



LS25K Air Drive Diaphragm Pump 气动隔膜泵

Quality Control System ISO9001 Certified

ISO9001 质量控制体系认证

Environmental Management System ISO14001 Certified

ISO14001 环境管理体系认证

Explanation of Pump Nomenclature 泵的术语解释

LS25K Air Drive Diaphragm Pump LS25K 气动隔膜泵

MODEL 型号	SIZE(DN) 口径	HOUSING MATERIAL 外壳材质	INTERMEDIATE MATERIAL 中间体材质	DIAPHRAGM MATERIAL 隔膜材质	VALVE SEAT MATERIAL 阀座材质	VALVE BALL MATERIAL 阀球材质	OTHERS 其他
LS25K AA-AA-SP-SP-SP-00	25	AA	AA	SP	SP	SP	00
LS25K AA-AA-T/N-TT-TT-00	25	AA	AA	T/N	TT	TT	00
LS25K AA-AA-NE-PP-NE-00	25	AA	AA	NE	PP	NE	00
LS25K SS-AA-SP-SP-SP-00	25	SS	AA	SP	SP	SP	00
LS25K SS-AA-NE-PP-NE-00	25	SS	AA	NE	PP	NE	00
LS25K SS-AA-T/N-TT-TT-00	25	SS	AA	T/N	TT	TT	00
LS25K CS-AA-SP-SP-SP-00	25	CS	AA	SP	SP	SP	00
LS25K CS-AA-NE-PP-NE-00	25	CS	AA	NE	PP	NE	00
LS25K CS-AA-T/N-TT-TT-00	25	CS	AA	T/N	TT	TT	00
*We welcome OEM also 我们也欢迎 OEM 合作.							

SIZE (DN)

25=1"

