



PS15

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

PS15 Air Drive Diaphragm Pump PS15 气动隔膜泵

MODEL 型号	SIZE(DN) 口径	HOUSING MATERIAL 外腔体材质	INTERMEDIATE MATERIAL 中间体材质	DIAPHRAGM MATERIAL 膜片材质	VALVE SEAT MATERIAL 阀座材质	VALVE BALL MATERIAL 阀球材质	OTHER 其他
PS15 PP-PP-T/S-TT-TT-00	15	PP	PP	T/S	TT	TT	00
PS15 PP-PP-SP-TT-SP-00	15	PP	PP	SP	TT	SP	00
PS15 KY-PP-T/S-TT-TT-00	15	KY	PP	T/S	TT	TT	00
PS15 KY-PP-SP-TT-SP-00	15	KY	PP	SP	TT	SP	00
*We welcome OEM also.							

SIZE(DN)

口径

15=1/2"

HOUSING MATERIAL

外腔体材质

PP= Polypropylene 聚丙烯

KY= PVDF 聚偏二氟乙烯

DIAPHRAGM MATERIAL

膜片材质

SP= santoprene 三道橡胶

T/S= teflon/santoprene 特氟龙/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

PP= Polypropylene 聚丙烯

AT= aluminium alloy 铝合金
(teflon coating)特氟龙涂层

VALVE SEAT MATERIAL

阀座材质

TT= Teflon 特氟龙

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

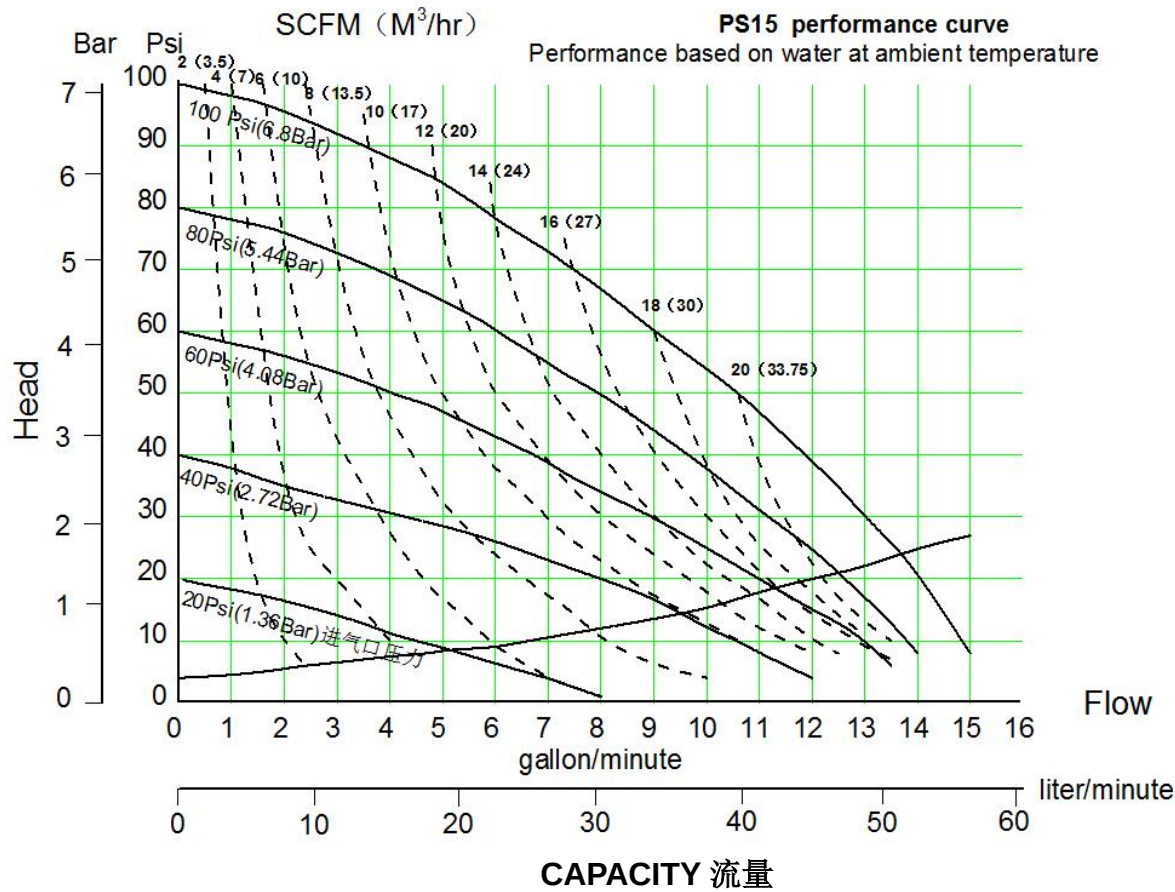
OTHER 其他

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

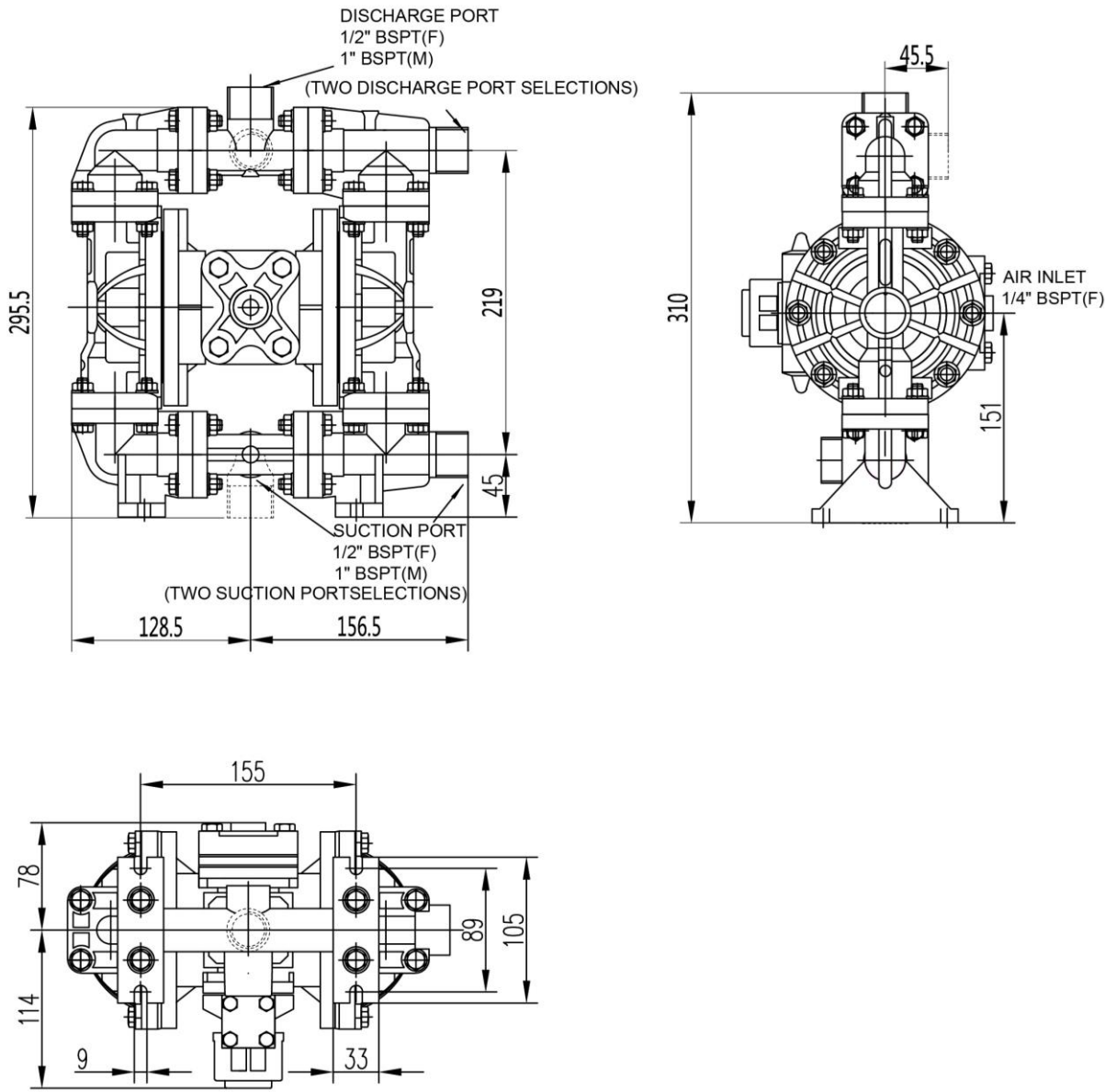
Engineering, Performance & Construction Data 性能曲线



