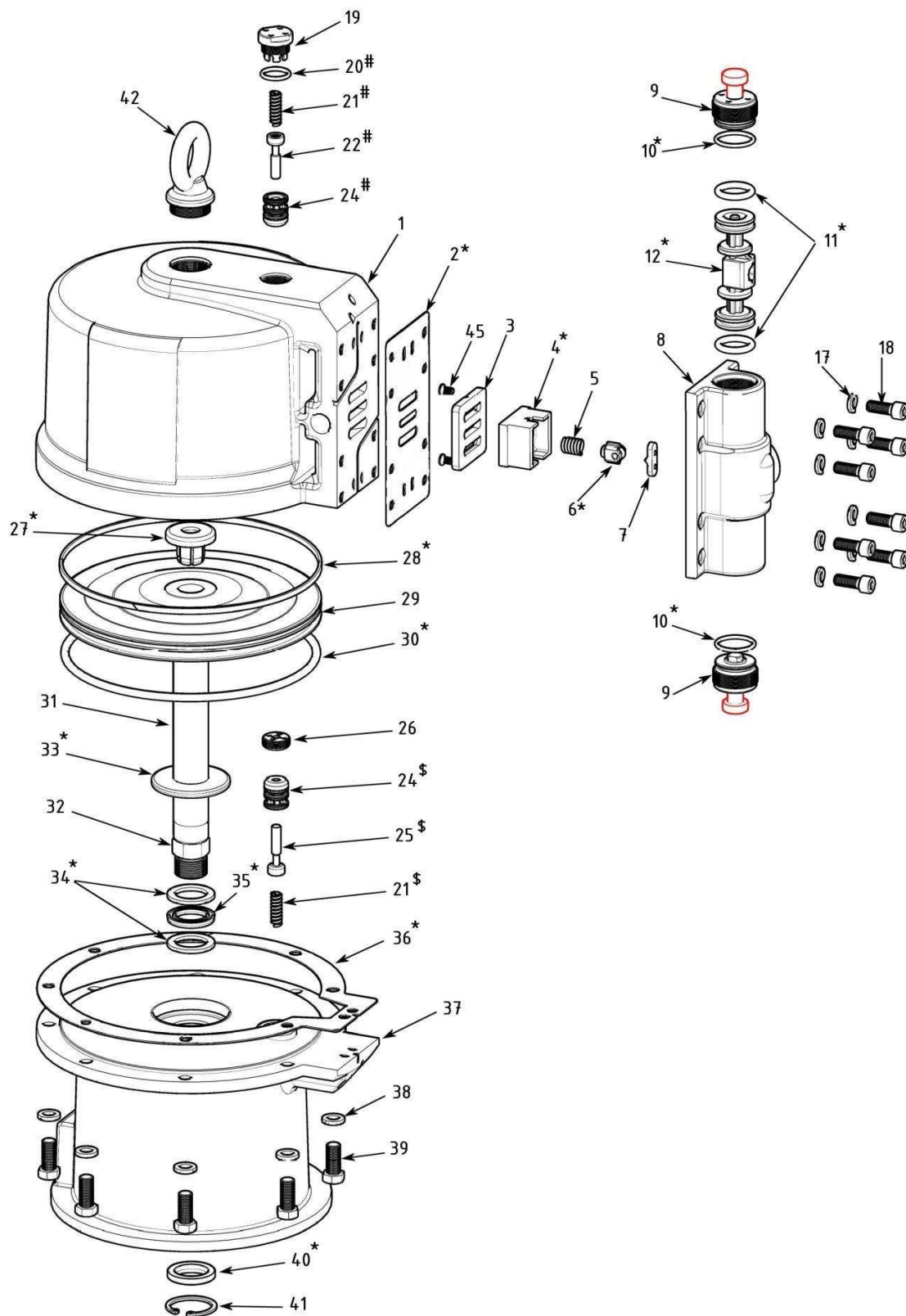


DSTech MANUAL

N270-100 Air Motor Part Drawing



Parts

No	D Code	Description	Qty	No	D Code	Description	Qty
1	N270-001	CYLINDER	1	27	N270-027	PISTON PAD	1
2	N270-002	GASKET, piston housing	1	28	N270-028	WEAR RING	1
3	N270-003	VALVE PLATE	1	29	N270-029	PISTON PLATE	1
4	N270-004	PISTON VALVE	1	30	N270-030	SEAL O-RING	1
5	N270-005	SPRING, roller	1	31	N270-031	PISTON PIPE	1
6	N270-006	ROLLER ASS'Y	1	32	N270-032	STUD	1
7	N270-007	BLOCK	1	33	N270-033	PAD, base	1
8	N270-008	PISTON VALVE HOUSING	1	34	N270-034	GASKET, base	2
9	N270-009	HOUSING PLUG ASS'Y	2	35	N270-035	U-PACKING, base	1
10	N270-010	O-RING, housing plug	2	36	N270-036	MOTOR GASKET	1
11	N270-011	O-RING, piston	2	37	N270-037	BASE	1
12	N270-012	PISTON VALVE	1	38	N270-038	SPRING WASHER	8
17	N270-017	SPRING WASHER	8	39	N270-039	BOLT	8
18	N270-018	BOLT, piston housing	8	40	N270-040	SEAL	1
19	N270-019	VALVE CAP	1	41	N270-041	SNAP RING	1
20	N270-020	O-RING, valve cap	1	42	N270-042	HOOK	1
21	N270-021	SPRING, check valve	2	43	N270-043	NAME PLATE	2
22	N270-022	STEM, upper check valve	1	44	N270-044	RIVET, name plate	10
24	N270-024	CHECK VALVE HOUSING ASS'Y	2	45	N270-045	SCREW	2
25	N270-025	STEM, lower check valve	1	46	N270-046	GASKET, block	1
26	N270-026	STEM SCREW	1	47	M270-047	BOLT, block	1

Note : part marked in color are the spare parts

PART NO 2, 4, 6, 10, 11, 12, 27, 28, 30, 33, 34, 35, 40,

Included in AIRMOTOR

Repair KIT No N270-500

PART NO 20, 21(1), 22, 24(1)

Included in UPPER CHECK VALVE

Repair KIT No N270-501

PART NO 21(1), 24(1), 25

Included in LOWER CHECK VALVE

Repair KIT No N270-502

REPAIR INSTRUCTIONS

2018.05.09Rev14

PAT NO. 10-1310083, 10-1449968, 30-0733086, 30-0735073, 10-2014-0047957, 30-2014-0015351
30-2014-0047452

N270 type Air Motor & X- type Displacement Sprayer

Part No.N270-N471, 47:1 Ratio X-type Pump (311cc)

4786 psi (330 bar) Maximum Fluid Working Pressure

Part No.N270-N551, 55:1 Ratio X-type Pump (270cc)

5511psi (380 bar) Maximum Fluid Working Pressure

Part No.N270-N631, 63:1 Ratio X-type Pump (233cc)

