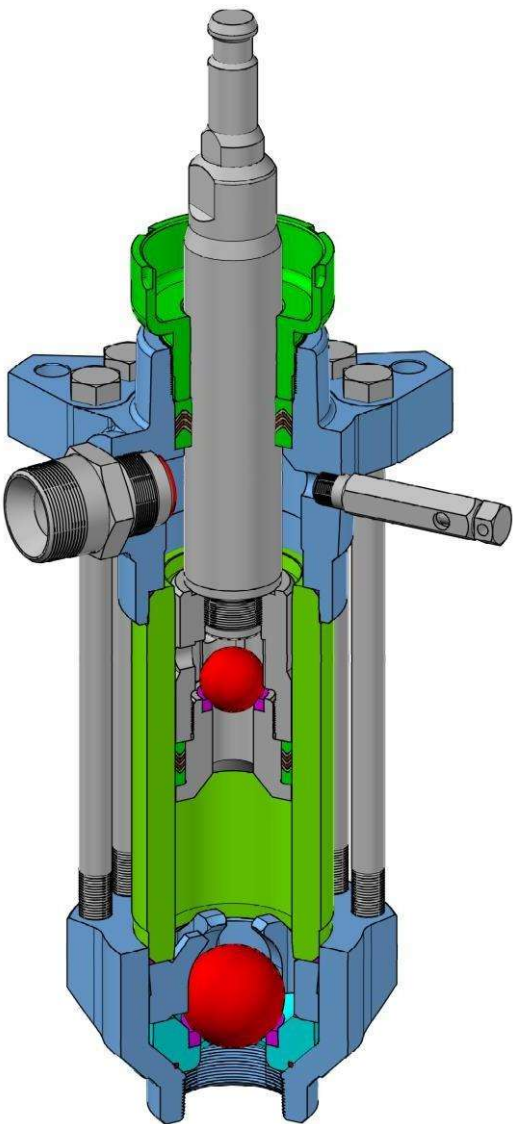
www.dstpump.com

Part Drawing

K254-D180-1 BARE

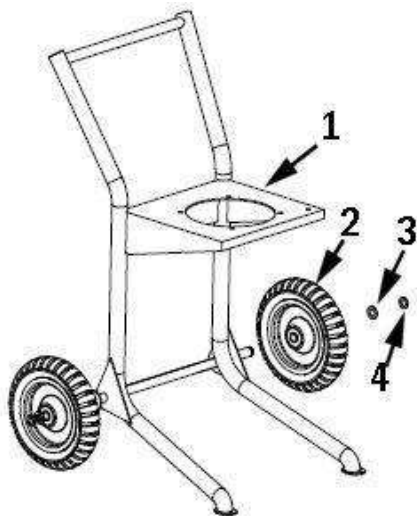


No	D Code	G Code	Description	Qty
1	K254-100		AIR MOTOR	1
2	K451-001	186-925	NUT, coupling	1
3	D180-100		PUMP Displacement	1
4	D254-125	106-166	NUT	3
5	D180-121	190-000	ROD, tie	3
6	K451-002	184-129	COLLAR	2



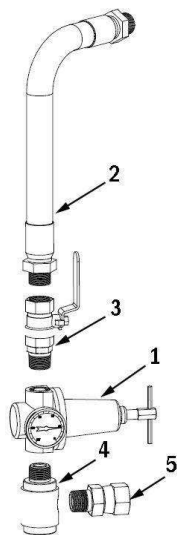
Part Drawing

K254-200 CART



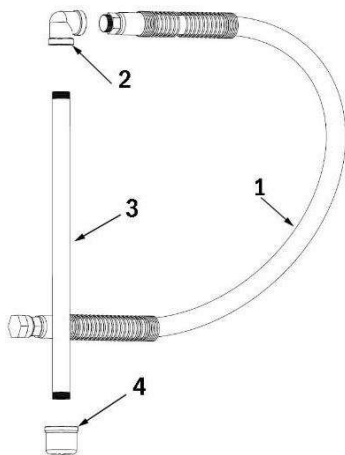
No	D Part No	Description	Qty
1	K254-201	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

K254-300 AIR REGULATOR KIT



No	D Part No	Description	Qty
1	K254-301	AIR REGULATOR	1
2	K254-302	AIR HOSE	1
3	K254-303	SHUTOFF VALVE	1
4	K254-304	AIR MANIFOLD	1
5	K254-305	COUPLING	1

