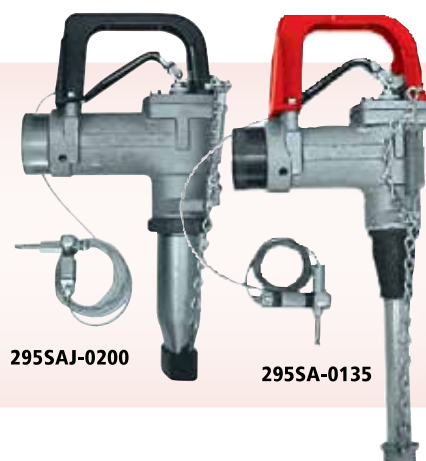


## Materials

**Body:** Cast aluminum  
**Main Stem:** Stainless steel  
**Stem Seal:** Buna-N O-Ring  
**Disc:** Viton®  
**Spout:** Aluminum



## Features

- ◆ Aluminum Body – lighter weight, easier to maneuver.
- ◆ Dual Poppets – easy-to-open nozzle against high inlet pressures.
- ◆ Color-Coded Composite Lever Guards – helps distinguish between AVGAS and Jet A. Easily replaced in lever guard kit.
- ◆ Right Angle Design – provides larger lever area for better grip and easier control.
- ◆ Vinyl-Coated Lever – insulates fingers against cold.
- ◆ 100 Mesh Strainer – prevents foreign matter from entering fuel tank; easy to remove and clean.
- ◆ Dust Cap – keeps spout free from dirt and stops fuel drippage when connected.
- ◆ Adjustable Dash Pot – permits adjusting the main poppet closure rate over a wide range of flows to overcome line shock with minimum afterflow.
- ◆ Easily replaced spout – the spout is easily threaded into the body. Replacement spouts are readily available from OPW.
- ◆ Built-In Swivel – eliminates twisting and kinking of the hose. This swivel is electroless nickel-plated and has full-bearing surfaces.
- ◆ NPT Female Threads at Inlet End of 295SA – accepts all 1", 1-1/4" or 1-1/2" male connections.
- ◆ NPT Female Threads At Inlet End Of 295SAJ – accepts all 1-1/2" male connections.
- ◆ Unique Jet Aircraft Spout Design of 295SAJ – to help prevent inadvertent fueling of piston engine aircraft with turbine fuel.
- ◆ Ground Wire Assembly – included on all aviation nozzles.

### Design working pressure

- ◆ 110 psi (7.58 bar) maximum pressure

### Level Guard Replacement Kits

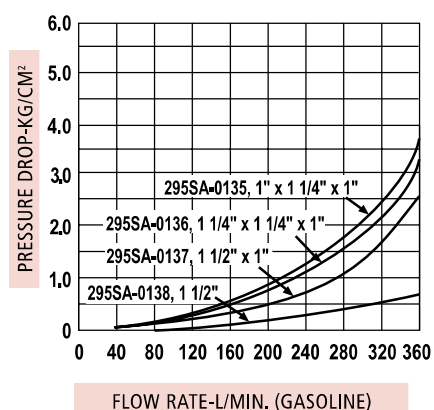
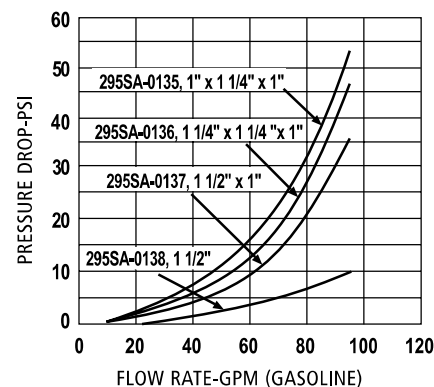
| Product #   | Nozzle                                        |
|-------------|-----------------------------------------------|
| 295KLG-0300 | 295SA-0135, 0136, 0137, 295SAC-0156, 0157 Red |
| 295KLG-0350 | 295SA-0138, 275SAC-0158 Red                   |
| 295KLG-0400 | 295SAJ-0200, 295SACJ-0200 Black               |