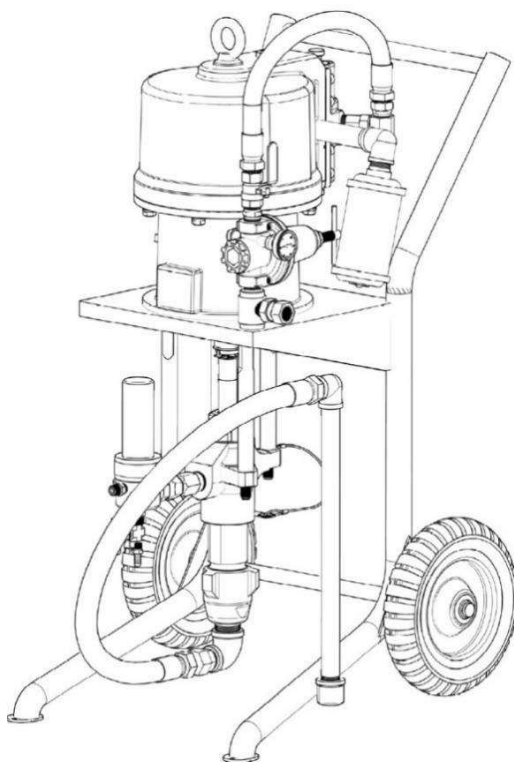
6381 psi (440 bar) Maximum Fluid Working Pressure

Part No.N270-N751, 75:1 Ratio X-type Pump (195cc)

7686 psi (530 bar) Maximum Fluid Working Pressure

Part No.N270-N951, 95:1 Ratio X-type Pump (155cc)

9572 psi (660 bar) Maximum Fluid Working Pressure



DSTech Co., LTD.

#1461-2, Songjung-dong, Gangseo-gu,

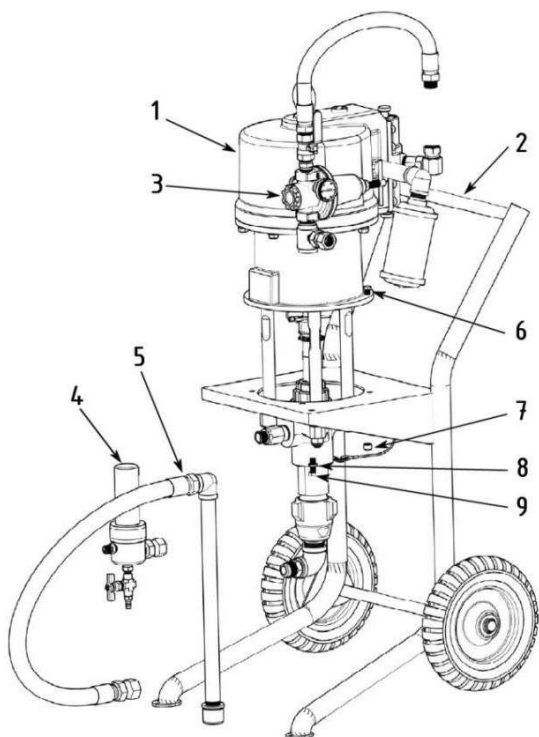
Busan, Korea (618-817)

Tel: 82-51-207-8006

Fax: 82-51-207-8831

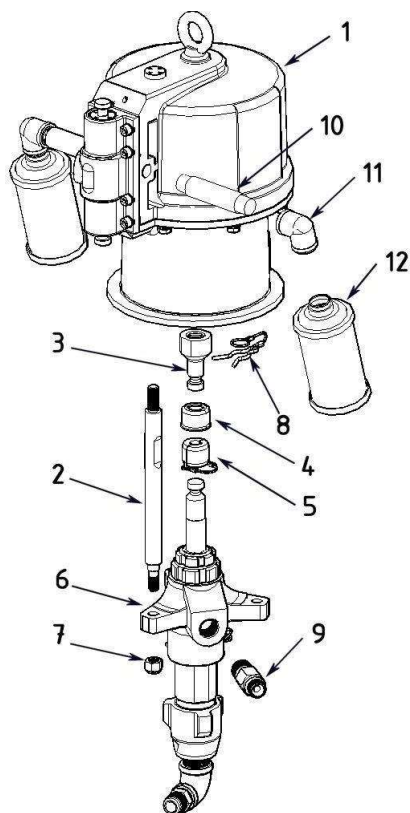
www.dstpump.com

Parts drawing and Parts List



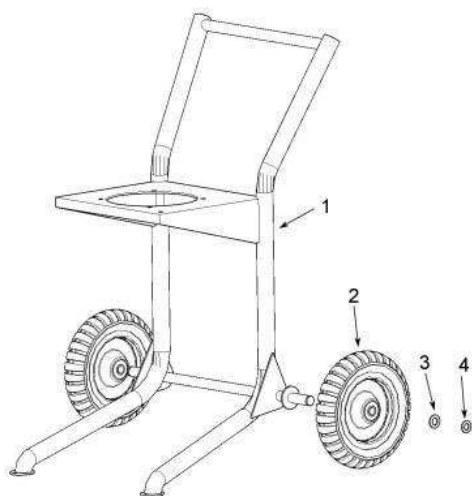
NO	D Code	DESCRIPTION	Qty
1	N270-Nxxx-1	BARE	1
2	K254-200	CART	1
3	N270-300	AIR REGULATOR KIT	1
4	S254-400	FLUID FILTER	1
5	K254-600	SUCTION HOSE ASS'Y	1
6	K254-111	BOLT	4
7	K254-113	NUT	4
8	K254-115	WASHER	1
9	K254-114	BOLT	1

N270-Nxxx-1BARE



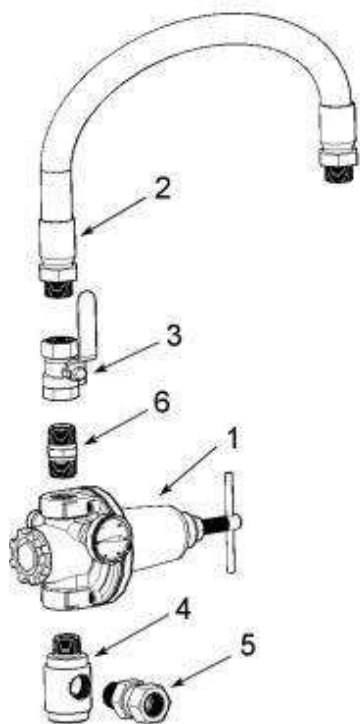
No	D Code	Description	Qty
1	N270-100	AIR MOTOR	1
2	K254-101	ROD, Tie	3
3	K254-102	ADAPTER	1
4	K254-103	COVER	1
5	K254-104	COUPLING Assembly	1
6	Nxxx-100	PUMP Displacement	1
7	K254-105	NUT	3
8	K254-106	CLIP	1
9	X681-028	NIPPLE	1
10	N270-101	PIPE	2
11	N270-102	ELBOW	2
12	N270-103	MUFFLER	2

