

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                         |  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------|--|
| <b>X</b>       | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p><b>SMITH® JAY R. SMITH MFG. CO.®</b><br/> <small>MEMBER OF MORRIS GROUP INTERNATIONAL<br/>         POST OFFICE BOX 3237<br/>         MONTGOMERY, ALABAMA 36109-0237 (USA)<br/>         TEL: 334-277-8520 FAX: 888-377-7818 www.jrsmith.com</small></p> </div> <div style="text-align: center;"> <p><b>ASPI</b><br/> <small>MEMBER OF:</small></p> </div> <div style="text-align: center;"> <p><b>PDI</b><br/> <small>MEMBER OF:</small></p> </div> <div style="text-align: center;"> <p><b>959</b><br/> <small>MEMBER OF:</small></p> </div> </div> |  |  |  | <b>LOCATION</b><br><br> |  |
|                | <b>QUARTERHORSE<br/>1/4 TURN NON FREEZE WALL HYDRANT WITH<br/>INTEGRAL VACUUM BREAKER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |                         |  |
|                | <b>EXPOSED HOSE CONNECTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |                         |  |
|                | <b>1/4 Turn of the Key Allows Full Flow to be Obtained</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                         |  |
| DRAWING NUMBER | S5609QT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |                         |  |
| SIZE           | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |                         |  |
| SCALE:         | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |                         |  |
| DATE:          | 1-2-90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                         |  |
| APPROVED BY:   | SJM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                         |  |
| CHECKED BY:    | SB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |                         |  |
| DRAWN BY:      | EMB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |                         |  |
| FIGURE NUMBER  | 5609QT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                         |  |

**FRONT VIEW**

**SIDE VIEW**

**FIG. 5609QT**

**Integral Vacuum Breaker Assembly**

**Key**

**3/4 (19) Hose Connection**

**Adjustable Wall Clamp (Specify-WC)**

**Female NPT Inlet 3/4 (19)**

**Male NPT Inlet**

**INSTALLER RESPONSIBILITY:** Installer is responsible for providing a 100% watertight positive seal at the hydrant to wall interface. Seal all the flange with an appropriate sealant recommended by a sealant manufacturer. **NOTE:** Jay R. Smith does not warrant the performance or life expectancy of the sealant material.

**REGULARLY FURNISHED:**

Bronze Nickel Plated Quarter Turn Non-Freeze Hydrant with 3/4"(19) Hose Connection, Backer Plate, Integral Vacuum Breaker with Vandal Resistant Cap and "T" Handle Key.

**VARIATIONS:**

- ☐ Adjustable Wall Clamp -WC
- ☐ 1" (25) Hose Connection -HC1
- ☒ 1" (25) Male NPT Inlet Connection -IC1
- ☐ Wheel Handle -WH

**OPTIONAL MATERIALS:**

- ☐ Chrome Plated -CP
- ☐ Chrome Plated Backer Plate -BPCP
- ☐ Polished Bronze -PB
- ☐ Polished Bronze Backer Plate -BPPB

● Add 3/4" (19) to Overall Length when Specified

**NOTES:**

- Recommended wall opening 2(51) x 2(51). Hydrant shall be in the vertical position only, the connection must be on the bottom.
- For non-freeze protection, a wall thickness which locates the inlet connection inside a heated or insulated space must be specified. Lengths are to be specified in 2"(51) increments as follows: 04(100), 06(150), 08(205), 10(255), 12(305), 14(355), 16(405), 18(455), 20(510), 22(560) or 24"(610). When wall clamp -WC is desired, increase wall thickness dimension by 2"(51).
- All Jay R. Smith hydrants are manufactured with "NO-LEAD" brazing rings, and USDA approved lubricants.
- The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
- Dimensions shown in parentheses are in millimeters.
- FOR IRRIGATION PURPOSES ONLY.**
- For the hydrant to drain properly and provide non-freeze protection when used with a hose, the **Hose must be removed** from the nozzle after each use.
- Temperature Range: 33.0°F to 140.0°F (0.6°C to 60.0°C).