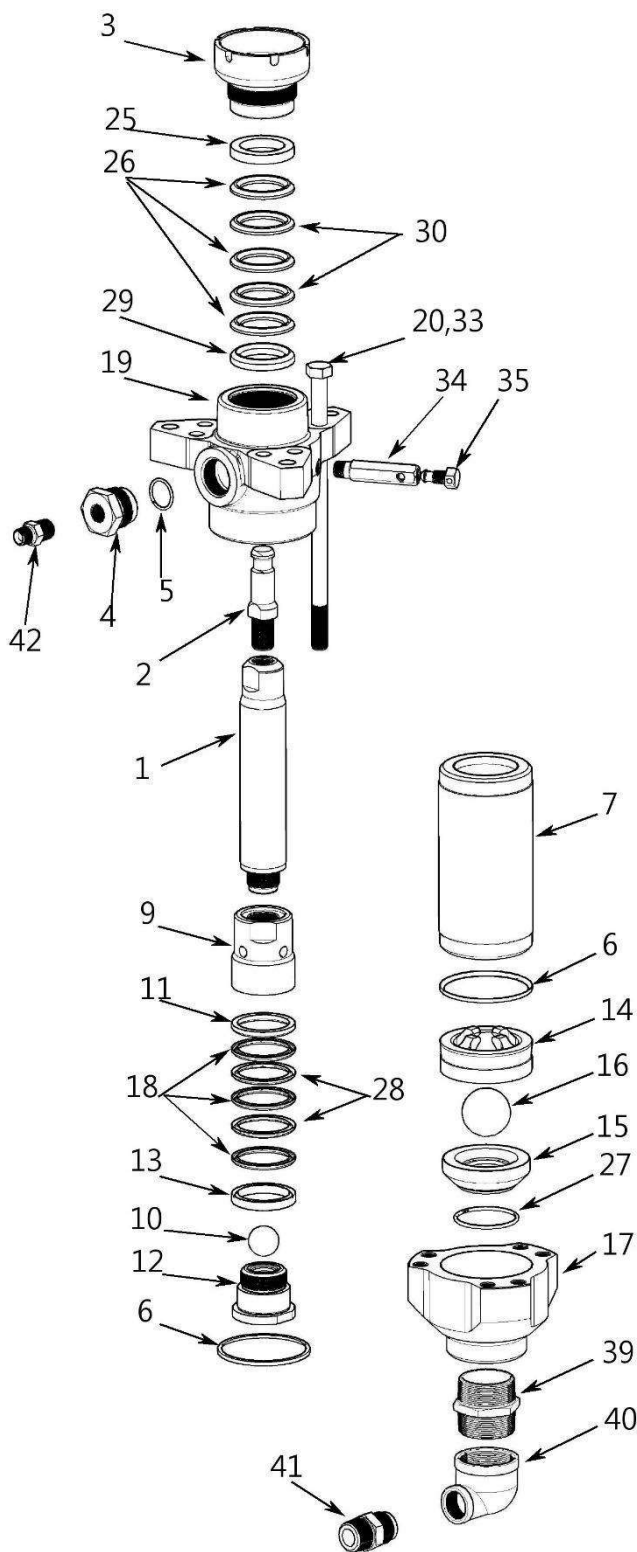
K254-600 SUCTION HOSE ASS'Y



No	D Part	Description	Qty
1	K254-601	SUCTION HOSE	1
2	K254-602	ELBOW	1
3	K254-603	SUCTION TUBE	1
4	K254-604	STRAINER	1

Parts drawing and Parts List

D180-100 PUMP



Note : part marked in color are the spare parts

No	D Code	Description	Qty
1	D180-001	ROD displacement	1
2	D180-002	ROD, JOINT	1
3	D180-003	PACKING NUT	1
4	D180-004	FITTINGH	1
5	D180-005	O-RING, PTFE	1
6	D180-006	SEAL	2
7	D180-007	CYLINDER	1
9	D180-009	GUIDE, ball piston	1
10	D180-010	BALL, piston 1.25"	1
11	D180-011	GLAND,male piston	1
12	D180-012	PISTON	1
13	D180-013	GLAND,female piston	1
14	D180-014	BALL GUIDE,intake	1
15	D180-015	SEAT, intake	1
16	D180-016	BALL, 2"	1
17	D180-017	HOUSING,intake	1
18	D180-018	V-PACKING,UHMWPE piston	3
19	D180-019	HOUSING,outlet	1
20	D180-020	HEX BOLT	6
25	D180-025	GLAND, female throat	1
26	D180-026	V-PACKING, UHMWPE throat	3
27	D180-027	O-RING, PTFE	1
28	D180-028	V-PACKING,leather piston	2
29	D180-029	GLAND male throat	1
30	D180-030	V-PACKING,leather throat	2
33	D180-033	WASHER	6
34	D180-034	HOUSING,valve	1
35	D180-035	PLUG, valve	1
37	D180-037	V-PACKING, PTFE piston	
38	D180-038	V-PACKING, PTFE throat	
39	D180-039	NIPPLE	1
40	D180-040	ELBOW	1
41	D180-041	NIPPLE	1
42	D180-042	NIPPLE	1

REPAIR KIT No: D180-500 (222-848)

With out ball

With 5, 6, 11, 13, 18, 25, 26, 27, 28, 29, 30,

REPAIR KIT No: D180-501 (222-845)

With out ball

With 5, 6, 11, 13, 18, 25, 26, 27, 29, 37, 38,

#28 LEATHER v-packing 3EA

#37 PTFE v-packing 2EA

#30 LEATHER v-packing 3EA

#38 PTFE v-packing 2EA

REPAIR KIT No: D180-503

With out ball

With 5, 6, 11, 13, 18, 25, 26, 27, 29, 37, 38,

#37 PTFE v-packing 5EA

#38 PTFE v-packing 5EA

REPAIR KIT No: D180-510

Ball included

With 5, 6, 10, 11, 13, 16, 18, 25, 26, 27, 28, 29, 30,