K254-200 CART



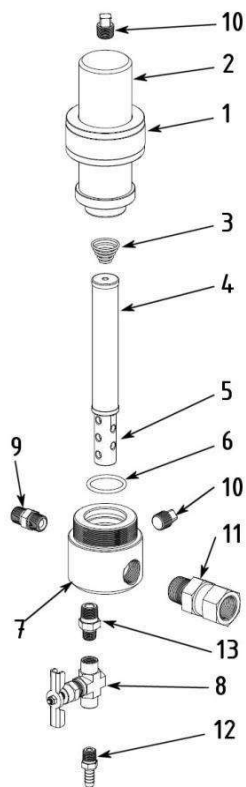
No	D Code	Description	Qty
1	K254-201	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

N270-300 AIR REGULATOR KIT



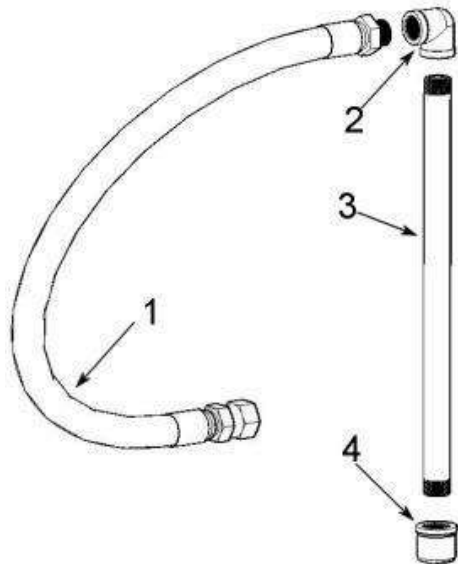
No	D Code	Description	Qty
1	K254-301	AIR REGULATOR	1
2	N270-302	AIR HOSE	1
3	K254-303	SHUTOFF VALVE	1
4	K254-304	AIR MANIFOLD	1
5	K254-305	COUPLING	1
6	K254-306	NIPPLE	1

S254-400 FLUID FILTER



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	NIPPLE	1
10	S254-110	PLUG	2
11	S254-111	UNION	1
12	S254-112	NIPPLE	1
13	S254-113	NIPPLE	1

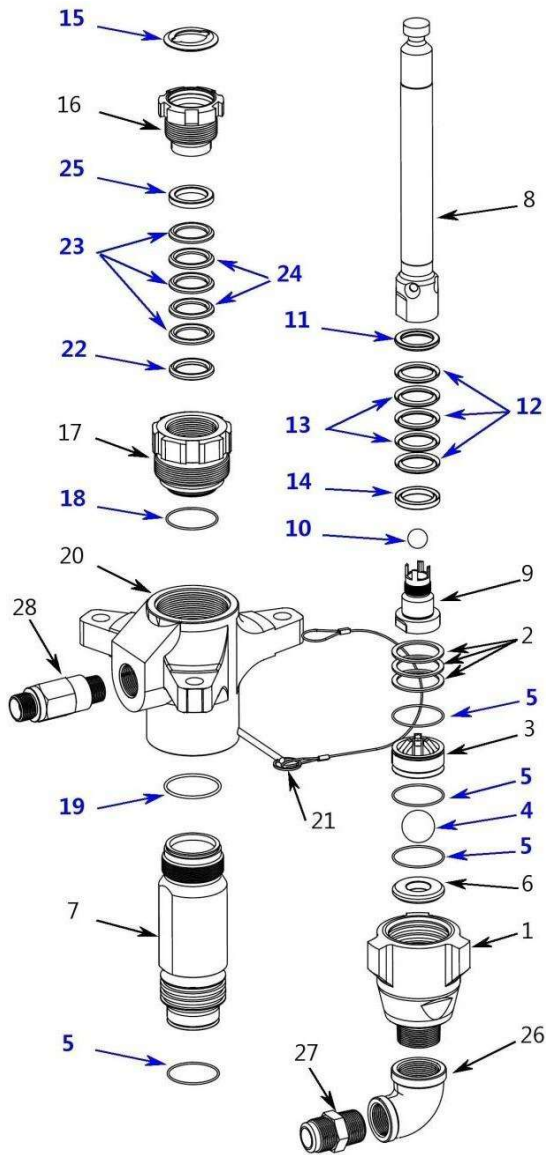
K254-600 SUCTION HOSE ASS'Y



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

Parts Drawing and Parts List

N471-100 PUMP (311cc)



Note : part marked in color are the spare part

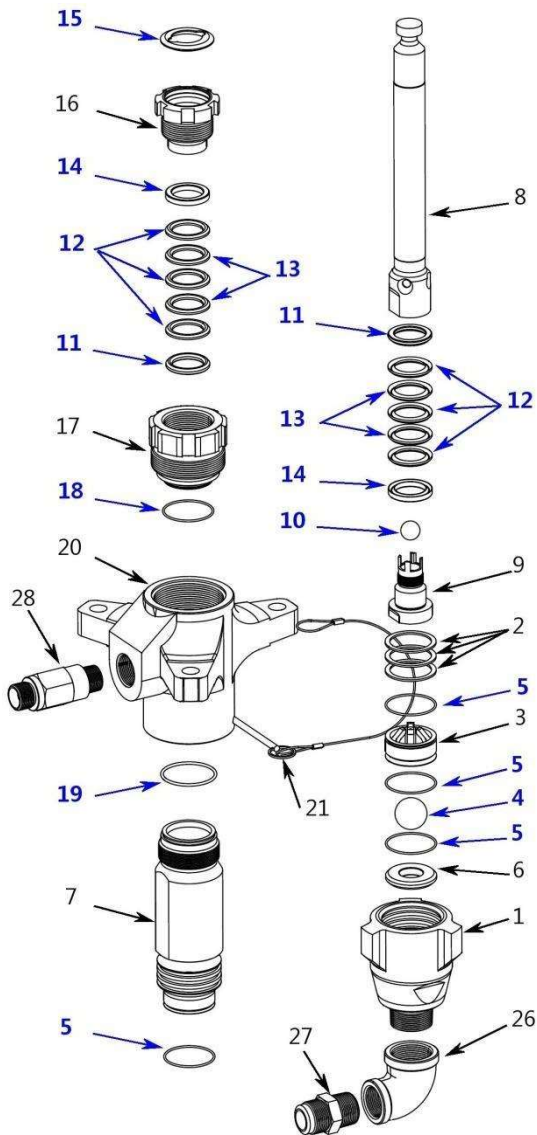
No	D CODE	G CODE	Description	Qty
1	N471-001	197-304	HOUSING , Inlet	1
2	N471-002	244-856	SHIM	3
3	N471-003	197-308	BALL GUIDE	1
4	N471-004	253-030	BALL(1 1/2")	1
5	N471-005	244-894	PACKING ,O-RING	4
6	N471-006	197-344	SEAT	1
7	N471-007	197-319	CYLINDER	1
8	N471-008	197-324	DISPLACEMENT ROD	1
9	N471-009	197-313	PISTON VALVE	1
10	N471-010	244-899	BALL (1")	1
11	N471-011	244-886	GLAND-M	1
12	N471-012	244-868	PACKING-V (UHMWPE)	3
13	N471-013	244-874	PCAKING-V(Leather)	2
14	N471-014	244-880	GLAND-F	1
15	N471-015	244-999	SEAL	1
16	N471-016	197-331	PACKING NUT	1
17	N471-017	197-327	CARTRIDGE	1
18	N471-018	244-891	PACKING, O-RING	1
19	N471-019	244-893	PACKING, O-RING	1
20	N471-020	197-335	HOUSING	1
21	N471-021	244-826	PIN	1
22	N471-022	244-885	GLAND-M	1
23	N471-023	244-867	PACKING-V (UHMWPE)	3
24	N471-024	244-873	PCAKING-V(Leather)	2
25	N471-025	244-879	GLAND-F	1
26	N471-026		TUBE	1
27	N471-027		NIPPLE	1
28	N471-028		JOINT NIPPLE	1