HOUSING MATERIAL

外腔体材质

AA= aluminium alloy 铝合金

SS= stainless steel 不锈钢

CS= carbon steel 碳钢

VALVE SEAT MATERIAL

阀座材质

PP= Polypropylene 聚丙烯

TT= teflon 特氟龙

SS= stainless steel 不锈钢

SP= santoprene 三道橡胶

NE= neoprene 氯丁橡胶

BN= NBR 丁腈橡胶

VT= fluororubber 氟橡胶

INTERMEDIATE MATERIAL

中间体材质

AA= aluminium alloy 铝合金

VALVE BALL MATERIAL

阀球材质

SP= santoprene 三道橡胶

NE= neoprene 氯丁橡胶

TT= teflon 特氟龙

BN= NBR 丁腈橡胶

VT= fluororubber 氟橡胶

SS= stainless steel 不锈钢

DIAPHRAGM MATERIAL

隔膜材质

SP= santoprene 三道橡胶

T/N= teflon/santoprene 特氟龙/氯丁橡胶

NE= neoprene 氯丁橡胶

BN= NBR 丁腈橡胶

VT= fluororubber 氟橡胶

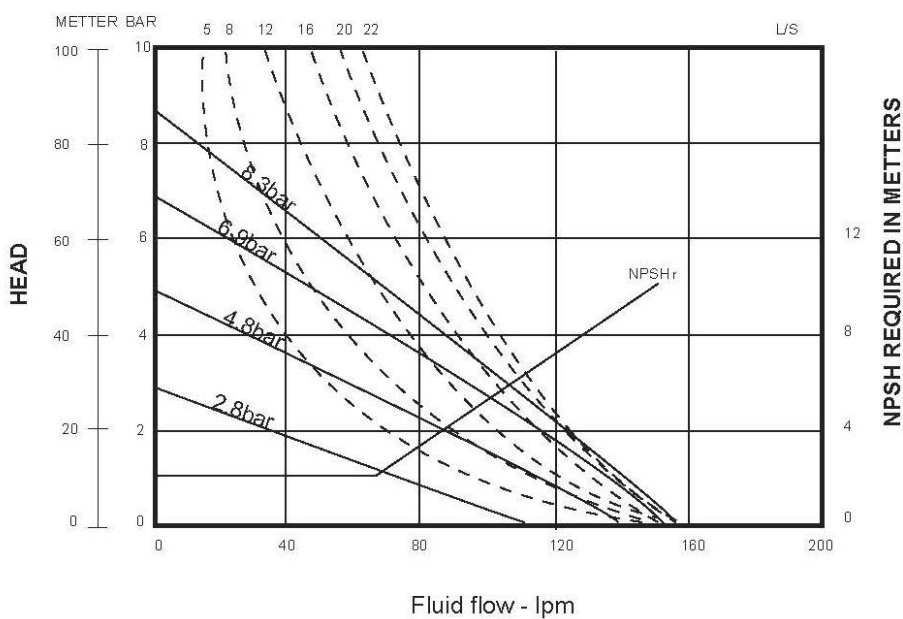
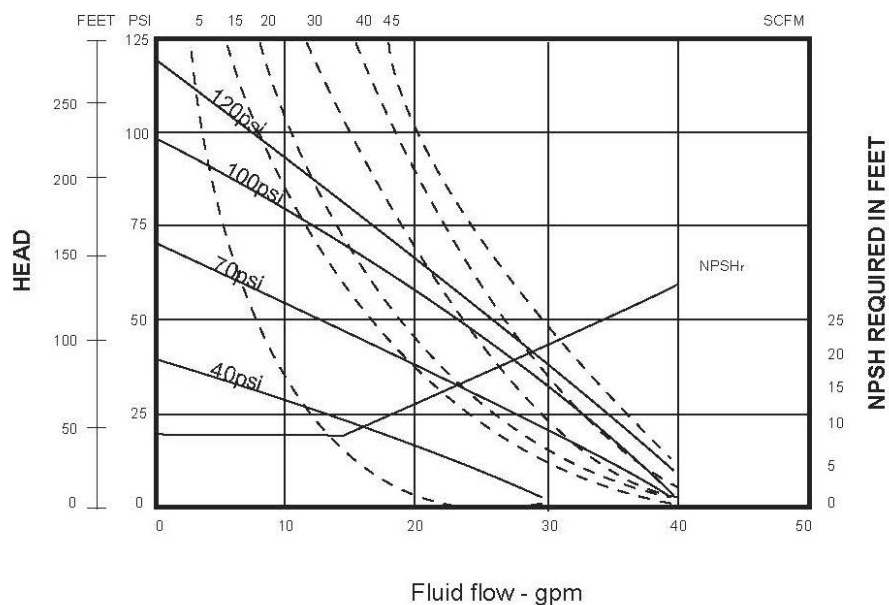
OTHER 其他

