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Service Kit
AP50

Diaphragm Pump
50 CFM

Revision 2

Date: 30 Oct 2025

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AP+ Diaphragm Pump AP50 Cutaway

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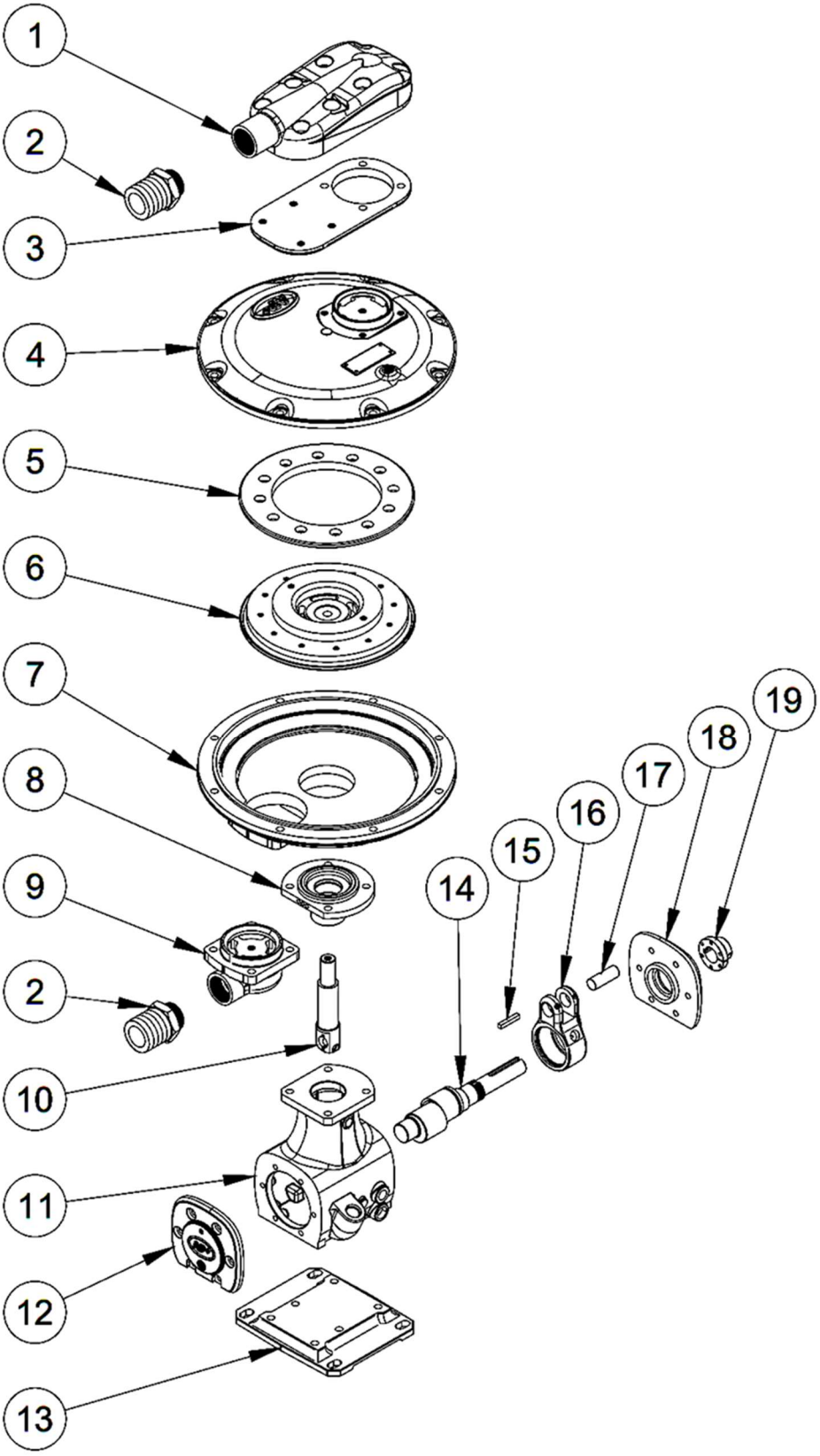
Major Parts