Skylink Pumps are Designed to be Powered Only by Compressed Air

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	
Rc1/2" (R1")	52 lpm (max) 52 升/分钟(最大)	No-lube, no-stall 无油润滑, 无死点	1/8" / 3mm (max) 1 分/3 毫米 (最大)	100 psi / 6.9bar of water 100PSI/6.9bar 水压	0.04gallon / 0.15 liter 0.04 加仑/0.15 升	5.5(PP) PP 泵 5.5 公斤	7.2(PVDF) PVDF 泵 7.2 公斤

Dimension 尺寸图



BSPT Connection BSPT 接口

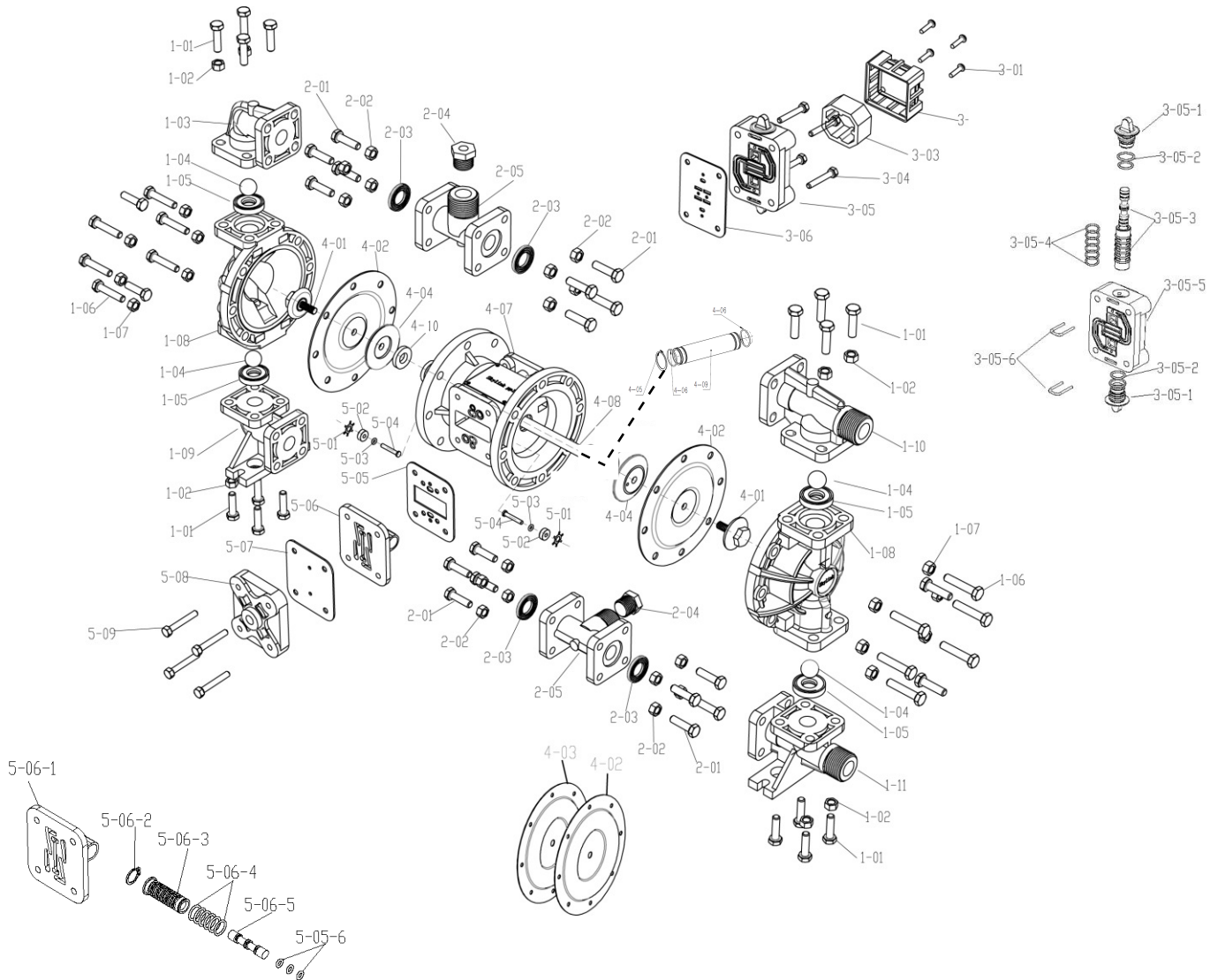


CAUTION! 警告!

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

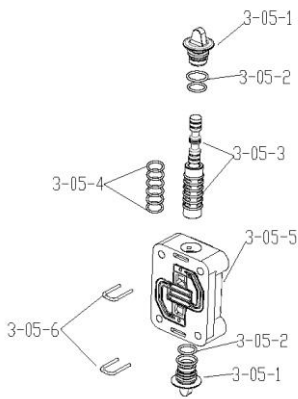
Materials 材质	Maximum 最高	Minimum 最低
Buna: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons. 丁腈橡胶: 通用, 具抗油性, 有良好的耐溶剂、耐油、耐水以及液压油性能。不能用于丙酮和丁酮、臭氧、氯化烃和硝基化合物等强极性溶剂。	180°F 82°C	10°F -12°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	-60°F -51°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。	200°F 93°C	-0°F -18°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。	220°F 104°C	-20°F -29°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	40°F 4°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。	175°F 79°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。	225°F 107°C	10°F -12°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 零件分解图



