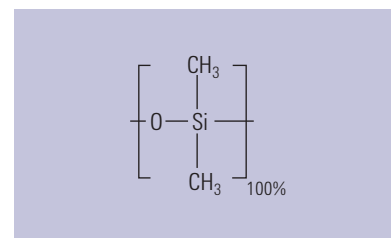


## HP-1

- 100% Dimethylpolysiloxane
- Non-polar
- Excellent general purpose column – "Industry Standard"
- Wide range of applications
- Superior performance for low molecular weight alcohols ( $< C_5$ )
- High temperature limit
- Bonded and cross-linked
- Solvent rinsable
- Wide range of column dimensions available
- Equivalent to USP Phase G2

**Similar Phases:** SPB-1, Rtx-1, BP-1, OV-1, OV-101, 007-1(MS), SP-2100, SE-30, ZB-1, AT-1, MDN-1, ZB-1



Structure of HP-1

## HP-1

| ID (mm)     | Length (m) | Film ( $\mu\text{m}$ ) | Temp Limits ( $^{\circ}\text{C}$ ) | 7 in Cage         | 5 in Cage          | 7890/6890 LTM Module |
|-------------|------------|------------------------|------------------------------------|-------------------|--------------------|----------------------|
| <i>0.18</i> | <i>20</i>  | <i>0.18</i>            | <i>-60 to 325/350</i>              | <i>19091Z-577</i> | <i>19091Z-577E</i> | <i>19091Z-577LTM</i> |
| 0.20        | 12         | 0.33                   | -60 to 325/350                     | 19091-60312       |                    |                      |
|             | 17         | 0.11                   | -60 to 325/350                     | 19091Z-008        |                    | 19091Z-008LTM        |
|             | 25         | 0.11                   | -60 to 325/350                     | 19091Z-002        |                    | 19091Z-002LTM        |
|             |            |                        | 0.33                               | -60 to 325/350    | 19091Z-102         | 19091Z-102E          |
|             |            | 0.50                   | -60 to 325/350                     | 19091Z-202        |                    | 19091Z-202LTM        |
|             | 50         | 0.11                   | -60 to 325/350                     | 19091Z-005        |                    |                      |
|             |            |                        | 0.33                               | -60 to 325/350    | 19091Z-105         |                      |
| 0.50        |            |                        | -60 to 325/350                     | 19091Z-205        |                    |                      |
| 0.25        | 15         | 0.10                   | -60 to 325/350                     | 19091Z-331        |                    | 19091Z-331LTM        |
|             |            | 0.25                   | -60 to 325/350                     | 19091Z-431        |                    | 19091Z-431LTM        |
|             |            | 1.00                   | -60 to 325/350                     | 19091Z-231        |                    | 19091Z-231LTM        |
|             | 30         | 0.10                   | -60 to 325/350                     | 19091Z-333        |                    | 19091Z-333LTM        |
|             |            |                        | 0.25                               | -60 to 325/350    | 19091Z-433         | 19091Z-433E          |
|             |            | 1.00                   | -60 to 325/350                     | 19091Z-233        | 19091Z-233E        | 19091Z-233LTM        |
|             | 60         | 0.25                   | -60 to 325/350                     | 19091Z-436        |                    |                      |
|             |            |                        | 1.00                               | -60 to 325/350    | 19091Z-236         | 19091Z-236E          |
|             | 100        | 0.50                   | -60 to 325/350                     | 19091Z-530        | 19091Z-530E        |                      |

Agilent J&W High Efficiency GC columns are displayed using italicized descriptions and part numbers

(Continued)