00=BSPT connection BSPT 内螺纹接口

01=NPT connection NPT 内螺纹接口

0F=Flange connection 法兰接口

Engineering, Performance & Construction Data 性能曲线



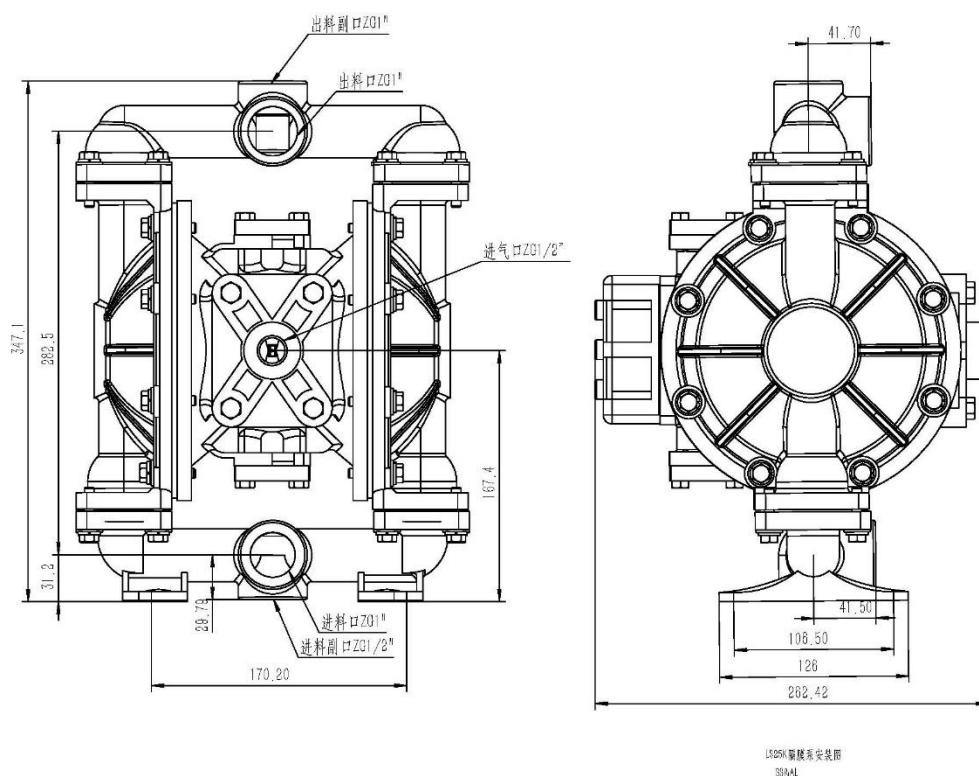
CAPACITY 流量

Skylink Pumps are Designed to be Powered Only by Compressed Air

斯凯力隔膜泵仅设计为压缩空气驱动

SUCTION/DISCHARGE 进出口	CAPACITY 流量	AIR VALVE 气阀	SOLIDS-HANDLING 输送最大颗粒	HEADS UP TO 最大工作流体压力	DISPLACEMENT 单次循环排量	WEIGHT(kg) 重量	
Rc1" Threaded port Rc1" 螺纹接口	170 lpm (max) 170 升/分钟 (最大)	No-lube, no-stall 无油润滑, 无死点	1/4" / 6mm (max) 2 分/6 毫米 (最大)	125 psi / 8.6bar of water 125PSI/8.6bar 水压	0.11gallon / 0.42 liter 0.11 加仑/0.42 升	12(AL) 铝合金 12 公斤	19(CS/SS) 碳钢/不锈钢 19 公斤

DIMENTION 外形尺寸图



Aluminium Alloy , Stainless Steel&Carbon Steel(Housing Material)