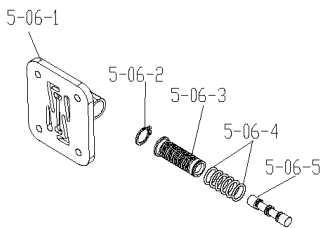
Number	Part Number	Part	Quantity
图号	配件编号	名称	数量
1-01	4015.1490	Capscrew 弯头螺栓	16
1-02	4025.1590C	Nut,Hex 六角螺母	8
1-03	0015.1741	Elbow,Discharge (PP) 出料口弯头 (聚丙烯)	1
1-03	0015.1746	Elbow,Discharge (PVDF) 出料口弯头 (聚偏二氟乙烯)	1
1-04	0015.6154	Ball,Check (Teflon) 球阀 (特氟龙)	4
1-04	0015.6158	Ball,Check (SP) 球阀 (三道橡胶)	4
1-05	0015.5754	Seat,Check Valve (PTFE) 阀座 (特氟龙)	4
1-06	4015.1590	Capscrew 外腔体螺栓	16
1-07	4025.1590C	Nut,Hex 六角螺母	12
1-08	0015.1946	Chamber,Outer (PVDF) 外腔体 (聚偏二氟乙烯)	2
1-08	0015.1941	Chamber,Outer (PP) 外腔体 (聚丙烯)	2
1-09	0015.1446	Elbow,Suction (PVDF) 进料口弯头 (聚偏二氟乙烯)	1
1-09	0015.1441	Elbow,Suction (PP) 进料口弯头 (聚丙烯)	1
1-10	0015.2146	Discharge (PVDF) 出料口 (聚偏二氟乙烯)	1
1-10	0015.2141	Discharge (PP) 出料口 (聚丙烯)	1
1-11	0015.2046	Suction (PVDF) 进料口 (聚偏二氟乙烯)	1
1-11	0015.2041	Suction (PP) 进料口 (聚丙烯)	1
2-01	4015.1490	Capscrew 三通螺栓	16
2-02	4025.1590C	Nut,Hex 六角螺母	16
2-03	0015.7746	Gasket,Tee (PVDF) 三通垫片 (聚偏二氟乙烯)	4
2-03	0015.7741	Gasket,Tee (PP) 三通垫片 (聚丙烯)	4
2-04	0015.0341	Plug (PP) 堵头 (聚丙烯)	2
2-04	0015.0346	Plug (PVDF) 堵头 (聚偏二氟乙烯)	2
2-05	0015.1541	Tee (PP) 三通 (聚丙烯)	2
2-05	0015.1546	Tee (PVDF) 三通 (聚偏二氟乙烯)	2
3-01	0015.1090p	Capscrew 消音器螺栓	4
3-02	0015.5540	Muffler Cap 消音器外壳	1
3-03	0015.5440	Muffler 消音内芯	1
3-04	0015.0890	Capscrew 主气阀螺栓	4
3-05	0015.4640	Air Valve 主气阀组件	1
3-06	0015.7052	Gasket,Air Valve 主气阀垫片	1
4-01	0015.3241	Plate,Outer Diaphragm (PP) 膜片外压板 (聚丙烯)	2