AP+

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Item	Part Number	Description
1	G7C39-0007-AL3	Outlet Nozzle Upper AP50 50CFM
2	HW-HT-BSPP2X1.25-M-BRA	Hose Tail AP50 50CFM
3	G7C39-0006-AL3	Outlet Nozzle Lower AP50 50CFM
4	G7C39-0002-AL3	Upper Housing AP50 50CFM
5	G7C39-0003-AL3	2 Piece Actuator Upper AP50 50CFM
6	G7C39-0004-AL3	2 Piece Actuator Lower AP50 50CFM
7	G7C39-0001-AL3	Lower Housing AP50 50CFM
8	G7C39-0008-BRA	Actuator Shaft Guide AP50 50CFM
9	G7C39-0005-AL3	Inlet Nozzle AP50 50CFM
10	G7C39-0009-CRM	Actuator Shaft AP50 50CFM
11	G7C39-0011-SG1	Crank Case AP50 50CFM
12	G7C39-0013-SG1	Bearing Cover NDE AP50 50CFM
13	G7C39-0012-SG1	Crank Case Adapter Feet AP50 50CFM
14	G7C39-0010-CRM	Crank Shaft AP50 50CFM
15	G5C39-0020-KS	Key Steel AP50 50CFM
16	G2C39-0012-SG1	Connecting Rod AP50 50CFM
17	G2C39-0014-SS4	Fulcrum Pin AP50 50CFM
18	G7C39-0014-SG1	Bearing Cover DE AP50 50CFM
19	G20C07-0001-STE	QD Bush SK1 AP50 50CFM

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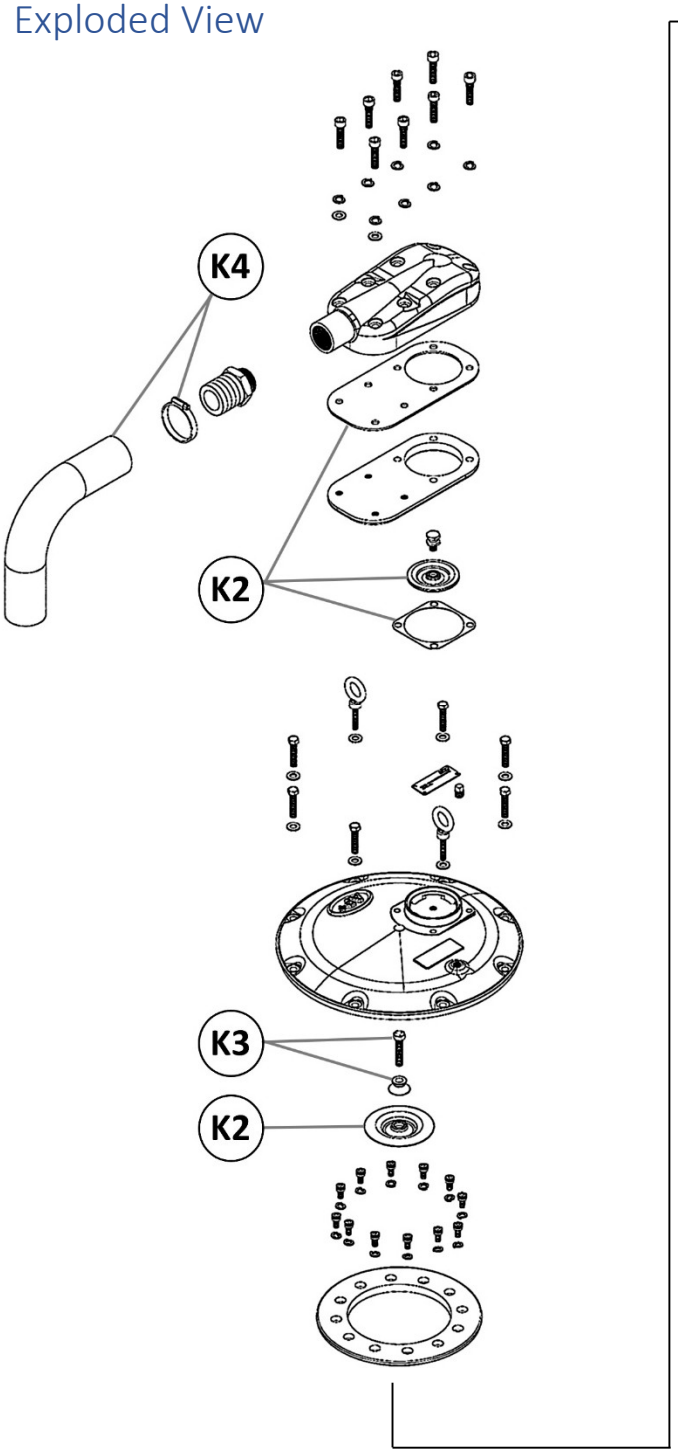
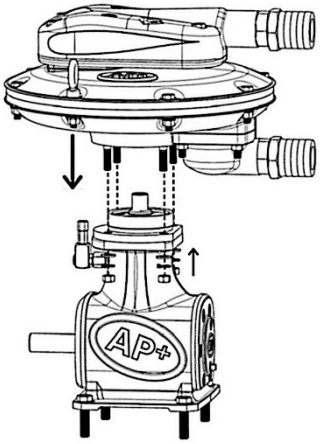
Exploded View