**PATENTED**



**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov

| <b>J</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div style="display: inline-block; vertical-align: middle; text-align: left; margin-left: 10px;"> <b>JAY R. SMITH MFG. CO.</b><br/> <small>MEMBER OF MORRIS GROUP INTERNATIONAL<br/>         POST OFFICE BOX 3237<br/>         MONTGOMERY, ALABAMA 36109-0237 (USA)<br/>         TEL: 334-277-8520 FAX: 334-272-7396 www.jrsmith.com</small> </div> <div style="display: inline-block; vertical-align: middle; text-align: center; margin-left: 10px;"> <br/> <small>MEMBER OF:</small> </div> <div style="display: inline-block; vertical-align: middle; text-align: center; margin-left: 10px;"> <br/> <small>MEMBER OF:</small> </div> <div style="display: inline-block; vertical-align: middle; text-align: center; margin-left: 10px;"> <br/> <small>MEMBER OF:</small> </div> |                     |                         |     |                       | <b>LOCATION</b><br><br> |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HYDRANT PARTS LIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |                         |     |                       |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">             Installer is responsible for providing a 100% watertight positive seal at the hydrant to wall interface. Seal all the flange with an appropriate sealant recommended by a sealant manufacturer. NOTE: Jay R. Smith does not warrant the performance or life expectancy of the sealant material.           </div>                                                                                                                                                                                                                                                                                                                                                                               |                     |                         |     |                       |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                         |     |                       |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6" style="text-align: center; font-weight: normal;">HYDRANT PARTS LIST</th> </tr> <tr> <th style="width: 5%;">NO.</th> <th style="width: 45%;">DESCRIPTION</th> <th style="width: 5%;">NO.</th> <th style="width: 45%;">DESCRIPTION</th> <th style="width: 5%;">NO.</th> <th style="width: 45%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Head/Casing Assembly</td> <td>10</td> <td>Operator Rod</td> <td>13a</td> <td>Retaining Ring</td> </tr> <tr> <td>1a</td> <td>Head</td> <td>11</td> <td>Face Nut Washer</td> <td>13b</td> <td>Valve Body</td> </tr> <tr> <td>1b</td> <td>Casing</td> <td>12</td> <td>Vacuum Breaker Assembly</td> <td>13c</td> <td>Valve Actuator</td> </tr> <tr> <td>1c</td> <td>Valve Housing</td> <td>12a</td> <td>VB Cap</td> <td>13d</td> <td>Nylon Thrust Washer</td> </tr> <tr> <td>3</td> <td>Key</td> <td>12b</td> <td>VB Body</td> <td>13e</td> <td>Rotating Ceramic Disc</td> </tr> <tr> <td>7</td> <td>Face Nut</td> <td>12c</td> <td>VB Washer</td> <td>13f</td> <td>Fixed Ceramic Disc</td> </tr> <tr> <td>8</td> <td>Actuator Shaft</td> <td>12d</td> <td>VB "O" Ring</td> <td>13g</td> <td>Silicon Rubber Seal</td> </tr> <tr> <td>9</td> <td>Actuator "O" Ring</td> <td>12e</td> <td>VB Piston</td> <td>13h</td> <td>Retainer Guide (2)</td> </tr> <tr> <td></td> <td></td> <td>13</td> <td>Valve Body Assembly</td> <td>14</td> <td>Backer Plate w/Screws</td> </tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                         |     |                       |                         | HYDRANT PARTS LIST |         |            |     |    |        | NO.    | DESCRIPTION   | NO. | DESCRIPTION | NO.                 | DESCRIPTION | 1  | Head/Casing Assembly | 10         | Operator Rod | 13a | Retaining Ring | 1a         | Head | 11  | Face Nut Washer | 13b | Valve Body | 1b | Casing | 12          | Vacuum Breaker Assembly | 13c | Valve Actuator | 1c | Valve Housing | 12a | VB Cap | 13d | Nylon Thrust Washer | 3 | Key | 12b | VB Body | 13e | Rotating Ceramic Disc | 7 | Face Nut | 12c | VB Washer | 13f | Fixed Ceramic Disc | 8 | Actuator Shaft | 12d | VB "O" Ring | 13g | Silicon Rubber Seal | 9 | Actuator "O" Ring | 12e | VB Piston | 13h | Retainer Guide (2) |  |  | 13 | Valve Body Assembly | 14 | Backer Plate w/Screws |
