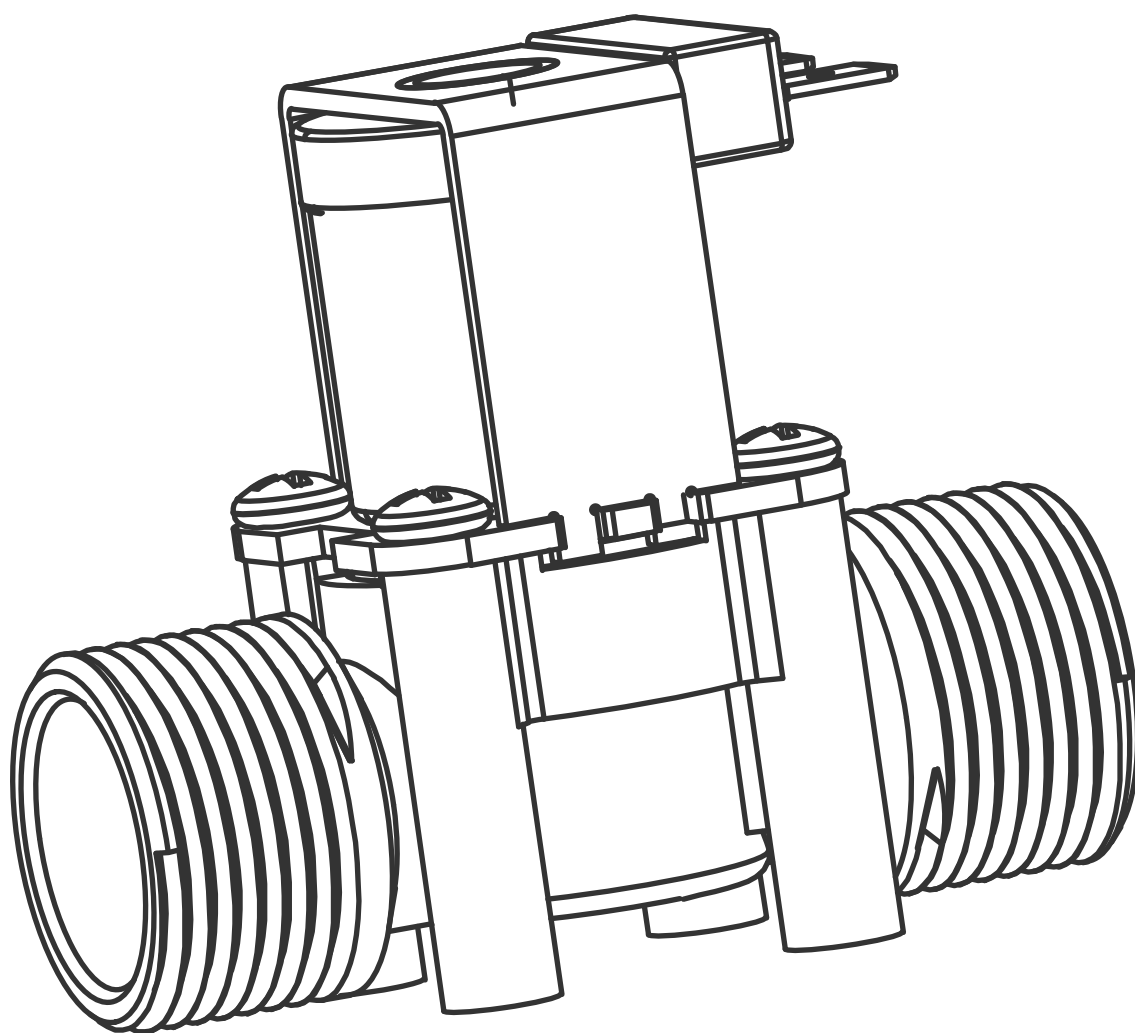


MRX SERIES SOLENOID VALVES

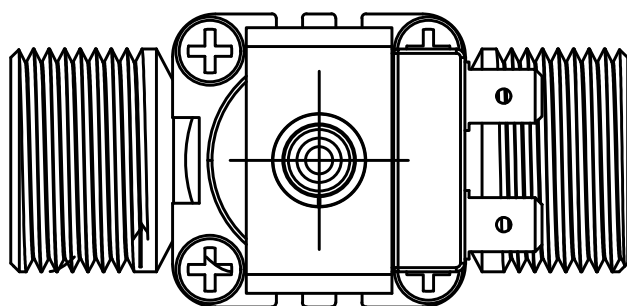
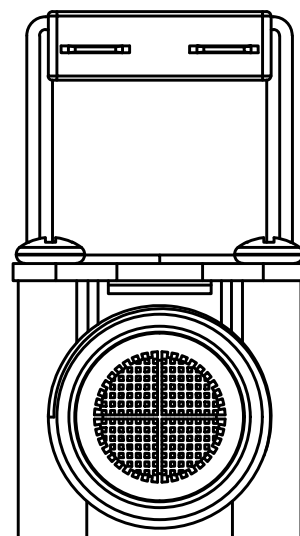
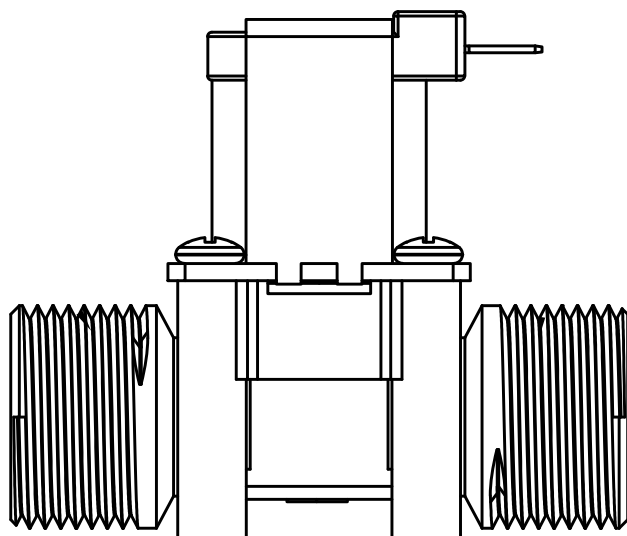
MRX-FPD-0A08



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MRX-FPD-0A08

Customer	M Robotics SA
Part No	MRX-FPD-0A08
Date	2020.01.15

<input checked="" type="checkbox"/> 新 New Product Approved		<input type="checkbox"/> 规格 更 Description Change Approve		<input type="checkbox"/> Material Change Approve	
设 计 Designed	张浩 2020.01.15	Checked	审 核	Approved	批 准

客户确 栏 批 准
Approved

采 购 Purchase Dept.	QC Dept.	程 Engineering Dept.	批 准 Approve
JAC	✓	✓	✓

结 论 Conclusion	<input type="checkbox"/> 合 格 Qualified	<input type="checkbox"/> 重新送样 Sample Test Again	<input type="checkbox"/> 不合格 Unqualified
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MRX	SPECIFICATION	Product name	A08	Edition	A
		Model	MRX-FPD-0A08	Page	1/4
Basic parameter					
Model		MRX-FPD-0A08			
Action way/Type		Pilot/NC			
Working pressure		0.02Mpa-0.8Mpa			
Input Port Size		3/4" Thread			
Output Port Size		3/4" Thread			
Medium		Water			
Valve Body Material		Plastic			
Work Temp Rating		0-80 Deg Cel			
Long Term Storage		Room Temp			
Electrical Rating		12V 0.3A			
Voltage Range		-10%~+10%			
Insulation resistance		≥100MΩ			
Withstand voltage		1500V/min			
Non-return function		N			
Filter Screen		Y			
Terminal		6.3mm Tag			
Life Expectancy		> 100K Cycles			
Guarentee Period		12months			