UPPER AND LOWER SUB ASSEMBLIES



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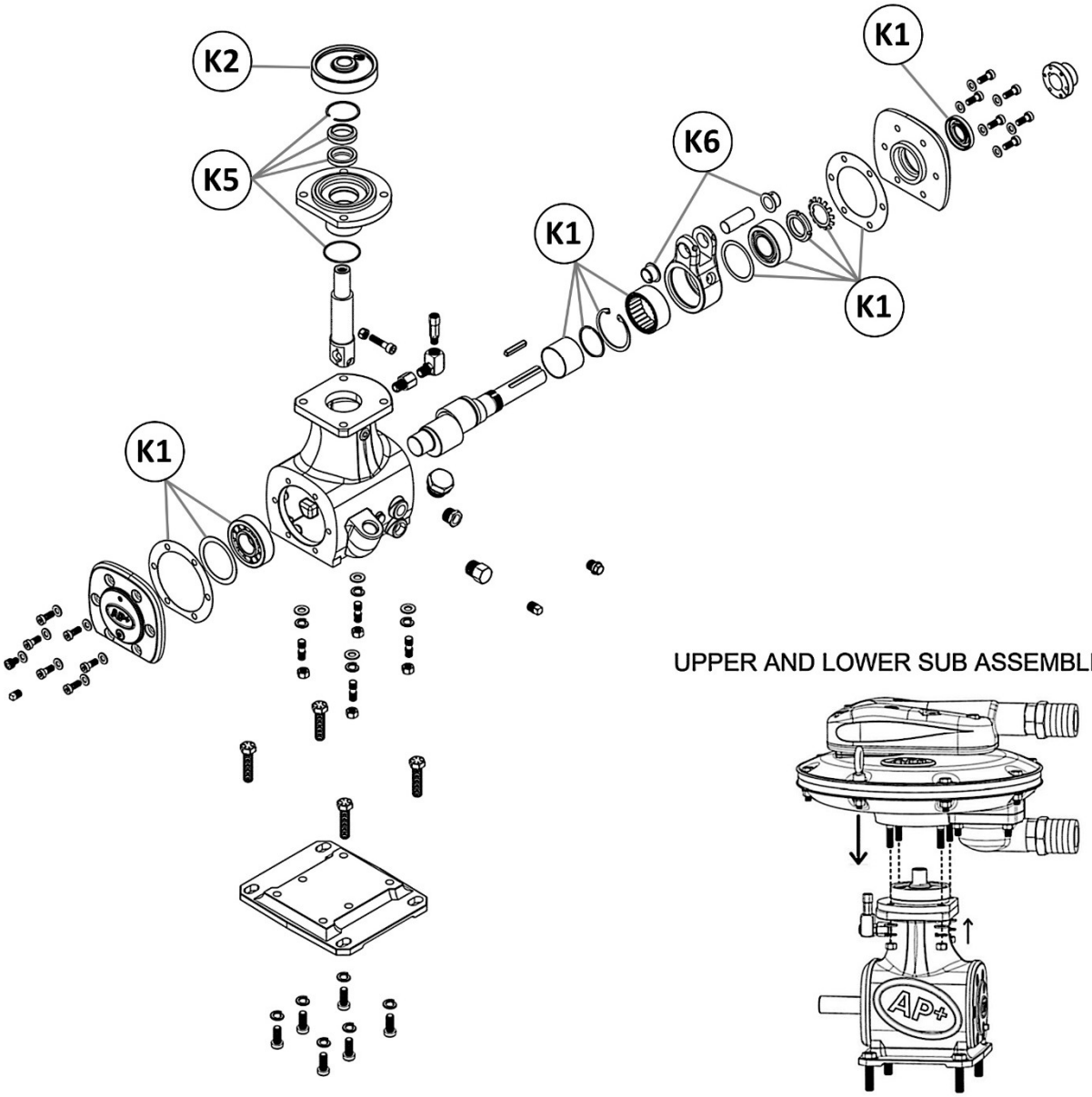

