

## 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 #                  |
|--------------------|------------------------|
| <b>27-38-04713</b> | 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

# AGILENT / HEWLETT PACKARD

## OPTI-MAX® CHECK VALVES

| Agilent/HP 1050, 1100, 1200, 1220, 1260 ↻ |   | OEM #                       |
|---|---|-----------------------------|
| <b>27-56-01330</b>                        | OPTI-MAX Outlet Housing & Cartridge                                       | G1311-60012,<br>G1312-60012 |
| <b>10-56-02004</b>                        | OPTI-MAX Replacement Cartridges, 1/8" Ball, 2/Pk                          |                             |
| <b>27-38-04713</b>                        | OPTI-MAX 600 bar AIV Replacement Cartridge                                | G1312-60020,<br>5062-8562   |
| <b>27-46-05033</b>                        | OPTI-MAX Passive Inlet Housing & Cartridge for Agilent 1220 and 1260 only | G1312-60066                 |
| <b>10-46-02004</b>                        | 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 #       |
|--------------------|------------------------------|-------------|
| <b>27-38-00680</b> | Inlet Housing & Cartridge    | 79835-25211 |
| <b>27-38-00682</b> | Outlet Housing & Cartridge   | 79835-25211 |
| <b>27-38-00672</b> | Replacement Cartridges, 2/Pk | 79835-67101 |

## SEALS, PISTONS & OTHER PARTS

| Agilent/HP 1050, 1100 |  | OEM #                   |
|-----------------------|--|-------------------------|
| <b>27-36-01570</b>    | OPTI-SEAL UHMW-PE* Piston Seal                                       | 0905-1420               |
| <b>27-36-01571</b>    | OPTI-SEAL UHMW-PE* Piston Seal, 10/Pk                                |                         |
| <b>27-36-01572</b>    | ITB PTFE** Piston Seal   | 5063-6589               |
| <b>27-36-01573</b>    | ITB PTFE** Piston Seal, 10/Pk  |                         |
| <b>27-36-03073</b>    | PTFE*** Pump Seal, Green, Premium Grade                              |                         |
| <b>27-36-03074</b>    | PTFE*** Pump Seal, Green, Premium Grade, 10/Pk                       |                         |
| <b>27-36-02364</b>    | OPTI-SEAL UHMW-PE* Wash Seal   | 0905-1175               |
| <b>27-36-02365</b>    | OPTI-SEAL UHMW-PE* Wash Seal, 10/Pk                                  |                         |
| <b>27-36-02366</b>    | ITB PTFE** Wash Seal   | 0905-1175               |
| <b>27-36-02367</b>    | ITB PTFE** Wash Seal, 10/Pk  |                         |
| <b>27-36-02851</b>    | Gasket Wash Seal, 6/Pk   | 5062-2484               |
| <b>27-04-02852</b>    | PTFE Frits, 5/Pk   | 01018-22707             |
| <b>27-31-02853</b>    | 2-in-1 Seal Cap (Replaces OEM Gold Seal - see next page for details) | 5067-4728,<br>5062-2485 |
| <b>27-34-00658</b>    | 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



2-in-1 Seal Cap on Agilent

## AGILENT / HEWLETT PACKARD

### 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

|                    |                 |   |
|--------------------|-----------------|---|
| <b>27-31-02853</b> | 2-in-1 Seal Cap | <b>OEM #</b><br>5062-2485,<br>5001-3707,<br>5067-4728 |
|--------------------|-----------------|---|

Autosampler  
Replacement Parts

### AUTOSAMPLER REPLACEMENT PARTS

#### Agilent/HP 1100, 1200

|                    |                     |                           |
|--------------------|---------------------|---------------------------|
| <b>27-31-03212</b> | Rotor Seal Assembly | <b>OEM #</b><br>0100-1853 |
|--------------------|---------------------|---------------------------|

|                    |                      |             |
|--------------------|----------------------|-------------|
| <b>27-31-03329</b> | Needle Seat Assembly | G1313-87101 |
|--------------------|----------------------|-------------|

#### Agilent/HP 1050

|                    |            |                           |
|--------------------|------------|---------------------------|
| <b>27-31-03603</b> | Rotor Seal | <b>OEM #</b><br>0101-0626 |
|--------------------|------------|---------------------------|

#### Agilent/HP 1090

|                    |                                  |                          |
|--------------------|----------------------------------|--------------------------|
| <b>27-31-03649</b> | Rotor Seal, 3 Grooves, Polyimide | <b>OEM #</b><br>7010-039 |
|--------------------|----------------------------------|--------------------------|

|                    |                                  |           |
|--------------------|----------------------------------|-----------|
| <b>27-31-03670</b> | Rotor Seal, 2 Grooves, Polyimide | 0101-0623 |
|--------------------|----------------------------------|-----------|

Rotor Seal  
27-31-03603

### LAMPS

#### Agilent/HP

|                    |  |                             |
|--------------------|--|-----------------------------|
| <b>27-32-02844</b> | Deuterium Lamp, 1050C, 1050DAD, 1090, 1040 | <b>OEM #</b><br>79883-60002 |
|--------------------|--|-----------------------------|

|                    |   |                         |
|--------------------|---|-------------------------|
| <b>27-32-02845</b> | DoubleLife Deuterium Lamp, 1100, 1200 DAD | 5181-1530,<br>2140-0813 |
|--------------------|---|-------------------------|

|                    |   |             |
|--------------------|---|-------------|
| <b>27-32-02846</b> | DoubleLife Deuterium Lamp, 1100, 1200 VWD | G1314-60100 |
|--------------------|---|-------------|

|                    |                                 |             |
|--------------------|---------------------------------|-------------|
| <b>27-32-02715</b> | Deuterium Lamp, 1100 VWD G1314A | G1314-60100 |
|--------------------|---------------------------------|-------------|

|                    |                                 |             |
|--------------------|---------------------------------|-------------|
| <b>27-32-04038</b> | Doublelife Deuterium Lamp, 1050 | 79883-60002 |
|--------------------|---------------------------------|-------------|

Agilent 1100 DAD  
27-32-02845