| HYDRANT PARTS LIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                         |     |                       |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | NO.                 | DESCRIPTION             | NO. | DESCRIPTION           |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Head/Casing Assembly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10                  | Operator Rod            | 13a | Retaining Ring        |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 1a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Head                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 11                  | Face Nut Washer         | 13b | Valve Body            |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 1b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Casing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12                  | Vacuum Breaker Assembly | 13c | Valve Actuator        |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 1c                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Valve Housing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12a                 | VB Cap                  | 13d | Nylon Thrust Washer   |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12b                 | VB Body                 | 13e | Rotating Ceramic Disc |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Face Nut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 12c                 | VB Washer               | 13f | Fixed Ceramic Disc    |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Actuator Shaft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12d                 | VB "O" Ring             | 13g | Silicon Rubber Seal   |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Actuator "O" Ring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 12e                 | VB Piston               | 13h | Retainer Guide (2)    |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 13                  | Valve Body Assembly     | 14  | Backer Plate w/Screws |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Δ These Replacement Parts Available in HPRK-7</p> <p>ΔΔ These Replacement Parts Available in HPRK-7VB</p> <p>*These Parts Accessible from Face of Hydrant by Removing Face Nut.</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">J</td> <td style="width: 15%;">1-25-17</td> <td style="width: 30%;">Added Note</td> <td style="width: 10%;">TBW</td> <td style="width: 10%;">BW</td> <td style="width: 10%;">WEIGHT</td> <td style="width: 10%;">VOLUME</td> <td style="width: 15%;">FIGURE NUMBER</td> </tr> <tr> <td>H</td> <td>9-22-94</td> <td>Added HPRK-7VB Note</td> <td>EMB</td> <td>CL</td> <td>POUNDS</td> <td>CUBIC FEET</td> <td rowspan="2" style="font-size: 24px; font-weight: bold; text-align: center;">5609QT</td> </tr> <tr> <td>G</td> <td>9-21-93</td> <td>Chg'd note</td> <td>EMB</td> <td>JCS</td> <td></td> <td></td> </tr> <tr> <td colspan="2">REV.</td> <td>DATE</td> <td colspan="2">DESCRIPTION</td> <td>BY</td> <td>CKD. BY</td> <td></td> </tr> </table> </div> </div>                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                         |     |                       |                         | J                  | 1-25-17 | Added Note | TBW | BW | WEIGHT | VOLUME | FIGURE NUMBER | H   | 9-22-94     | Added HPRK-7VB Note | EMB         | CL | POUNDS               | CUBIC FEET | 5609QT       | G   | 9-21-93        | Chg'd note | EMB  | JCS |                 |     | REV.       |    | DATE   | DESCRIPTION |                         | BY  | CKD. BY        |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1-25-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Added Note          | TBW                     | BW  | WEIGHT                | VOLUME                  | FIGURE NUMBER      |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9-22-94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Added HPRK-7VB Note | EMB                     | CL  | POUNDS                | CUBIC FEET              | 5609QT             |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 9-21-93                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Chg'd note          | EMB                     | JCS |                       |                         |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |
| REV.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | DATE                | DESCRIPTION             |     | BY                    | CKD. BY                 |                    |         |            |     |    |        |        |               |     |             |                     |             |    |                      |            |              |     |                |            |      |     |                 |     |            |    |        |             |                         |     |                |    |               |     |        |     |                     |   |     |     |         |     |                       |   |          |     |           |     |                    |   |                |     |             |     |                     |   |                   |     |           |     |                    |  |  |    |                     |    |                       |