All lever guard kits include new lever sub-assembly.  
 295 Series Instruction Sheet Order Number: **H09237PA**

## Overwing Aircraft Nozzles

### 295SA – AVGAS

### 295SAJ – Jet Fuel



## Ordering Specifications

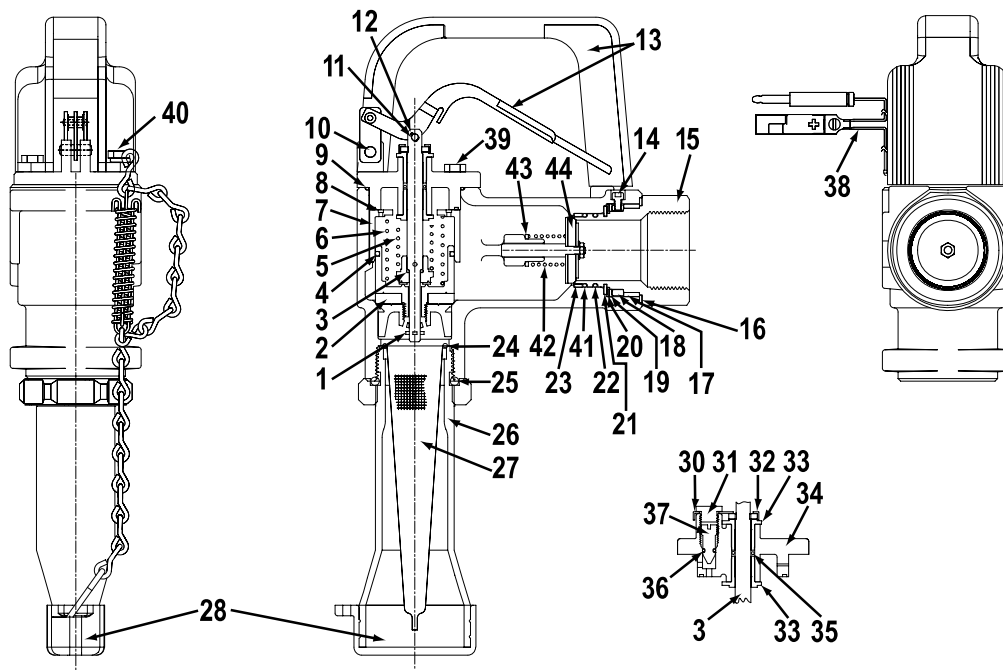
| Product #     | Inlet Thread |    |      | Spout O.D |       |    |
|---------------|--------------|----|------|-----------|-------|----|
|               | in.          | mm | lbs. | kg        | in.   | mm |
| 295SA-0135    | 1            | 25 | 4.60 | 2.10      | 1     | 25 |
| 295SA-0136    | 1 1/4        | 32 | 4.50 | 2.00      | 1     | 25 |
| 295SA-0137    | 1 1/2        | 38 | 4.50 | 2.00      | 1     | 25 |
| 295SA-0138    | 1 1/2        | 38 | 5.10 | 2.30      | 1 1/8 | 41 |
| 295SAJ-0200   | 1 1/2        | 38 | 5.60 | 2.50      | 2 2/3 | 54 |
| 295SAC-0156*  | 1 1/4        | 32 | 4.50 | 2.00      | 1     | 25 |
| 295SAC-0157*  | 1 1/2        | 38 | 4.50 | 2.00      | 1     | 25 |
| 295SAC-0158*  | 1 1/2        | 38 | 5.15 | 2.30      | 1 1/8 | 41 |
| 295SACJ-0200* | 1 1/2        | 38 | 5.65 | 2.60      | 2 2/3 | 54 |