REPAIR KIT No : N471-500 (244-854)
With 4,5,10,11,12,13,14,15,18,19,22,23,24,25

REPAIR KIT No : N471-501 (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

N551-100 PUMP (270cc)



Note : part marked in color are the spare part

No	D CODE	G CODE	Description	Qty
1	N551-001	197-304	HOUSING , Inlet	1
2	N551-002	244-856	SHIM	3
3	N551-003	197-308	BALL GUIDE	1
4	N551-004	253-030	BALL(1 1/2")	1
5	N551-005	244-894	PACKING ,O-RING	4
6	N551-006	197-344	SEAT	1
7	N551-007	197-318	CYLINDER	1
8	N551-008	197-323	DISPLACEMENT ROD	1
9	N551-009	197-312	PISTON VALVE	1
10	N551-010	244-898	BALL(7/8")	1
11	N551-011	245-232	GLAND-M	2
12	N551-012	245-229	PACKING-V (UHMWPE)	6
13	N551-013	245-230	PACKING-V(Leather)	4
14	N551-014	245-233	GLAND-F	2
15	N551-015	244-999	SEAL	1
16	N551-016	197-331	PACKING NUT	1
17	N551-017	197-328	CARTRIDGE	1
18	N551-018	244-891	PACKING, O-RING	1
19	N551-019	244-893	PACKING, O-RING	1
20	N551-020	197-335	HOUSING	1
21	N551-021	244-826	PIN	1
26	N551-026		TUBE	1
27	N551-027		NIPPLE	1
28	N551-028		JOINT NIPPLE	1

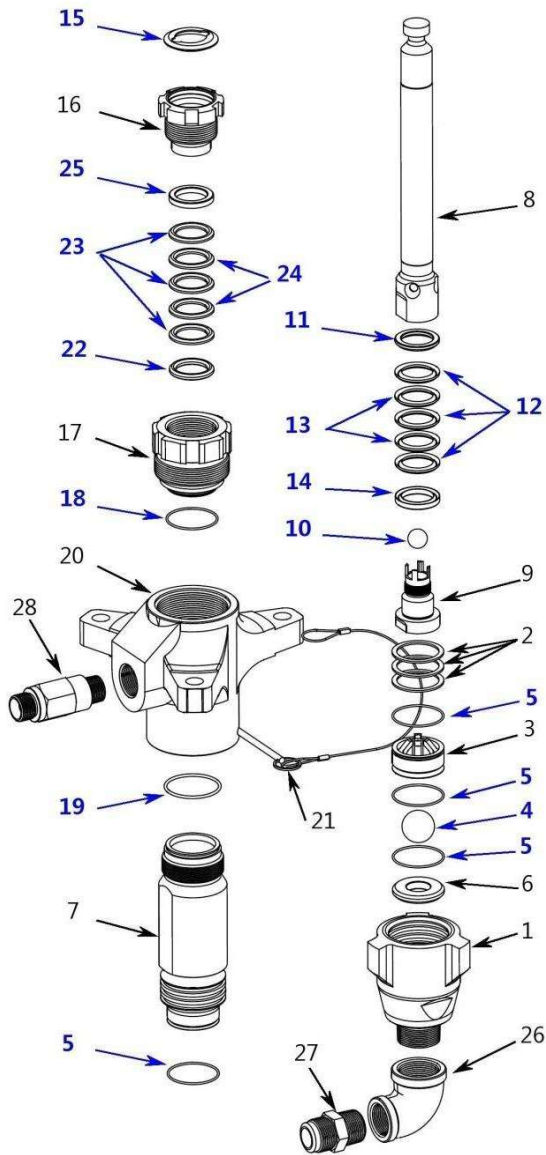
REPAIR KIT No : N551-500 (244-853)
With 4,5,10,11,12,13,14,15,18,19

REPAIR KIT No : N551-501 (244-903)
With 4,5,10,11,13,14,15,18,19
No #13 LEATHER v-packing 10EA

REPAIR KIT No : N551-502 (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

N631-100 PUMP (233cc)



Note : part marked in color are the spare part

No	D CODE	G CODE	Description	Qty
1	N631-001	197-304	HOUSING , Inlet	1
2	N631-002	244-856	SHIM	3
3	N631-003	197-308	BALL GUIDE	1
4	N631-004	253-030	BALL(1 1/2")	1
5	N631-005	244-894	PACKING ,O-RING	4
6	N631-006	197-344	SEAT	1
7	N631-007	197-317	CYLINDER	1
8	N631-008	197-322	DISPLACEMENT ROD	1
9	N631-009	197-311	PISTON VALVE	1
10	N631-010	244-898	BALL (7/8")	1
11	N631-011	244-884	GLAND-M	1
12	N631-012	244-860	PACKING-V (UHMWPE)	3
13	N631-013	244-872	PACKING-V(Leather)	2
14	N631-014	244-878	GLAND-F	1
15	N631-015	244-999	SEAL	1
16	N631-016	197-331	PACKING NUT	1
17	N631-017	197-327	CARTRIDGE	1
18	N631-018	244-891	PACKING, O-RING	1
19	N631-019	244-893	PACKING, O-RING	1
20	N631-020	197-335	HOUSING	1
21	N631-021	244-826	PIN	1
22	N631-022	244-883	GLAND-M	1
23	N631-023	244-859	PACKING-V (UHMWPE)	3
24	N631-024	244-871	PACKING-V(Leather)	2
25	N631-025	244-877	GLAND-F	1
26	N631-026		TUBE	1
27	N631-027		NIPPLE	1
28	N631-028		JOINT NIPPLE	1

