Multifunction dispenser foot valve

The safety foot valve is fitted underneath the dispenser, above the dip tray

Five functions:
- non return valve,
- isolation lock valve,
- drain,
- upstream pipe test,
- downstream pipe test

Technical characteristics

- Foot valve height : 33 mm
- DN40
- Anodized aluminium
- Viton® gaskets
- Foot valve supplied with 2 gaskets and screws
- May be supplied fitted with flanges and screws
- The non return valve avoids product return in tanks
- Function by-pass valve to drain the dispenser pump
- Valve blocked in closed position by 2 wheels to:
  - Test suction pipe upstream
  - and/or isolate the group from the indicator
- Measure of depression created by the dispenser pump

Advantages

- Minimum space at foot dispenser with 5 functions
- High flow rate
- Lowest pressure losses
- Self cleaning conical sealing preventing particles presence prejudicial to its correct operation
- Issued from a design used for retaining flange for more than 30 years
- For use with oval or triangular flanges
- Triangular flanges have 3 equidistant tightening points ensuring the best convenience and reliability in terms of tightness
- Easy installation

References

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
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<tbody>
<tr>
<td>13600000</td>
<td>Equipped foot valve, 2 Viton® gaskets and screws set</td>
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<tr>
<td>14292580</td>
<td>Equipped foot valve, 2 Viton® gaskets, 1 triangular flange and screws set</td>
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<tr>
<td>03830409</td>
<td>Triangular flange</td>
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<tr>
<td>03833410</td>
<td>Oval flange</td>
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<tr>
<td>13600090</td>
<td>Gasket alone</td>
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<tr>
<td>13600200</td>
<td>Control kit</td>
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Foot valve comparison

- Referent flow up to 250 liters/minute
- Valve located downstream of a pumping unit
- Measurements made simply by replacing valve for:
  - A single hydraulic network
  - One product
  - A single product temperature
  - Same ambient air temperature
  - Same atmospheric pressure

Test rig characteristics

- Wright Engineering: valve function only (no blocking nor pressure connection possible)

Pressure losses versus flow

- Pertes de charge en fonction du débit
- Pressure losses versus flow

Test rig characteristics

- Pertes de charges à 150 l/min. [bar]
- Pressure losses at 150 liter/minute [bar]

- Débit max. [l/min.]
- Maximal flow [liter/minute]