4-01	0015.3246	Plate,Outer Diaphragm (PVDF) 膜片外压板 (PVDF)	2
4-02	0015.8651	NBR Diaphragm 丁腈橡胶膜片	2
4-02	0015.8652	Neoprene Diaphragm 氯丁橡胶膜片	2
4-02	0015.8653	Fluororubber Diaphragm 氟橡胶膜片	2
4-02	0015.8658	Santoprene Diaphragm 三道橡胶膜片	2
4-03	0015.8654	Diaphragm (PTFE) 聚四氟乙烯 (特氟龙) 膜片	2
4-04	0015.3391	Plate,Inner Diaphragm 膜片内压板	2
4-05	0015.9789	RINGS 中间轴套筒卡簧	2
4-06	0015.9651	O-ring 中间轴套筒O型圈	2
4-07	0015.3191c	Bracket,Intermediate 中间体 AL	1
4-07	0015.3740	Bracket,Intermediate 中间体 PP	1
4-08	0015.3490	Rod,Diaphragm 中间轴	2
5-01	0012.3989	Ring,Retaining 顶针卡簧	2
5-02	0012.3640	Bushing 顶针轴套	2
5-03	0158.7390	O-Ring 顶针 O 型圈	2
5-04	0015.3590	Pin,Actuator 顶针	2
5-05	0015.6652	Gasket,Pilot Valve 分配阀垫片	1
5-06	0015.4140	Pilot Valve 分配阀组件	1
5-07	0015.6552	Gasket,Air Inlet 进气盖垫片	1
5-08	0015.4091p	Cap,Air Inlet Assembly 进气盖	1
5-09	0015.0990	Capscrew 进气盖螺栓	4
4-09	0015.9540L	Bush 中间轴套筒	1
4-10	0015.6352	Cushions 1/2"减震圈	2

主气阀配件分解图：



Number	Part Number	Description	Quantity
图号	配件编号	配件名称	数量
3-05-1	0015.4840	Cap,End 气阀端盖	1
3-05-2	0015.2851	O-Ring 气阀端盖 O 型圈	4
3-05-3	0015.5291	Sleeve and Spool Set 气阀阀芯阀套	1
3-05-4	0158.6851	O-Ring 分配阀阀套O 型圈	6
3-05-5	0015.4740	Body,Air Valve 气阀外壳	1
3-05-6	0015.4989	Retainer 定位卡扣	2

分配阀配件分解图：



Number	Part Number	Description	Quantity
5-06-1	0015.4340	Body, Pilot Valve 分配阀阀壳	1
5-06-2	0158.4589	Retaining Ring 分配阀卡簧	1
5-06-3	0012.4240	Sleeve 分配阀阀套	1
5-06-4	0158.6851	O-Ring 分配阀阀套 O 型圈	6
5-06-5	0012.4400	Spool 分配阀阀芯组件	1