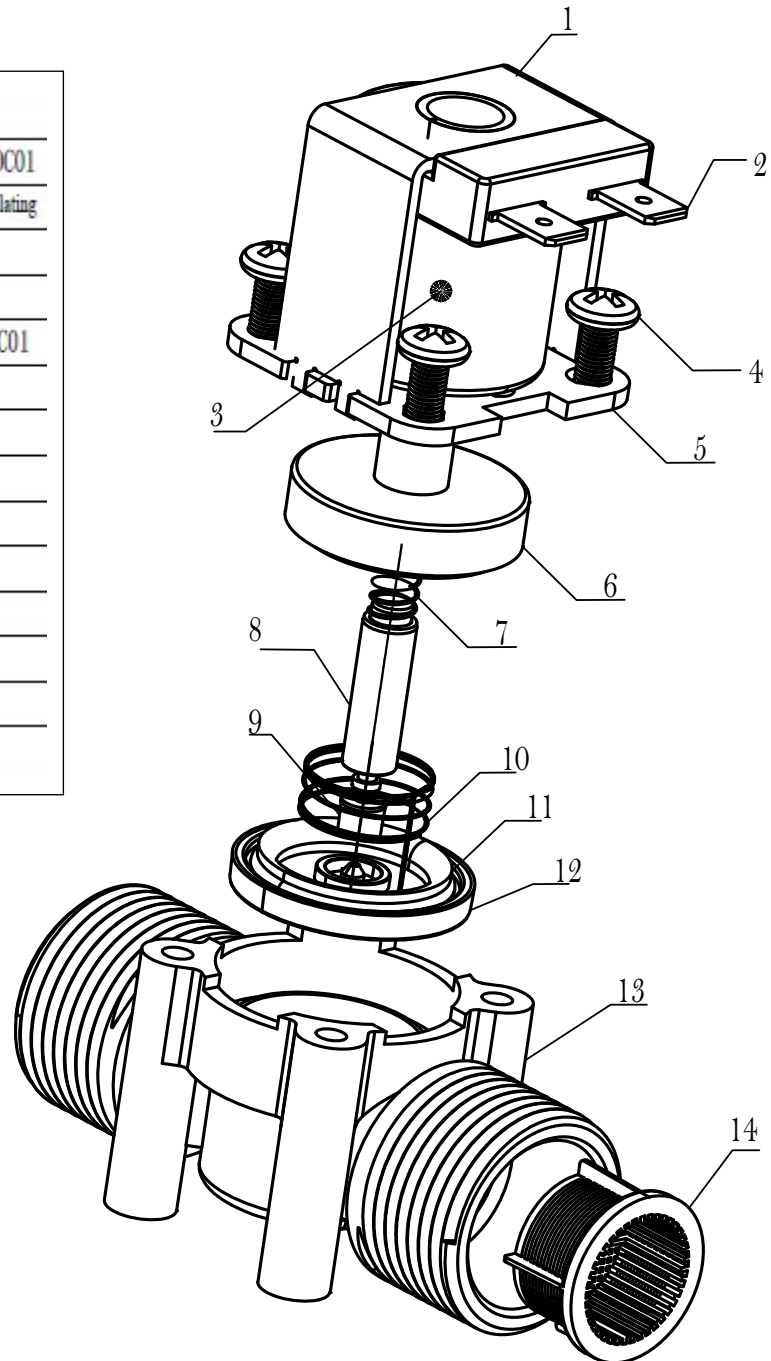
MRX	SPECIFICATION	Product name	A08		Edition	A																																	
		Model	MRX-FPD-0A08		Page	2/4																																	
2 Technical requirements																																							
	Item	Technical Requirements																																					
2.1	Appearance	Metal should be smooth and clean, coating color should be bright, and should not have obvious blistering; plastic parts without cracks, shrinkage; There should be water flow direction sign on valve body.																																					
2.2	线圈 Coil	<table><tr><td colspan="3">表检测的 阻值（20℃时值） Resistance value detected by multimeter (20℃ value)</td></tr><tr><td>线圈Coil</td><td>阻 Resistance</td><td colspan="3">颜色 Color</td></tr><tr><td>DC6V</td><td>9Ω±10%</td><td colspan="3">蓝色 Blue</td></tr><tr><td>DC9V</td><td>20Ω±10%</td><td colspan="3">绿色 Green</td></tr><tr><td>DC12V</td><td>40Ω±10%</td><td colspan="3">黑色 Black</td></tr><tr><td>DC24V</td><td>126Ω±10%</td><td colspan="3">白色 White</td></tr><tr><td>AC220V</td><td>4500Ω±10%</td><td colspan="3">灰色 Grey</td></tr></table>					表检测的 阻值（20℃时值） Resistance value detected by multimeter (20℃ value)			线圈Coil	阻 Resistance	颜色 Color			DC6V	9Ω±10%	蓝色 Blue			DC9V	20Ω±10%	绿色 Green			DC12V	40Ω±10%	黑色 Black			DC24V	126Ω±10%	白色 White			AC220V	4500Ω±10%	灰色 Grey		
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2.3	Startup performance	。 The water pressure is from 0.02 MPA to 0.8 MPA, and should be started in the rated voltage range.																																					
2.4	流量特性 Flow characteristic	<table><tr><td></td><td>0.02Mpa</td><td>0.1Mpa</td><td>0.3Mpa</td><td>0.8Mpa</td></tr><tr><td>Pressure</td><td></td><td></td><td></td><td></td></tr><tr><td>流量 (L/min) Flux (L/min)</td><td>3</td><td>8</td><td>13</td><td>25</td></tr></table>						0.02Mpa	0.1Mpa	0.3Mpa	0.8Mpa	Pressure					流量 (L/min) Flux (L/min)	3	8	13	25																		