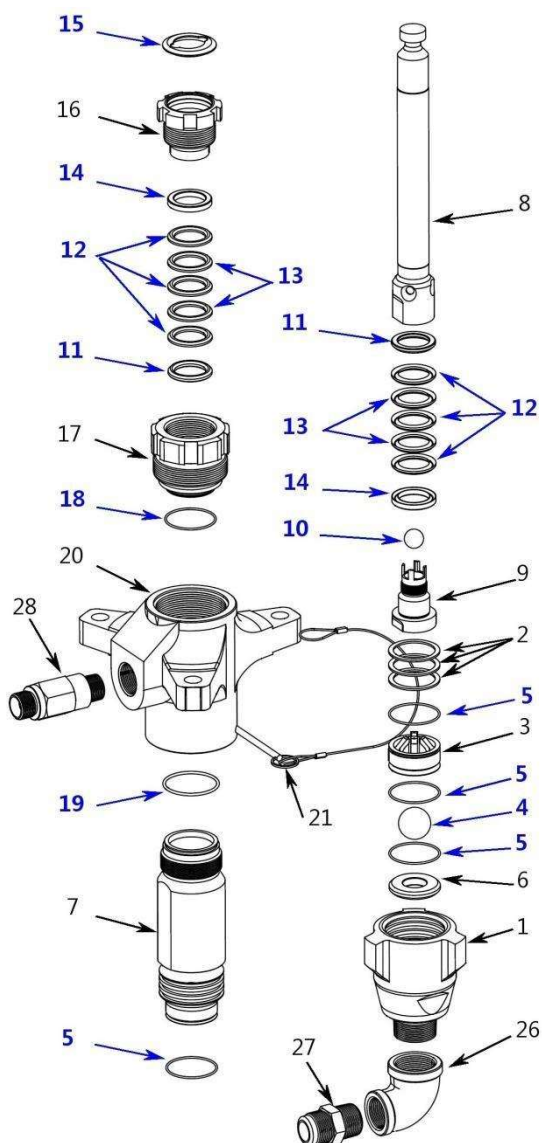
REPAIR KIT No : N631-500 (244-852)
With 4,5,10,11,12,13,14,15,18,19,22,23,24,25

REPAIR KIT No : N631-501 (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 : N631-502 (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

N751-100 PUMP (195cc)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
1	N751-001	197-303	HOUSING , Inlet	1
2	N751-002	244-855	SHIM	3
3	N751-003	197-307	BALL GUIDE	1
4	N751-004	253-031	BALL(1 1/4")	1
5	N751-005	244-890	PACKING ,O-RING	4
6	N751-006	196-358	SEAT	1
7	N751-007	197-316	CYLINDER	1
8	N751-008	197-321	DISPLACEMENT ROD	1
9	N751-009	197-310	PISTON VALVE	1
10	N751-010	253-029	BALL(3/4")	1
11	N751-011	244-882	GLAND-M	2
12	N751-012	244-864	PACKING-V(UHMWPE)	6
13	N751-013	244-870	PACKING-V(Leather)	4
14	N751-014	244-876	GLAND-F	2
15	N751-015	244-996	SEAL	1
16	N751-016	197-330	PACKING NUT	1
17	N751-017	197-326	CARTRIDGE	1
18	N751-018	244-890	PACKING, O-RING	1
19	N751-019	244-892	PACKING, O-RING	1
20	N751-020	197-334	HOUSING	1
21	N751-021	244-826	PIN	1
26	N751-026		TUBE	1
27	N751-027		NIPPLE	1
28	N751-028		JOINT NIPPLE	1

REPAIR KIT No: N751-500 (244-851)

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

REPAIR KIT No: N751-501 (244-901)

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

No #13 LEATHER v-packing 10EA

REPAIR KIT No: N751-502 (246-834)

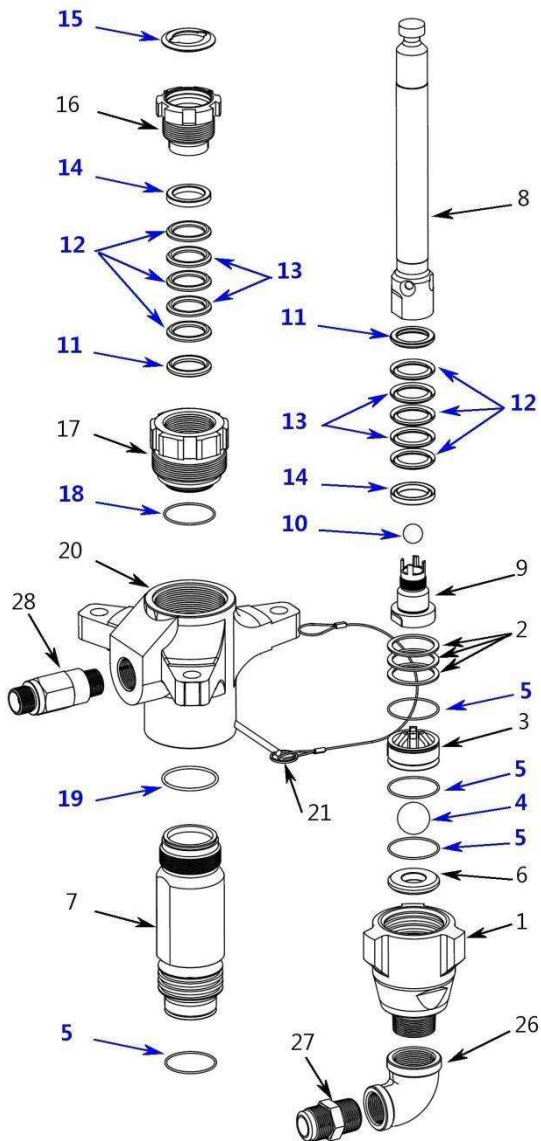
With 4, 5, 10, 11, 12, 13, 14, 15, 18, 19

No #12 UHMWPE v-packing 2EA

#13 LEATHER v-packing 8EA

Parts drawing and Parts List

N951-100 PUMP (155cc)



Note : part marked in color are the spare parts

No	D Code	G Code	Description	Qty
1	N951-001	197-303	HOUSING , Inlet	1
2	N951-002	244-855	SHIM	3
3	N951-003	197-307	BALL GUIDE	1
4	N951-004	253-031	BALL(1 1/4")	1
5	N951-005	244-890	PACKING ,O-RING	4
6	N951-006	196-358	SEAT	1
7	N951-007	197-315	CYLINDER	1
8	N951-008	197-320	DISPLACEMENT ROD	1
9	N951-009	197-309	PISTON VALVE	1
10	N951-010	253-029	BALL(3/4")	1
11	N951-011	244-881	GLAND-M	2
12	N951-012	244-863	PACKING-V(UHMWPE)	6
13	N951-013	244-869	PACKING-V(Leather)	4
14	N951-014	244-875	GLAND-F	2
15	N951-015	244-996	SEAL	1
16	N951-016	197-330	PACKING NUT	1
17	N951-017	197-325	CARTRIDGE	1
18	N951-018	244-890	PACKING, O-RING	1
19	N951-019	244-892	PACKING, O-RING	1
20	N951-020	197-334	HOUSING	1
21	N951-021	244-826	PIN	1
26	N951-026		TUBE	1
27	N951-027		NIPPLE	1
28	N951-028		JOINT NIPPLE	1