铝合金，不锈钢和碳钢（外壳材质）

BSPT Connection

BSPT 螺纹接口

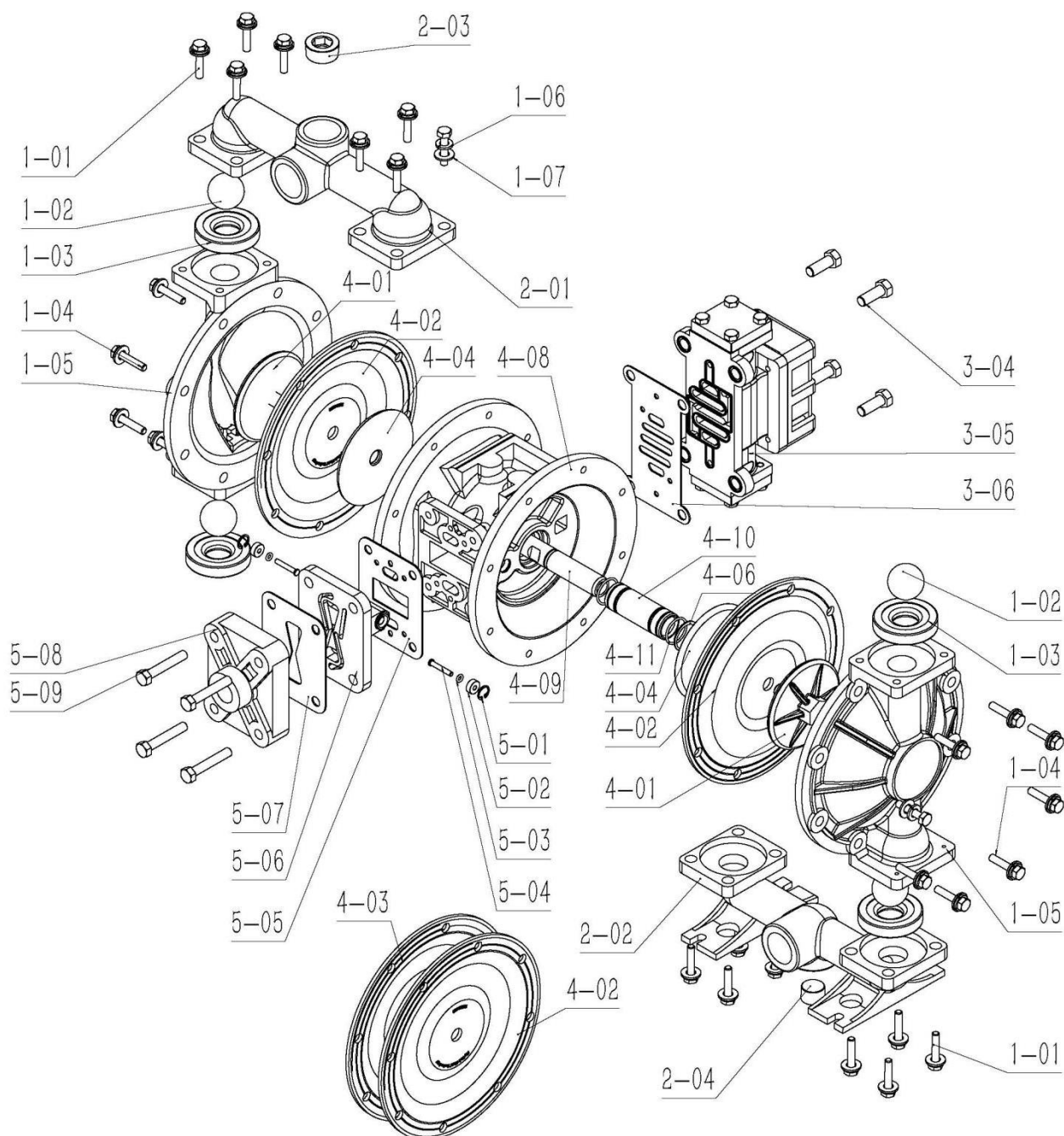


CAUTION! 警告!

Operating temperature limitations are as follows 极限工作温度如下:

