Filling Nozzles
Pressure Gravity Nozzle
Fill-To-Level

Typical Sizes
1/4” – 1.5”

Optional Inlet & Outlet Port Sizes
3/8” - 1.0”

Standard Features
- Viton O-rings
- 2” Sealing Washers
- Full Set of Graduated Spacers
- Dual Liquid Port
- 316L Stainless Steel Contact Parts

Options:
- Centering Devices
- Micro-Adjusters
- High Venting for Viscous Products
- Anti-foam Tube Port, 4 Hole, Single Hole
- Adaptable Mounting Heads For Other Manufacturers Machines
- Sanitary Inlet & Outlet Fittings
- Clean In Place Design

Optional Building Materials:
- PVC
- Polypropylene
- Hastelloy
- Titanium

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Nozzle Specification Drawing

Dimensions

A - Attachment Thread Size: ________________
B - Liquid Tube Diameter: ________________
C - Overflow Tube Diameter: ________________
D - Cup Diameter: ________________
E - Overall Length: ________________
F - Spacer & Washer Diameter: ________________
G - Sleeve Length: ________________
H - Sleeve Diameter: ________________

O-Ring Types

- Viton
- Buna
- EPDM
- Kalrez

Sealing Washer Types

- Gum Rubber
- Neoprene Rubber
- Viton Rubber
- EPDM Rubber
- Silicone Rubber

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**Pressure Gravity Bottom Up Nozzle Fill**

**Typical Sizes**

1/4” – 1.25”

**Optional Inlet & Outlet Port Sizes**

3/8” - 1.0”

**Standard Features**

- Viton O-rings
- 2” Sealing Washers
- Full Set of Graduated Spacers
- Dual Liquid Port
- Stainless Steel 316L Contact Material
- 3/4” Inlet and Outlet Ports

**Options:**

- Centering Devices
- Micro-Adjusters
- High Venting for Viscous Products
- Anti-Foam Tube Port for Foaming Products
- Adaptable Mounting Heads For Other Manufacturers Machines
- Sanitary Inlet & Outlet Fittings

**Optional Building Materials:**

- PVC
- Hastelloy
- Titanium

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Nozzle Specification

Dimensions

A - Attachment Thread Size: ________________
B - Liquid Tube Diameter: ________________
C - Overflow Tube Diameter: ________________
D - Cup Diameter: ________________
E - Overall Length: ________________
F - Spacer & Washer Diameter: ________________
G - Sleeve Length: ________________
H - Sleeve Diameter: ________________

O-Ring Types

- Viton
- Buna
- EPDM
- Kalrez

Sealing Washer Types

- Gum Rubber
- Neoprene Rubber
- Viton Rubber
- EPDM Rubber
- Silicone Rubber
**Pressure Gravity Nozzle**

**Fill-To-Level With Vacuum**

Stainless Steel

**Typical Sizes**

1/4” – 1.5”

**Optional Inlet & Outlet Port Sizes**

3/8” - 1.0”

**Standard Features**

- Viton O-rings
- 2” Sealing Washers
- Full Set of Graduated Spacers
- Dual Liquid Port
- Stainless Steel 316L Contact Material
- 3/4” Inlet and Outlet Ports
- 3/8” Thru 3/16” Vacuum Port
- Vacuum Suck Back for Dripping

**Options:**

- Centering Devices
- Micro-Adjusters
- High Venting for Viscous Products
- Anti-foam Tube Port for Foaming Products
- Adaptable Mounting Heads For Other Manufacturers Machines
- Vacuum Suck Back for Dripping
- Sanitary Inlet & Outlet Fittings

**Optional Building Materials:**

- PVC
- Hastelloy
- Titanium

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Nozzle Specification Drawing

Dimensions

A - Attachment Thread Size: ________________
B - Liquid Tube Diameter: ________________
C - Overflow Tube Diameter: ________________
D - Cup Diameter: ________________
E - Overall Length: ________________
F - Spacer & Washer Diameter: ________________
G - Sleeve Length: ________________
H - Sleeve Diameter: ________________
I - Vacuum Tube Diameter: ________________

O-Ring Types

- Viton
- Buna
- EPDM
- Kalrez

Sealing Washer Types

- Gum Rubber
- Neoprene Rubber
- Viton Rubber
- EPDM Rubber
- Silicone Rubber
Vacuum Style Nozzles

Standard Features:
- Stainless Steel 316L Construction
- Viton O’ring Seals
- Product and Vacuum Ports

Options:
- Centering Devices
- Micro-Adjusters
- Adaptable Mounting Heads to Fit Other Mounting Styles
- Sanitary Inlet & Outlet Fittings
Nozzle Specification

Dimensions

A = Attachment Thread Size
B = Vacuum Tube Diameter
C = Supply Tube Diameter
D = Body Diameter
E = Overall Length
F = Sleeve Diameter
G = Spacer & Washer Diameter

O-Ring Types
- Viton
- Buna
- EPDM
- Kalrez

Sealing Washer Types
- Gum Rubber
- Neoprene Rubber
- Viton Rubber
- EPDM Rubber
- Silicone Rubber
Pressure Gravity Positive Closure Nozzle

PVC & Hastelloy

Typical Sizes
1/4” – 1.5”

Optional Inlet Sizes
3/8” - 1.5”

Standard Features
- Viton O-rings
- Optional Mounting Styles
- 316L Stainless Steel Contact Parts
- Positive Air Cylinder Shut Off
- Extending & Retractable Center

Optional Building Materials:
- PVC
- Hastelloy
- Titanium
- Polypro

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Nozzle Specification

A = Body Diameter
B = Liquid Tube Diameter
C = Sleeve Length
D = Sleeve Diameter
E = Overall Length

O-Ring Types
- Viton
- Buna
- EPDM
- Kalrez

Sealing Washer Types
- Gum Rubber
- Neoprene Rubber
- Viton Rubber
- EPDM Rubber
- Silicone Rubber

Dimensions

A - Body Diameter: ________________
B - Liquid Tube Diameter: ________________
C - Sleeve Length: ________________
D - Sleeve Diameter: ________________
E - Overall Length: ________________
Custom & Prototype Nozzles

Engineering Staff Ready To Meet Your Specifications

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Custom & Prototype Nozzles Continued...
Nozzles Accessories

Container Handling

Centering Devices

Micro Adjusters

Change Parts
# Data Order & Quote Page

<table>
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<tr>
<th>Bottle Type:</th>
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<tr>
<td>Bottle Opening Diameter:</td>
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<td>Product:</td>
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<td>Product Particle Size:</td>
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<td>Viscosity:</td>
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<td>Inlet Tubing Size:</td>
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<tr>
<td>Outlet Tubing Size:</td>
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**Type of Filling: (Check One)**

- Pressure Overflow: 
- Gravity:
- Bottom Up Pressure Overflow:
- Positive Closure:

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<thead>
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<th>O-Ring Material Type:</th>
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<td>Sealing Washer Size and Material:</td>
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<tr>
<td>Quantity Of Nozzles Required:</td>
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<tr>
<td>Size of Nozzle:</td>
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<td>Can Product and Bottle Sample be Supplied:</td>
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<tr>
<td>Quantity Required:</td>
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Fill out the above form and mail, fax or e-mail your request to us for a formal quote.