REPAIR KIT No: **N951-500 (244-850)**

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

REPAIR KIT No: **N951-501 (244-900)**

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

No #12UHMWPE v-packing 10EA

REPAIR KIT No: **N951-502 (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

2014.12.18 REV 1

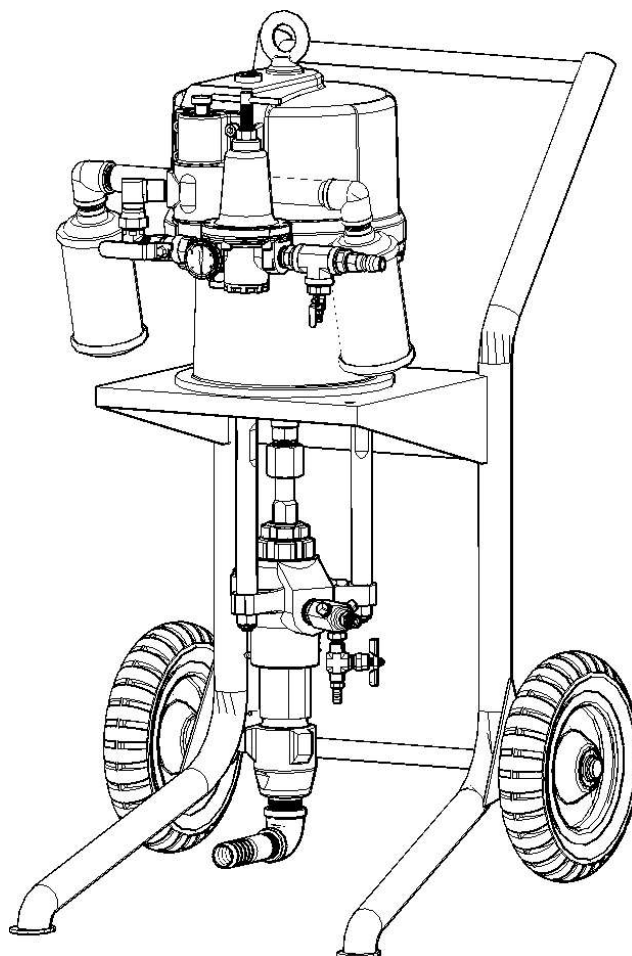
A PATENT APPLICATION

PAT NO. 10-1310083, 10-1449968, 30-0733086, 30-0735073, 10-2014-0047957, 30-2014-0015351
30-2014-0047452

N270 type Air Motor & X- type Displacement Sprayer

Part No.N270-S751, 75:1 Ratio X-type Pump (195cc)

7686 psi (530 bar) Maximum Fluid Working Pressure



DSTech Co., LTD.

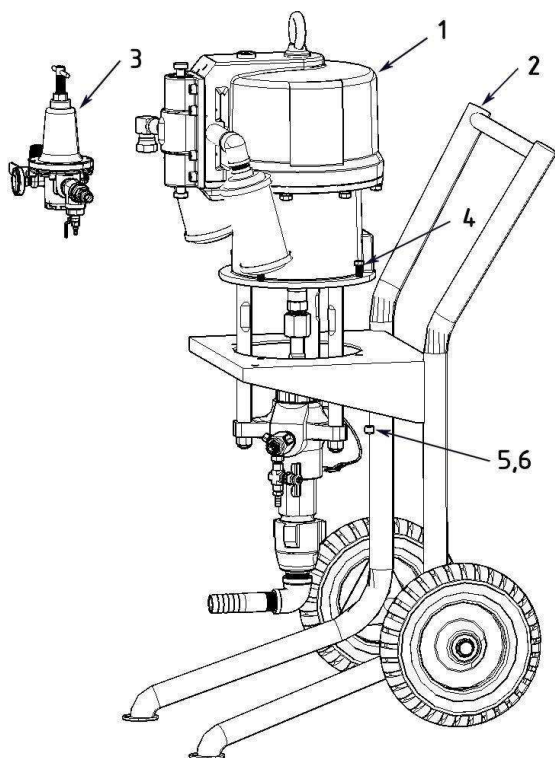
#1461-2, Songjung-dong, Gangseo-gu,
Busan, Korea (618-817)

Tel: 82-51-207-8006

Fax: 82-51-207-8831

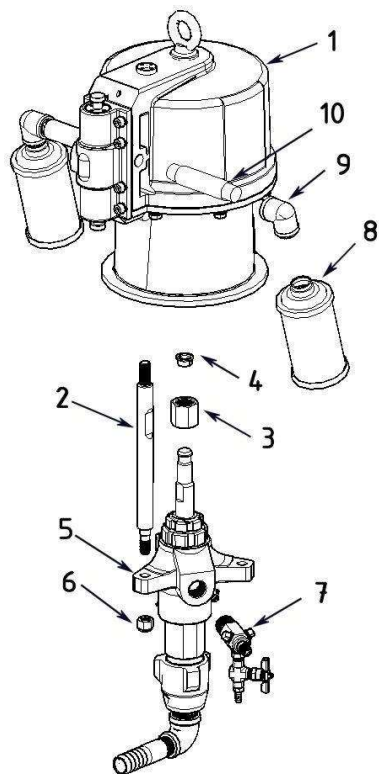
www.dstpump.com

Part Drawing



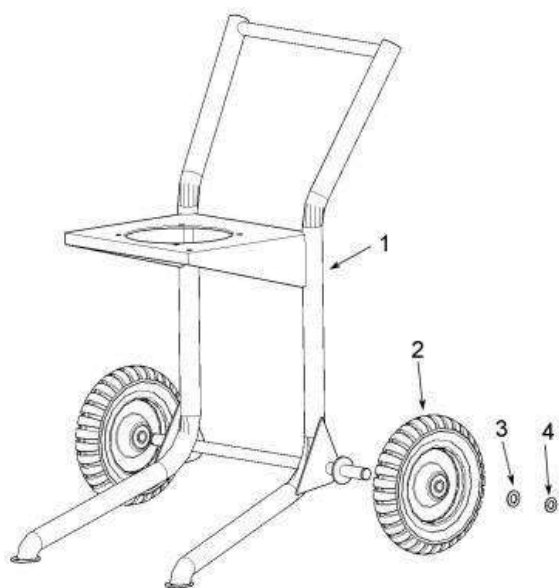
NO	D PART	DESCRIPTION	QTY
1	N270-100	PUMP	1
2	N270-200	CART	1
3	N270-300	AIR REGULATOR KIT	1
4	K254-111	BOLT	4
5	K254-113	NUT	4
6	K254-115	WASHER	1