UPPER AND LOWER SUB ASSEMBLIES

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Service Kits

Kit P/N: KIT-G7C39-0001 **Kit Description**: Bearing Kit AP50 Diaphragm Pump	**Material**	**Qty**	K1
Double Row Angular Contact Bearing DE		1	
Bearing Shim DE	316 SS	2	
Single Row Cylindrical Roller Bearing NDE		1	
Bearing Shim NDE	316 SS	2	
Bearing Lock Washer		1	
Bearing Lock Nut		1	
Single Row Needle Roller Bearing Connecting Rod		1	
Oil Seal Bearing Cover DE	Nitrile	1	
Locking Ring Crank Shaft		1	
Circlip Crank Shaft		1	
Inner Bearing Ring Crank Shaft Sleeve		1	
Gasket DE Bearing AP50		1	
Gasket NDE Bearing AP50		1	

Kit P/N: KIT-G7C39-0002 **Kit Description**: Elastomer Kit AP50 Diaphragm Pump	**Material**	**Qty**	K2
Neck Seal	EPDM	1	
Actuator Valve	EPDM	1	
Actuator Seal	EPDM	1	
Inlet/Outlet Valve	EPDM	2	
Inlet/Outlet Gasket	Nitrile	2	
Outlet Nozzle Gasket	Nitrile	1	

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Kit P/N: KIT-G7C39-0003 **Kit Description**: Actuator Washer Kit AP50 Diaphragm Pump	**Material**	**Qty**	K3
Actuator Washer	SS316	1	
Bolt 7/16"-14 UNC X 2"	SS304	1	

Kit P/N: KIT-G7C39-0004 **Kit Description**: Exhaust Hose Kit AP50 Diaphragm Pump	**Material**	**Qty**	K4
Exhaust Hose	Rubber	1	
Exhaust Hose Clamp	SS316	1	

Kit P/N: KIT-G2C39-0005 **Kit Description**: Actuator Shaft Lip Seal Kit AP50 Diaphragm Pump	**Material**	**Qty**	K5
O-ring Actuator Shaft	Viton	1	
Lip Seal Actuator Shaft	Viton	2	
Locking Ring Actuator Shaft		1	

Kit P/N: KIT-G2C39-0006 **Kit Description**: Solid Bearing Kit AP50 Diaphragm Pump	**Material**	**Qty**	K6
Solid Bearing Connecting Rod	Brass	2	