\*Check Valve



**Wellington Head Office:** 90 Sydney St, PO Box 38 720  
 Petone, Wellington, Tel: 64 4 568 4933, Fax: 64 4 568 4789  
 Email: [sales@liquip.co.nz](mailto:sales@liquip.co.nz) Website: [www.liquip.co.nz](http://www.liquip.co.nz)

## Replacement Parts - OPW 295SA/295SAC & 295SAJ



| Key | Part #      | Description         | 295SA-0135 inlet/<br>spout 1" x 1" | 295SA-0136 &<br>295SAC-0156 inlet/<br>spout 1 1/4" x 1" | 295SA-0137 &<br>295SAC-0157 inlet/<br>spout 1 1/2" x 1" | 295SA-0138 &<br>295SAC-0158 inlet/<br>spout 1 1/2" x 1 1/2" | 295SAJ-0200 &<br>295SAJ-0200 inlet/<br>spout 1 1/2" x 1 1/2" |
|-----|-------------|---------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
| 1   | H02477M     | Cotter Pin          | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 2   | H07719      | Main Poppet S/A     | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 3   | H09420      | Stem & Sec. Poppet  |                                    |                                                         |                                                         | •                                                           | •                                                            |
| 3   | H09417      | Stem & Sec. Poppet  | •                                  | •                                                       | •                                                       |                                                             |                                                              |
| 4   | H12706M     | O-Ring              | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 5   | H09367M     | Spring              | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 6   | H05064M     | Spring              | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 7   | H05088M     | Skirt               | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 8   | H05198M     | Seal                | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 9   | H04828M     | Seal                | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 10  | H03981RE    | Pin                 | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 11  | 214880      | Cotter Pin          | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 12  | H07580M     | Rivet               | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 13  | 295KLG-0300 | Lever Guard Kit*    | •                                  | •                                                       | •                                                       |                                                             |                                                              |
| 13  | 295KLG-0350 | Lever Guard Kit*    |                                    |                                                         |                                                         | •                                                           |                                                              |
| 13  | 295KLG-0400 | Lever Guard Kit*    |                                    |                                                         |                                                         |                                                             | •                                                            |
| 14  | H13774M     | Screw (3 req'd)*    | •                                  | •                                                       | •                                                       | •                                                           | •                                                            |
| 15  | 295SWK-0007 | Swivel Repair Kit** | •                                  |                                                         |                                                         |                                                             |                                                              |
| 15  | 295SWK-0009 | Swivel Repair Kit** |                                    | •                                                       |                                                         |                                                             |                                                              |
| 15  | 295SWK-0014 | Swivel Repair Kit** |                                    |                                                         |                                                         | •                                                           | •                                                            |
| 15  | 295SWK-0013 | Swivel Repair Kit** |                                    |                                                         | •                                                       |                                                             |                                                              |
| 16  | H08886M     | Dust Seal           |                                    |                                                         |                                                         | •                                                           | •                                                            |
| 16  | H01227M     | Dust Seal           | •                                  | •                                                       | •                                                       |                                                             |                                                              |
| 17  | H08887M     | Bearing             |                                    |                                                         |                                                         | •                                                           | •                                                            |
| 17  | H08879M     | Bearing             | •                                  | •                                                       | •                                                       |                                                             |                                                              |
| 18  | H09713RS    | Retainer            |                                    |                                                         |                                                         | •                                                           | •                                                            |
| 18  | H09712RS    | Retainer            | •                                  | •                                                       | •                                                       |                                                             |                                                              |

\* Replacement part for nozzles built after 08/1998. Part is unavailable for nozzles built before this date.

\*\* Includes 295SRK-0001 or 295SRK-0002 and contact ring.