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Pressure																																							
流量 (L/min) Flux (L/min)	3	8	13	25																																			
2.5	密封性 Watertigh performance	<table><tr><td>静 （Mpa） Hydrostatic Pressure(Mpa)</td><td>≤0.02</td><td colspan="3">0.03-0.8</td></tr><tr><td>泄漏量 （ml/min） Leakage ratio (ml/min)</td><td><0.1</td><td colspan="3">0</td></tr></table>					静 （Mpa） Hydrostatic Pressure(Mpa)	≤0.02	0.03-0.8			泄漏量 （ml/min） Leakage ratio (ml/min)	<0.1	0																									
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	SPECIFICATION	Product name	A08	Edition	A
		Model	MRX-FPD-0A08	Page	3/4
	项 目 Item	技术要求 Technical Requirements			
2.6	Reliability	0.02-0.8Mpa, make and break for 10s respectively, lasting 1h,the check valve should be unblocked;			
2.7	Withstand voltage	The acceptable high-voltage power between electric conduction and outer without electrified metal withstand AC1500V 50HZ for 1min,no flashover or breakdown; withstand AC1800V, 50HZ for 1s,no flashover or breakdown;			
2.8	Insulation resistance	DC500V / 1min / $\geq 100M\Omega$ Tested by DC500V megohmmete for 1 min, the insulation resistance should $\geq 100M\Omega$;			
2.9	Continuously energized	Energize for 12h, but not connect through the water, the valve should be no deformation, and the coil should not be burned;			
2.10	Durability	Hydrostatic pressure is from 0.02 MPA to 0.8 MPA, and in the rated voltage was continuously opened for 5s and closed for 5s. After 20,000 actions, there was no abnormality.			
2.11	Temperature rise	The maximum temperature rise shall be less than 85K at ambient temperature (10 °C ~ 30 °c) and rated voltage			