HP-1

| ID (mm) | Length (m) | Film (µm) | Temp Limits (°C) | 7 in Cage      | 5 in Cage     | 7890/6890 LTM Module |
|---------|------------|-----------|------------------|----------------|---------------|----------------------|
| 0.32    | 15         | 0.25      | -60 to 325/350   | 19091Z-411     | 19091Z-411E   | 19091Z-411LTM        |
|         |            | 1.00      | -60 to 325/350   | 19091Z-211     |               | 19091Z-211LTM        |
|         | 25         | 0.17      | -60 to 325/350   | 19091Z-012     | 19091Z-012E   | 19091Z-012LTM        |
|         |            | 0.52      | -60 to 325/350   | 19091Z-112     | 19091Z-112E   | 19091Z-112LTM        |
|         |            | 1.05      | -60 to 325/350   | 19091Z-212     |               | 19091Z-212LTM        |
|         | 30         | 0.10      | -60 to 325/350   | 19091Z-313     | 19091Z-313E   | 19091Z-313LTM        |
|         |            | 0.25      | -60 to 325/350   | 19091Z-413     | 19091Z-413E   | 19091Z-413LTM        |
|         |            | 1.00      | -60 to 325/350   | 19091Z-213     | 19091Z-213E   | 19091Z-213LTM        |
|         |            | 3.00      | -60 to 260/280   | 19091Z-513     | 19091Z-513E   | 19091Z-513LTM        |
|         |            | 4.00      | -60 to 260/280   | 19091Z-613     |               | 19091Z-613LTM        |
|         | 50         | 5.00      | -60 to 260/280   | 19091Z-713     | 19091Z-713E   | 19091Z-713LTM        |
|         |            | 0.17      | -60 to 325/350   | 19091Z-015     |               |                      |
|         |            |           | 0.52             | -60 to 325/350 | 19091Z-115    | 19091Z-115E          |
|         | 60         | 1.05      | -60 to 325/350   | 19091Z-215     |               |                      |
|         |            | 0.25      | -60 to 325/350   | 19091Z-416     |               |                      |
|         |            |           | 1.00             | -60 to 325/350 | 19091Z-216    | 19091Z-216E          |
| 0.53    | 5          | 5.00      | -60 to 260/280   | 19091Z-716     |               |                      |
|         |            | 0.15      | -60 to 320/400   | 19095Z-220     |               |                      |
|         |            | 0.88      | -60 to 320/400   | 19095Z-020     |               |                      |
|         | 7.5        | 2.65      | -60 to 325/350   | 125-100A       |               |                      |
|         |            | 5.00      | -60 to 260/280   | 19095S-100     | 19095S-100E   | 19095S-100LTM        |
|         | 10         | 5.00      | -60 to 260/280   | 19095Z-627     | 19095Z-627E   | 19095Z-627LTM        |
|         |            | 0.88      | -60 to 300/320   | 19095Z-021     | 19095Z-021E   | 19095Z-021LTM        |
|         | 15         | 2.65      | -60 to 260/280   | 19095Z-121     | 19095Z-121E   | 19095Z-121LTM        |
|         |            | 0.15      | -60 to 320/400   | 19095Z-221     | 19095Z-221E   |                      |
|         |            | 1.50      | -60 to 300/320   | 19095Z-321     |               | 19095Z-321LTM        |
|         |            | 3.00      | -60 to 260/280   | 19095Z-421     | 19095Z-421LTM | 19095Z-421LTM        |
|         |            | 5.00      | -60 to 260/280   | 19095Z-621     |               | 19095Z-621LTM        |
|         | 30         | 0.88      | -60 to 300/320   | 19095Z-023     | 19095Z-023E   | 19095Z-023LTM        |
|         |            | 1.50      | -60 to 300/320   | 19095Z-323     | 19095Z-323E   | 19095Z-323LTM        |
|         |            | 2.65      | -60 to 260/280   | 19095Z-123     | 19095Z-123E   | 19095Z-123LTM        |
|         |            | 3.00      | -60 to 260/280   | 19095Z-423     | 19095Z-423E   | 19095Z-423LTM        |
|         |            | 5.00      | -60 to 260/280   | 19095Z-623     | 19095Z-623E   | 19095Z-623LTM        |
|         | 60         | 5.00      | -60 to 260/280   | 19095Z-626     |               |                      |