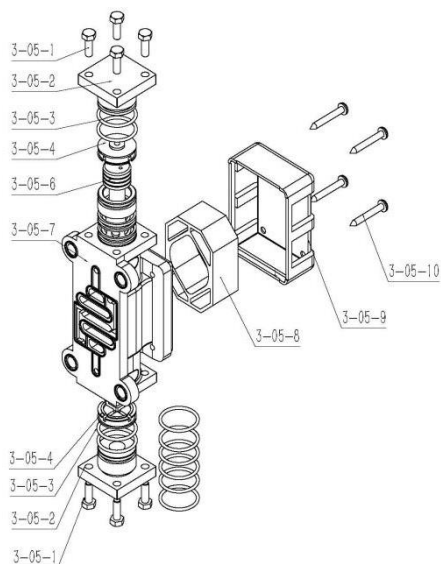
Materials 材质	Maximum 最高	Minimum 最低
Buna: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons. 丁腈橡胶: 通用, 具抗油性, 有良好的耐溶剂、耐油、耐水以及液压油性能。不能用于丙酮和丁酮、臭氧、氯化烃和硝基化合物等强极性溶剂。	190°F 88°C	-10°F -23°C
EPDM: Shows very good water and chemical resistance. Has poor resistance to oil and solvents, but is fair in ketones and alcohols. 三元乙丙橡胶: 有非常好的抗水性和耐化学性。抗油性和抗溶剂性差, 但在酮和醇中性质不变。	280° F 138° C	-40°F -40°C
Neoprene: All purpose. Resistant to vegetable oil. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters, nitro hydrocarbons and chlorinated aromatic hydrocarbons. 氯丁橡胶: 通用, 具抗植物油性。一般不受中度化学品、脂肪、油脂、多种油和溶剂影响。通常会受强氧化性酸、酮、酯、硝基烃和氯代芳烃腐蚀。	177°F 77°C	-10°F -23°C
Santoprene: Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance. 三道橡胶: 无纤维层的注塑成型热塑性橡胶, 机械挠曲寿命长, 具有优异的耐磨性。	225°F 107°C	-10°F -23°C
Virgin PTFE: Chemically inert, virtually impervious. Very few chemicals are known to react chemically with PTFE- molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures. 聚四氟乙烯: 具化学惰性, 几乎完全不透水。极少有化学物质可以与聚四氟乙烯发生化学反应-除了熔化的碱性金属、紊流液体或气态氟以及一些在温度升高时易释放出游离氟的氟代化学物质(如三氟化氯、二氟化氧等)。	220° F 104° C	-35°F -37°C
Viton: Shows good resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. 氟橡胶: 有良好的抗油性抗溶剂性; 尤其是对所有脂肪族、芳香族和卤代烃、酸类、动植物油。	350° F 177° C	-40° F -40° C
Polypropylene: Thermoplastic polymer. Moderate tensile and flex strength. Resists strong acids and alkaline. Attacked by chlorine, fuming nitric acid and other strong oxidizing agents. 聚丙烯: 热塑性聚合物。中等拉伸强度和抗弯强度。抗强酸和强碱。易受氯气、发烟硝酸及其他强氧化剂的侵蚀。	150°F 66°C	32°F 0°C
PVDF: A durable fluoroplastic with excellent chemical resistance. Excellent for UV applications. High tensile strength and resistance. 聚偏二氟乙烯: 一种耐用的氟塑料, 具有优异的耐化学性, 在 UV 应用方面是最佳选择, 具有高拉伸强度和耐冲击性。	250°F 121°C	0°F -18°C
For specific applications, always consult "Chemical Resistance Chart" Technical Bulletin. 如有特殊应用, 请查询"Chemical Resistance Chart"技术资料。		

