

AGILENT / HEWLETT PACKARD

Optimize has developed the new OPTI-MAX 600 bar Active Inlet replacement cartridge (AIV). The AIV is comparable in price to the 400 bar active inlet cartridge offered by Agilent.

The OPTI-MAX 600 bar AIV utilizes the proprietary OPTI-MAX technology with wetted materials of 316 SS, PEEK and zirconia (ceramic) for complete compatibility and reliability in both 400 bar and 600 bar applications. The OPTI-MAX Zirconia ball/seat sets are the best in the industry and are individually tested to perform at 3 bubbles or less in the industry-standard 90 psi nitrogen leak test. The OPTI-MAX AIV withstands well over 20,000 psi as an assembled cartridge. Ball travel is minimized allowing the cartridge to exhibit extremely low pulsation in both 600 bar and 400 bar applications. The rugged 316 stainless steel OPTI-MAX AIV cartridge body is easily inserted and tightened for the higher pressure application of 600 bar instruments. The cartridge is completely compatible with both 600 and 400 bar instruments.

By choosing the OPTI-MAX 600 bar AIV cartridge, laboratories with multiple Agilent 400 bar and 600 bar instruments need only purchase and inventory one OPTI-MAX AIV cartridge. Maintenance and repair become much simpler and less costly.

Please note: this cartridge is not compatible with valve body 0491-0131

OPTI-MAX® 600 BAR AIV CHECK VALVE CARTRIDGE FOR AGILENT SYSTEMS

Part #	OEM #
27-38-04713	G1312-60020, 5062-8562



Compatible Pumps

Agilent 1100 Quaternary Pump (G1311A)
 Agilent 1100 Binary Pump (G1312A)
 Agilent 1100 Capillary Pump (G1376A)
 Agilent 1200 Isocratic Pump (G1310A)
 Agilent 1200 Binary Pump (G1312C)
 Agilent 1260 Infinity Binary Pump (G1312B)
 Agilent 1260 Infinity Isocratic Pump (G1310B)
 Agilent 1260 Infinity Quaternary Pump (G1311B)
 Agilent 1260 Infinity Quaternary Pump VL (G1311C)

Key Features

- Wetted materials: 316 SS, PEEK and zirconia (ceramic)
- Compatible with both 400 bar and 600 bar applications
- Rated to 20,000+ psi
- OPTI-MAX Zirconia (ceramic) ball/seat set individually tested
- Reduces inventory
- Comparable in price to the standard 400 bar Agilent replacement cartridge

OPTI-MAX® CHECK VALVES

Agilent/HP 1050, 1100, 1200, 1220, 1260

		OEM #
27-56-01330	OPTI-MAX Outlet Housing & Cartridge	G1311-60012, G1312-60012
10-56-02004	OPTI-MAX Replacement Cartridges, 1/8" Ball, 2/Pk	
27-38-04713	OPTI-MAX 600 bar AIV Replacement Cartridge	G1312-60020, 5062-8562
27-46-05033	OPTI-MAX Passive Inlet Housing & Cartridge for Agilent 1220 and 1260 only	G1312-60066
10-46-02004	OPTI-MAX Replacement Cartridges, 1/16" Ball, 2/Pk	

OPTIONS: Stainless steel/ceramic OPTI-MAX Cartridges are listed above. For other options, please see page 50.

Agilent/HP 1090

		OEM #
27-38-00680	Inlet Housing & Cartridge	79835-25211
27-38-00682	Outlet Housing & Cartridge	79835-25211
27-38-00672	Replacement Cartridges, 2/Pk	79835-67101

SEALS, PISTONS & OTHER PARTS

Agilent/HP 1050, 1100

		OEM #
27-36-01570	OPTI-SEAL UHMW-PE* Piston Seal	0905-1420
27-36-01571	OPTI-SEAL UHMW-PE* Piston Seal, 10/Pk	
27-36-01572	ITB PTFE** Piston Seal	5063-6589
27-36-01573	ITB PTFE** Piston Seal, 10/Pk	
27-36-03073	PTFE*** Pump Seal, Green, Premium Grade	
27-36-03074	PTFE*** Pump Seal, Green, Premium Grade, 10/Pk	
27-36-02364	OPTI-SEAL UHMW-PE* Wash Seal	0905-1175
27-36-02365	OPTI-SEAL UHMW-PE* Wash Seal, 10/Pk	
27-36-02366	ITB PTFE** Wash Seal	0905-1175
27-36-02367	ITB PTFE** Wash Seal, 10/Pk	
27-36-02851	Gasket Wash Seal, 6/Pk	5062-2484
27-04-02852	PTFE Frits, 5/Pk	01018-22707
27-31-02853	2-in-1 Seal Cap (Replaces OEM Gold Seal - see next page for details)	5067-4728, 5062-2485
27-34-00658	Sapphire Piston	5063-6586

*UHMW-PE - Ultra High Molecular Weight Polyethylene

**ITB PTFE - Improved PTFE Blend

***Premium grade PTFE for maximum chemical compatibility and wear resistance



OPTI-MAX for Agilent



AIV Replacement Cartridge



Agilent Passive inlet



Agilent/HP 1090, Outlet Housing & Cartridge



27-36-01570



27-36-02364



27-36-02366



27-36-01572



27-34-00658

AGILENT / HEWLETT PACKARD



2-in-1 Seal Cap on Agilent

2-IN-1 SEAL CAP FOR 1050/1100/1200

The 2-in-1 Seal Cap replaces both the OEM outlet gold seal and outlet cap with a single component. Use it on purge valves, OEM outlet check valves or anywhere on 1050/1100/1200 systems where gold seals and outlet caps are required.

Agilent/HP 1050, 1100, 1200

27-31-02853 2-in-1 Seal Cap

OEM #

5062-2485,
5001-3707,
5067-4728

Autosampler
Replacement Parts

AUTOSAMPLER REPLACEMENT PARTS

Agilent/HP 1100, 1200

27-31-03212 Rotor Seal Assembly

OEM #

0100-1853

27-31-03329 Needle Seat Assembly

G1313-87101

Agilent/HP 1050

27-31-03603 Rotor Seal

OEM #

0101-0626

Agilent/HP 1090

27-31-03649 Rotor Seal, 3 Grooves, Polyimide

OEM #

7010-039

27-31-03670 Rotor Seal, 2 Grooves, Polyimide

0101-0623

Rotor Seal
27-31-03603

LAMPS

Agilent/HP

27-32-02844 Deuterium Lamp, 1050C,
1050DAD, 1090, 1040

OEM #

79883-60002

27-32-02845 DoubleLife Deuterium Lamp,
1100, 1200 DAD

5181-1530,
2140-0813

27-32-02846 DoubleLife Deuterium Lamp,
1100, 1200 VWD

G1314-60100

27-32-02715 Deuterium Lamp,
1100 VWD G1314A


G1314-60100

27-32-04038 Doublelife Deuterium Lamp, 1050

79883-60002

Agilent 1100 DAD
27-32-02845

OPTI-MAX® CHECK VALVES

**100A, 110A/B, 112/112M, 114/114M,
116, 118, 125, 126, 127, 128** 

		OEM #
22-66-00516	OPTI-MAX Inlet Housing & Cartridge	240720
22-66-00520	OPTI-MAX Outlet Housing & Cartridge	240721
10-66-02005	OPTI-MAX Replacement Cartridges, 3/16" Ball, 2/Pk	

OPTIONS: Stainless steel/ceramic OPTI-MAX Cartridges are listed above.
For other options, please see page 50.



OPTI-MAX for Beckman/Altex