

## User Guide


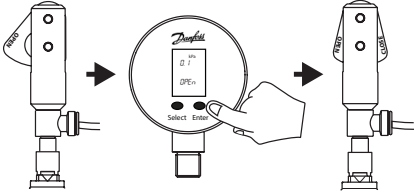
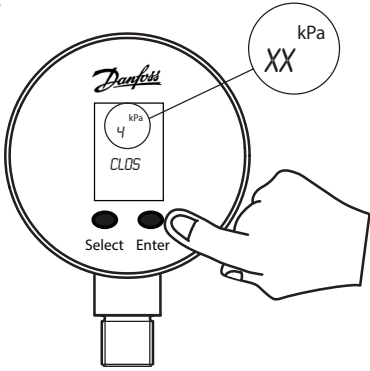

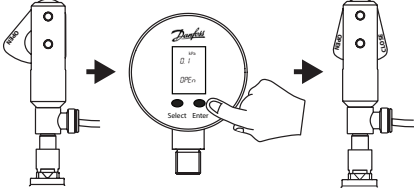
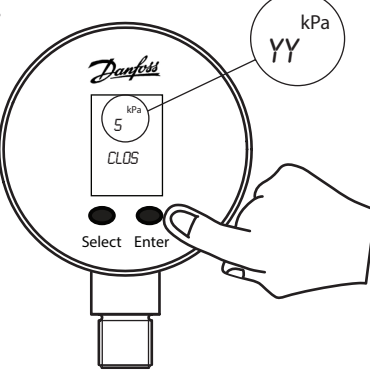
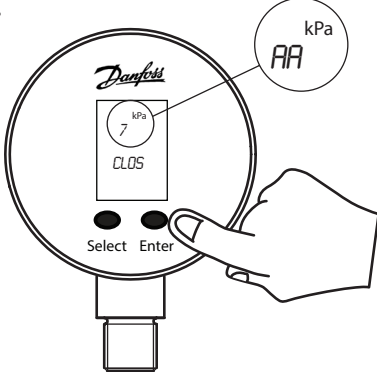

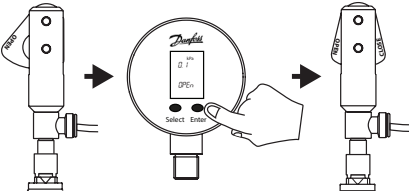
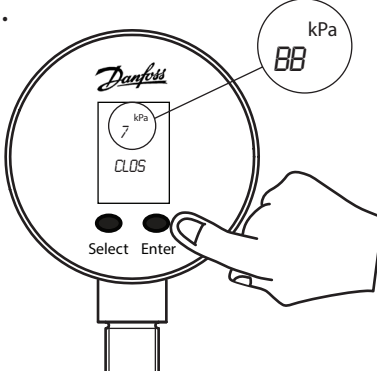


### Danfoss $\Delta p$ Tool for RA-DV, RA-N, RA-U, Danfoss BIV

<p>1.</p>	<p>2.</p>	<p>3.</p> <p>Locking ring only for RA-DV</p>
<p>4.</p>	<p>5.</p> <p>Steady Height *</p>	<p>6.</p>
<p>7.</p>	<p>8.</p>	<p>9.</p>
<p>10.</p> <p><math>\Delta P</math></p>	<p>11.</p>	<p><b>Danfoss Installer App</b>          Android ► Google Play          iPhone ► App Store</p>

\* Steady height by all measurements

Pump Optimization with the Danfoss  $\Delta$ p Tool (example)

Make sure: 1) the pump is set in constant pressure  
2) all the valves in the system are fully open

<p>1.</p>  <p>—10 —9 —8 —7 —6 —5 —4 —3 —2 —1</p> <p>➔ 1</p>	<p>2.</p> 	<p>3.</p>  <p>kPa XX</p>
<p>4.</p>  <p>—10 —9 —8 —7 —6 —5 —4 —3 —2 —1</p> <p>➔ 2</p>	<p>5.</p> 	<p>6.</p>  <p>kPa YY</p>
<p>7.</p> <p>If the differential pressure <b>is constant</b> (XX=YY)* go one level down in the pump setting ➔ <b>DONE</b></p> <p>If the differential pressure <b>is not constant</b> (XX≠YY) increase the pump setting and measure again. See 8 to 11.</p>	<p>8.</p>  <p>kPa AA</p>	<p>9.</p>  <p>—10 —9 —8 —7 —6 —5 —4 —3 —2 —1</p> <p>➔ 3</p>
<p>10.</p> 	<p>11.</p>  <p>kPa BB</p>	<p>12.</p> <p>Repeat 8-11 until the differential pressure <b>is constant</b> (AA=BB)*. Go one level down in the pump setting ➔ <b>DONE</b></p> <p><b>Danfoss Installer App</b> Android ▶ Google Play iPhone ▶ App Store</p> <p><b>Danfoss <math>\Delta</math>p Tool</b> YouTube video</p>  

\* The measured value at constant differential pressure is between 6 to 10 kPa