## Replacement Parts-OPW 295SA/SAC & SAJ Aircraft Nozzles

| Key | Part #     | Description      | 295SA-0135 inlet/<br>spout 1" x 1" | 295SA-0136 & 295SAC-<br>0156 inlet/spout 1 1/4"<br>x 1" | 295SA-0137 & 295SAC-<br>0157 inlet/spout 1 1/2"<br>x 1" | 295SA-0138 & 295SAC-<br>0158 inlet/spout 1 1/2"<br>x 1 1/2" | 295SAJ-0200 &<br>295SACJ-0200 inlet/<br>spout 1 1/2" x 1 1/2" |
|-----|------------|------------------|------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|
| 19  | H08881M    | Thrust Bearing   | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 19  | H08889M    | Thrust Bearing   |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 20  | H08882M    | Lock Ring        | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 20  | H08890M    | Lock Ring        |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 21  | H09365M    | Retaining Ring   | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 21  | H09366M    | Retaining Ring   |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 22  | H12319M    | O-Ring, Buna-N   | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 22  | H12320M    | O-Ring, Buna-N   |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 23  | H08884M    | Bearing          | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 23  | H08892M    | Bearing          |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 24  | H06026M    | O-Ring           | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 24  | H07670M    | O-Ring           |                                    |                                                         |                                                         | •                                                           |                                                               |
| 24  | H11499M    | O-Ring           |                                    |                                                         |                                                         |                                                             | •                                                             |
| 25  | H05297M    | O-Ring           | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 25  | H07766M    | O-Ring           |                                    |                                                         |                                                         | •                                                           |                                                               |
| 25  | H10458M    | O-Ring           |                                    |                                                         |                                                         |                                                             | •                                                             |
| 26  | 297SA-9050 | Spout S/A        | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 26  | 297SA-9060 | Spout S/A        |                                    |                                                         |                                                         | •                                                           |                                                               |
| 26  | 696J-7010  | Spout S/A        |                                    |                                                         |                                                         |                                                             | •                                                             |
| 27  | 190S-7063  | Strainer         | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 27  | 153-0910   | Strainer         |                                    |                                                         |                                                         | •                                                           |                                                               |
| 27  | 153J-0100  | Strainer         |                                    |                                                         |                                                         |                                                             | •                                                             |
| 28  | H10387     | Cap & Chain S/A  | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 28  | H10388     | Cap & Chain S/A  |                                    |                                                         |                                                         | •                                                           |                                                               |
| 28  | 296CJ-0100 | Cap & Chain S/A  |                                    |                                                         |                                                         |                                                             | •                                                             |
| 29  | H09212     | Body Cap S/A**   | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 29  | H09213     | Body Cap S/A**   |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 30  | H05135M    | Retainer         | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 31  | H08441RS   | Screw            | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 32  | H05087M    | Felt Wiper       | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 33  | H05063M    | Bushing          | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 34  | C02115A    | Cap              | •                                  | •                                                       | •                                                       |                                                             |                                                               |
| 34  | C02117A    | Cap              |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 35  | H12707M    | O-Ring           | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 36  | H12705M    | O-Ring           | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 37  | H04825M    | Adj. Screw       | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 38  | 190WM-8001 | Ground Wire S/A  | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 39  | H07062M    | Screw (4 req'd)  | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 40  | H06045M    | Screws (2 req'd) | •                                  | •                                                       | •                                                       | •                                                           | •                                                             |
| 41  | H13776M    | O-Ring, Viton®   |                                    |                                                         |                                                         | •                                                           | •                                                             |
| 41  | H13775M    | O-Ring, Viton®   | •                                  | •                                                       | •                                                       |                                                             |                                                               |

\*\* Body Cap sub-assembly includes parts 30-37.

## Replacement Parts - OPW 295SAC & 295SACJ Only

| Key | Part #  | Description   | 295SAC-0156 | 295SAC-0157 | 295SAC-0158 | 295SACJ-0200 |
|-----|---------|---------------|-------------|-------------|-------------|--------------|
| 42  | H07595M | Spring SST    | •           | •           |             |              |
| 42  | H07593M | Spring SST    |             |             | •           | •            |
| 43  | H07613M | Washer, nylon | •           | •           | •           | •            |
| 44  | H09214  | Poppet S/A    | •           | •           |             |              |
| 44  | H09215  | Poppet S/A    |             |             | •           | •            |