Exploded View 分解图



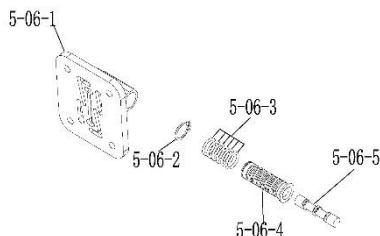
Number图号	Part Number零件编号	Description描述	Quantity数量
1-01	0025.0699 (CS)	Capscrew球座外六角螺钉 (碳钢)	16
	0025.0690 (SS)	Capscrew球座外六角螺钉 (不锈钢)	
1-02	1025.6154(Teflon)	Ball,Check 阀球 (特氟龙)	4
	1025.6158(SP)	Ball,Check 阀球 (三道橡胶)	
	1025.6152(NE)	Ball,Check 阀球 (氯丁橡胶)	
1-03	0025.6054L (Teflon)	Seat,Check Valve 阀座 (特氟龙)	4
	0025.6058 (SP)	Seat,Check Valve 阀座 (三道橡胶)	
1-04	0025.0999(CS)	Capscrew外腔体外六角螺钉 (碳钢)	16
	0025.0990(SS)	Capscrew外腔体外六角螺钉 (不锈钢)	
1-05	0025.1990L(SS)	Chamber,Outer外腔体 (不锈钢)	2
	0025.1991L(AL)	Chamber,Outer外腔体 (铝合金)	
	0025.1999L(CS)	Chamber,Outer外腔体 (碳钢)	
2-01	0025.1890L(SS)	Manifold,Discharge出料口 (不锈钢)	1
	0025.1891L(AL)	Manifold,Discharge出料口 (铝合金)	
	0025.1899L(CS)	Manifold,Discharge出料口 (碳钢)	
2-02	0025.1690L(SS)	Manifold,Suction进料口 (不锈钢)	1
	0025.1691L(AL)	Manifold,Suction进料口 (铝合金)	
	0025.1699L(CS)	Manifold,Suction进料口 (碳钢)	
3-04	0025.0790	Capscrew 主气阀螺丝	4
3-05	0025.4600L	Air Valve 主气阀组件	1
3-06	0025.7054	Gasket,Air Valve 主气阀垫片	1
4-01	1025.3290(SS)	Plate,Outer Diaphragm膜片外压板 (不锈钢)	2
	1025.3291(AL)	Plate,Outer Diaphragm膜片外压板 (铝合金)	
	1025.3299(CS)	Plate,Outer Diaphragm膜片外压板 (碳钢)	
4-02	0025.8658 (SP)	Diaphragm膜片 (三道橡胶)	2
	0025.8652 (NE)	Diaphragm膜片 (氯丁橡胶)	
4-03	0025.8654 (Teflon)	Diaphragm膜片 (特氟龙)	
4-04	1025.3391 (AL)	Plate,Inner Diaphragm膜片内压板(铝合金)	2
	1025.3399(CS)	Plate,Inner Diaphragm膜片内压板(碳钢)	
4-06	1025.9789	Jump ring 中间轴套筒卡簧	2
4-08	0025.3791L	Bracket,Intermediate中间体	1
4-09	0025.3400L	Rod,Diaphragm Assembly中间轴组件	1
4-10	0025.9540L	Sleeve中间轴套筒	1
4-11	1025.9651	O ring 中间轴套筒O型圈	2
5-01	0012.3989	Ring,Retaining 顶针卡簧	2
5-02	0012.3640	Bushing 顶针袖套	2
5-03	0158.7390	O-Ring 顶针 O 型圈	2
5-04	0025.3590	Pin,Actuator 顶针	2
5-05	0025.6652	Gasket,Pilot Valve 分配阀垫片	1
5-06	0025.4100L	Pilot Valve 分配阀组件	1
5-07	0025.6552	Gasket,Air Inlet 进气盖垫片	1
5-08	0025.4091L	Cap,Air Inlet Assembly 进气盖	1
5-09	0025.0590	Capscrew 进气盖螺栓	4

主气阀分解图:



Number 图号	Part Number 零件编号	Description 描述	Quantity 数量
3-05	0025.4600L	Air Valve主气阀组件	1
3-05-1	0015.0891	Capscrew气阀端盖螺丝	8
3-05-2	0025.4891L	Cap, End 气阀端盖	2
3-05-3	0258.6751	O-Ring O型圈, 阀套/气阀端盖通用	10
3-05-4	0025.5040	Bumper 气阀内塞	2
3-05-6	0025.5291	Sleeve and Spool Set气阀阀芯阀套	1
3-05-7	0025.4791L	Body, Air Valve 气阀外壳	1
3-05-8	0025.1090	Muffler 消音器内芯	1
3-05-9	0025.5540	Muffler Cap消音器外壳	1
3-05-10	0025.5440	Capscrew消音器螺栓	4

分配阀分解图:



Number 图号	Part Number 零件编号	Description 描述	Quantity 数量
5-06	0025.4100L	Pilot Valve分配阀组件	1
5-06-1	0025.4340	Body, Pilot Valve 分配阀外壳 PP	1
5-06-2	0158.4589	Retaining Ring 分配阀卡簧	1
5-06-3	0000.7052	O-Ring 分配阀阀套 O 型圈	6
5-06-4	0012.4240L	Sleeve 分配阀阀套	1
5-06-5	0025.4400L	Spool 分配阀阀芯组件	1