Nxxx-100 BARE PART



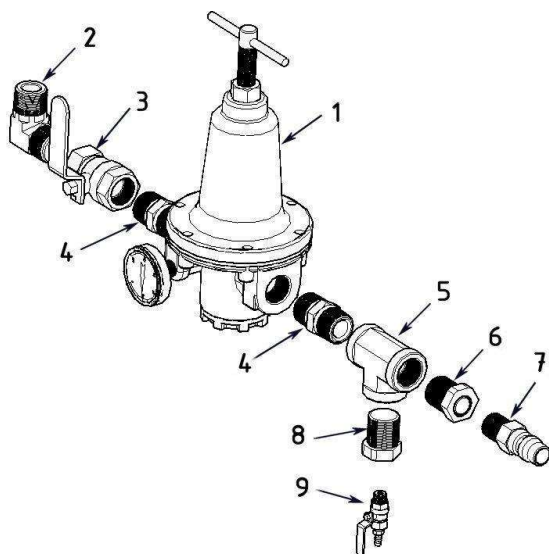
No	D Part No	Description	Qty
1	N270-100	AIR MOTOR	1
2	K254-101	ROD, Tie	3
3	K451-001	NUT, coupling	1
4	K451-002	COLLER	2
5	Nxxx-100	PUMP Displacement	1
6	K254-105	NUT	3
7	N270-107	NIPPLE	1
8	N270-103	MUFFLER	2
9	N270-102	ELBOW	2
10	N270-101	PIPE	2

N270-200 PART



No	D Part	Description	Qty
1	N270-201K	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

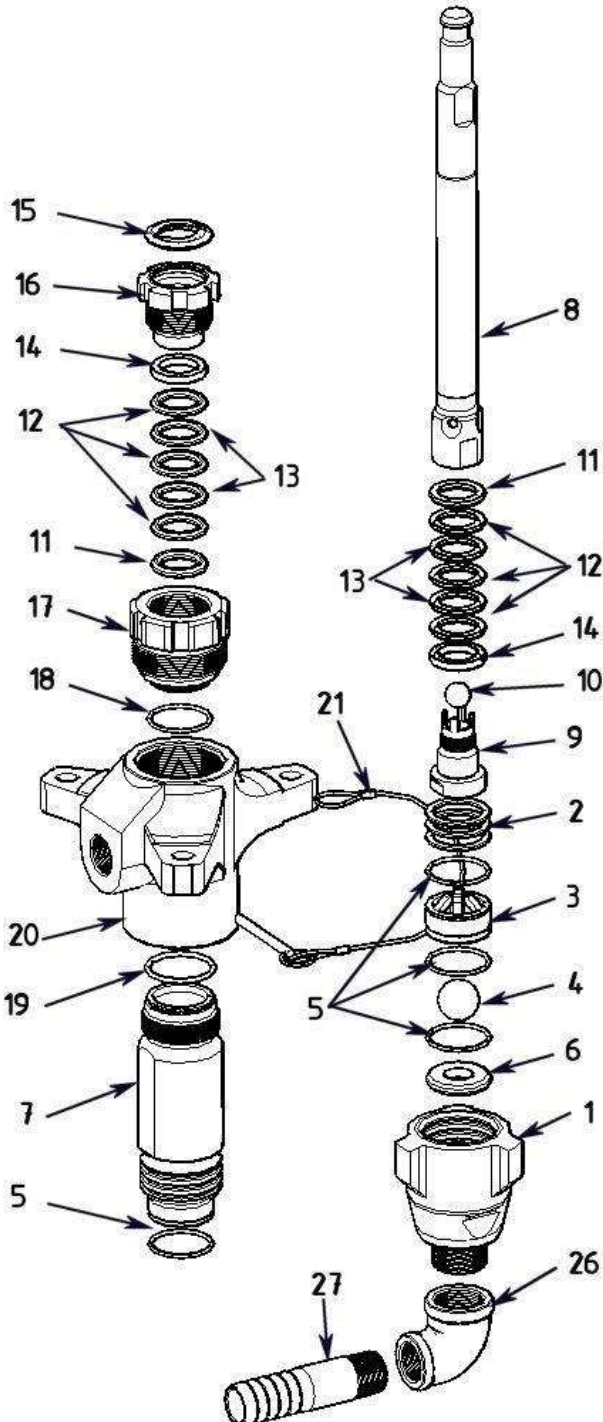
N270-300 Part



No	D Part	Description	Qty
1	K254-301	AIR REGULATOR	1
2	N270-111	ELBOW	1
3	K254-303	VALVE	1
4	K254-306	NIPPLE	2
5	N270-112	TEE	1
6	N270-113	PLUG	1
7	N270-114	AIR COUPLER	1
8	N270-115	PLUG	1
9	N270-116	VALVE	1

Parts drawing and Parts List

S751-100 PUMP (195cc)



Note : part marked in color are the spare parts

No	D Code	Description	Qty
1	N751-001	HOUSING , Inlet	1
2	N751-002	SHIM	3
3	N751-003	BALL GUIDE	1
4	N751-004	BALL(1 1/4")	1
5	N751-005	PACKING ,O-RING	4
6	N751-006	SEAT	1
7	N751-007	CYLINDER	1
8	S751-008	DISPLACEMENT ROD	1
9	N751-009	PISTON VALVE	1
10	N751-010	BALL(3/4")	1
11	N751-011	GLAND-M	2
12	N751-012	PACKING-V(UHMWPE)	6
13	N751-013	PACKING-V(Leather)	4
14	N751-014	GLAND-F	2
15	N751-015	SEAL	1
16	N751-016	PACKING NUT	1
17	N751-017	CARTRIDGE	1
18	N751-018	PACKING ,O-RING	1
19	N751-019	PACKING ,O-RING	1
20	N751-020	HOUSING	1
21	N751-021	PIN	1
26	N751-026	TUBE	1
27	N751-027-1	NIPPLE	1

REPAIR KIT No: **N751-500 (244-851)** With
4, 5, 10, 11, 12, 13, 14, 15, 18, 19

REPAIR KIT No: **N751-501 (244-901)** With
4, 5, 10, 11, 13, 14, 15, 18, 19
No #13 LEATHER v-packing 10EA

REPAIR KIT No: **N751-502 (246-834)** With
4, 5, 10, 11, 12, 13, 14, 15, 18, 19
No #12 UHMWPE v-packing 2EA
#13 LEATHER v-packing 8EA