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序号	名称	数量	材质
1	上支架	1	δ 1.5冷轧薄钢板DC01
2	铜脚	2	Copper with copper tin plating
3	封塑线圈	1	PP
4	固定螺丝	4	SUS304
5	下支架	1	δ 2冷轧薄钢板DC01
6	铁芯护套	1	POM
7	弹簧	1	SUS304
8	铁芯	1	430F
9	铁芯硅胶头	1	SR (101G)
10	扭簧	1	SUS304
11	阀体密封座	1	POM
12	阀体密封圈	1	EPDM
13	A08阀体	1	POM
14	6分过滤网	1	POM

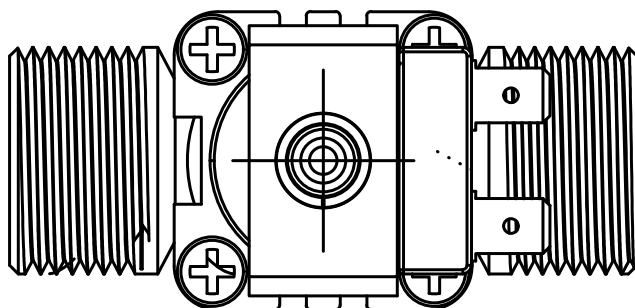
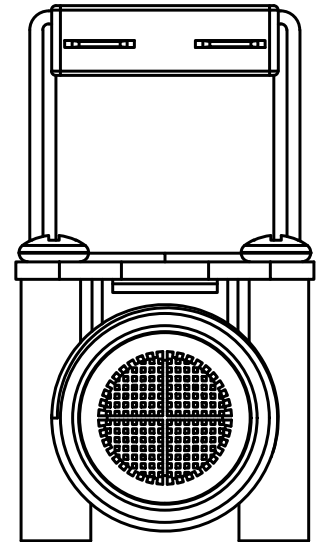
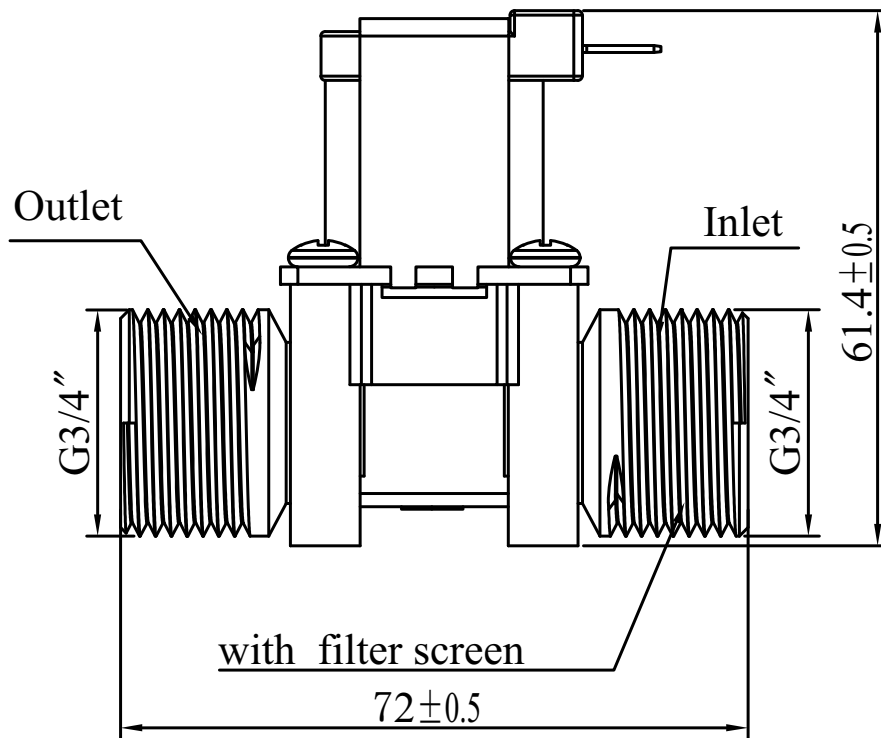


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Dimensions



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