



## Replacement Check Valves

**Self-priming** With the ASI valve, priming is easy. Open the pump outlet and turn on the pump. Your pump will prime itself, even if the head and intake lines are completely dry. You won't need to use a syringe or draw-off valve to prime your pump.

**Rugged Construction** The valve will not crush, crack, or leak due to high pressure. We designed the ASI cartridge so that loads are transmitted through the valve casing rather than the seat, as in conventional designs.

**Convenient and Economical Cartridge Design** When it's time for routine maintenance, you only need to replace the cartridge, not the entire assembly. The ASI cartridge costs no more than most conventional valve rebuild kits, and you won't spend time chasing balls all over the lab bench.

**Pre-tested** Every ASI valve is tested prior to shipping to ensure it passes a stringent set of performance specifications.

**Please ask for more information about ASI check valves.**

## Replacement Piston Seals and Pistons

ASI pump seals and pistons have been developed to reduce pump downtime. Our UHMW-PE piston seal material is compounded with other proprietary polymers to provide lower friction and better solvent resistance than pure UHMW-PE. It generally provides much longer service life than Teflon and generates less wear material, and we recommend it for most applications. Our Teflon piston seal has a proprietary additive to increase resistance to cold flow, and improve wear characteristics. Teflon is inert to any HPLC mobile phase.

**Please ask for a detailed guide to selecting the best material.**

## ASI Self-priming Check Valves

### Varian 2010, 2510

Description	OEM Part Number	ASI Part Number
Inlet Check valve (Cartridge and housing)	<b>03-997261-09</b>	<b>250-1580*</b>
Inlet cartridge		<b>250-1560*</b>
Inlet housing		<b>250-1570</b>
Outlet check valve (cartridge & housing)	<b>03-997261-10</b>	<b>250-1585*</b>
Outlet cartridge		<b>250-1565*</b>
Outlet Housing		<b>250-1575</b>

### Varian 5000, 5020, 5060, 5500, 5560

Description	OEM Part Number	ASI Part Number
Outlet check valve (cartridge & housing)	<b>03-919465-90</b>	<b>250-1555*</b>
Outlet cartridge		<b>250-1535*</b>
Outlet Housing		<b>250-1545</b>
Replacement filter pack of 5 pces		<b>250-1220</b>

### Varian 9010, 9012, 9020, 220, 230, 240

Description	OEM Part Number	ASI Part Number
Outlet check valve (cartridge & housing)	<b>03-905201-00</b>	<b>250-1355*</b>
Outlet cartridge		<b>250-1345*</b>
Outlet Housing		<b>250-1350</b>
Replacement filter pack of 5 pces		<b>250-1130</b>

### Rainin / Varian Prep Star SD-1

Description	OEM Part Number	ASI Part Number
Inlet /outlet cartridge 200,500, 800 ml Ti head	R007105685 / 86 / 87	250-1980

\* If you wish to specify ceramic ball & seat, add a "C" to end of part number.

## Varian ProStar 210,218 / Rainin SD 200 SD 300

Description	OEM Part Number	ASI Part Number
Inlet Check valve 5, 10 ml/min (Cartridge and housing)	<b>Rainin : R0071011616</b>	<b>250-1610*</b>
Inlet Check valve 25 ml/min (Cartridge and housing)	<b>Rainin : R0071011616</b>	<b>250-1640*</b>
Inlet cartridge 5, 10 ml/min		<b>250-1590*</b>
Inlet cartridge 25 ml/min		<b>250-1620*</b>
Inlet housing, 5,10,25 ml/min		<b>250-1600</b>
Outlet check valve 5,10 ml/min (cartridge & housing)	<b>Rainin : R0071011617</b>	<b>250-1615*</b>
Outlet check valve 25 ml/min (cartridge & housing)	<b>Rainin : R0071011617</b>	<b>250-1645*</b>
Outlet cartridge 5,10 ml/min		<b>250-1595*</b>
Outlet cartridge 25 ml/min		<b>250-1625*</b>
Outlet Housing 5,10,25 ml/min		<b>250-1605</b>

## ASI Replacement Piston Seals

### Varian 2010, 2510

Description	OEM Part Number	ASI Part Number	Material
Piston Seal	03-9972261-37	200-1271	UHMW-PE
Piston Seal 10/Pack		200-1276	UHMW-PE

### Varian 5000, 5020, 5060, 5500, 5560

Description	OEM Part Number	ASI Part Number	Material
Piston seal w/ ( Back up Washer )	27-459633-00	200-1270	UHMW-PE
Piston seal w/ ( Back up Washer )pack of 10		200-1275	UHMW-PE

### Varian 9010, 9012, 9020, 220, 230, 240

Description	OEM Part Number	ASI Part Number	Material
Piston seal	03-919397-00	200-1278	UHMW-PE
Piston seal pack of 10		200-1279	UHMW-PE

## **ASI Replacement Pistons Seals**

### **Varian ProStar 210,218 / Rainin SD 200 SD 300**

Description	OEM Part Number	ASI Part Number	Material
Piston Seal 5 ml/min	Rainin : R007101634	200-1262	UHMW-PE
Piston Seal 5 ml/min 10/Pack		200-1263	UHMW-PE
Piston Seal 10 ml/min	Rainin : R007101637	200-1264	UHMW-PE
Piston Seal 10 ml/min 10/Pack		200-1265	UHMW-PE
Piston Seal 25ml/min	Rainin : R007101643	200-1266	UHMW-PE
Piston Seal 5ml/min 10/Pack		200-12667	UHMW-PE

## **ASI Replacement Pistons**

### **Varian 2010, 2510**

Description	OEM Part Number	ASI Part Number	Material
Piston	03-997261-08	260-1171	Sapphire Rod

### **Varian 5000, 5020, 5060, 5500, 5560**

Description	OEM Part Number	ASI Part Number	Material
Piston	3-905337-00	260-1170	Sapphire Rod

### **Varian 9010, 9012, 9020, 220, 230, 240**

Description	OEM Part Number	ASI Part Number	Material
Piston	3-919180-00	260-1175	Sapphire Rod

### **Varian ProStar 210,218 / Rainin SD 200 SD 300**

Description	OEM Part Number	ASI Part Number	Material
Piston for 5 ml/min	Rainin : R007101657	260-1176	Sapphire Rod
Piston for 10 ml/min	Rainin : R007101658	260-1177	Sapphire Rod