REPAIR INSTRUCTIONS

2018.05.09 Rev8

PAT NO. 10-1310083, 10-1449968, 30-0733086, 30-0735073, 10-2014-0047957, 30-2014-0015351
30-2014-0047452

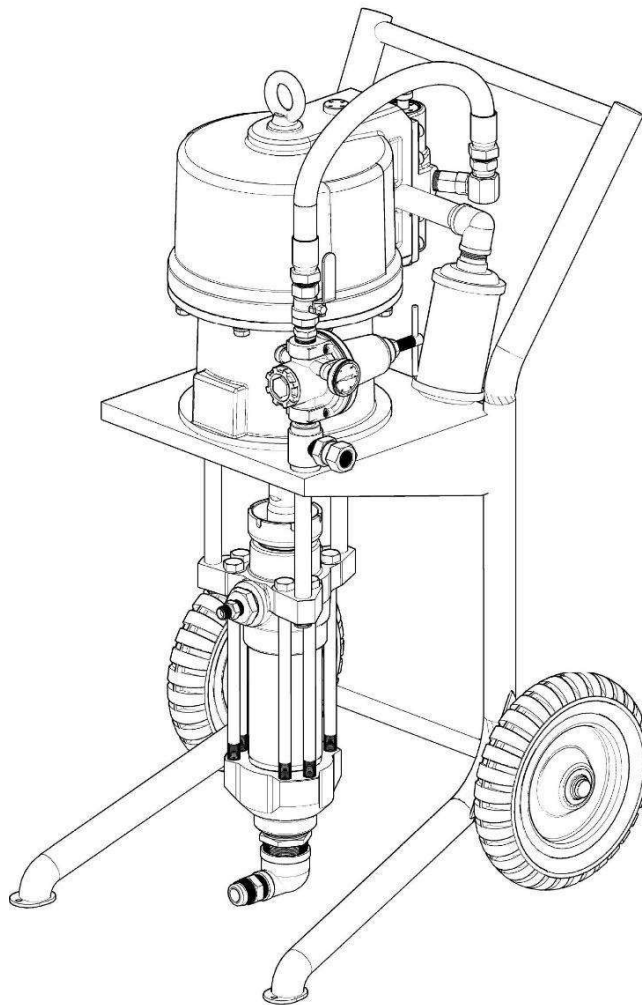
STAINLESS STEEL

N270 Motor & D-180 type Pumps

With Severe-Duty Rod and Cylinder

Part No. **N270-D180**, 32:1 Ratio D-type Pump

3248 psi (224 bar) Maximum Fluid Working Pressure



DSTech Co., LTD.

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

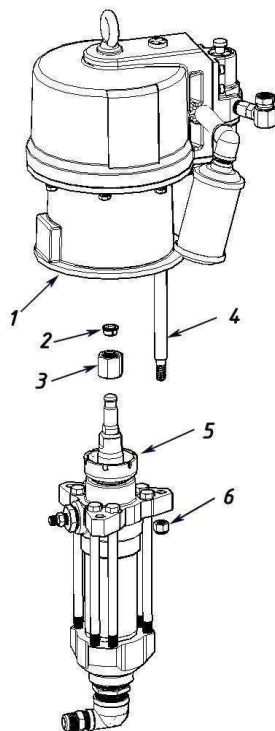
Tel: 82-51-207-8006

Fax: 82-51-207-8831

www.dstpump.com

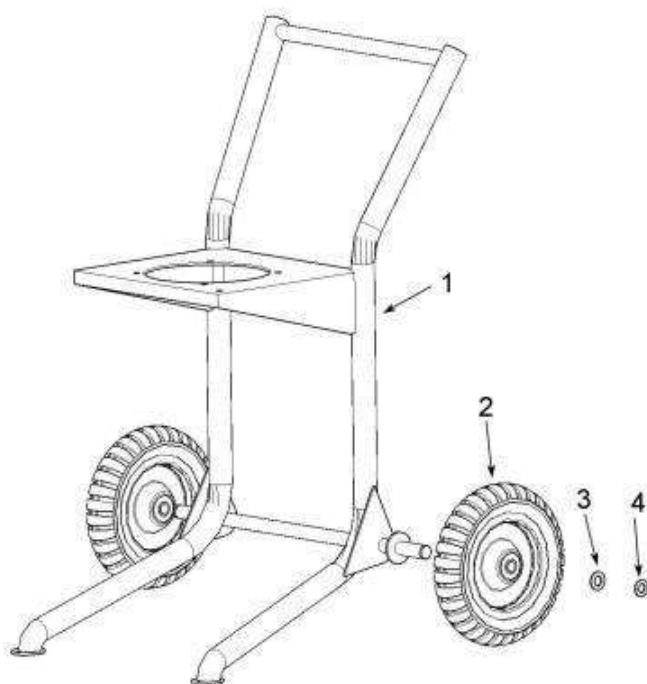
Parts drawing and Parts List

N270-D180-1



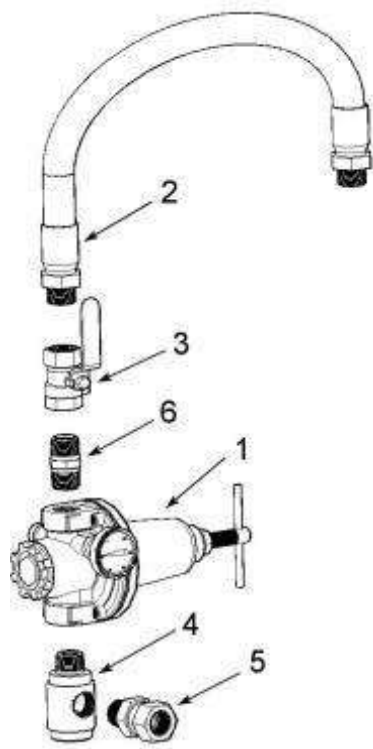
No	D Code	Description	Qty
1	N270-100	AIR MOTOR	1
2	K451-002	COLLER	2
3	K451-001	NUT	1
4	D180-121	ROD, tie	3
5	D180-100	PUMP	1
6	K451-125	NUT	3

K254-200 CART



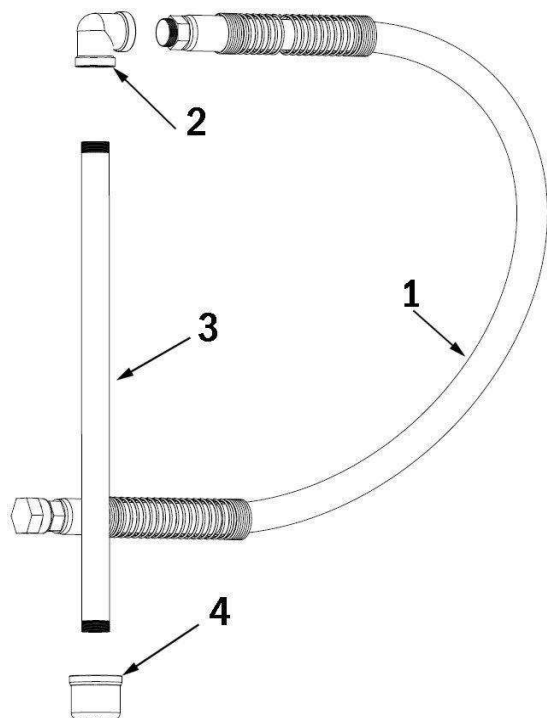
No	D Code	Description	Qty
1	K254-201	CART	1
2	K254-202	TIRE	2
3	K254-203	WASHER	2
4	K254-204	SNAP RING	2

N270-300 AIR REGULATOR KIT



No	D Code	Description	Qty
1	K254-301	AIR REGULATOR	1
2	N270-302	AIR HOSE	1
3	K254-303	SHUTOFF VALVE	1
4	K254-304	AIR MANIFOLD	1
5	K254-305	COUPLING	1
6	K254-306	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