Click'n'go versus Pressure Lever Cassettes

Click'n'go Cassettes

Advantages:

- the Click'n'go cassette features an **automatic occlusion setting**
- an incorrect adjustment of the pressure lever is not possible
- a calibrated, fatigue-proof spring guarantees an optimum, reproducible pressure onto the tubing independent of the tubing diameter, material and its condition
- the **pumping conditions are defined and reproducible** at any time
- the occlusion remains correct during the whole service life of the tubing
- **no occlusion resetting** is required
- optimum long-term channel-to-channel conformity
- **ideal for long-term and unattended operation**

Limitations:

- this type of cassette **must not be used with** the tubing **Tygon MH 2075**
  (use cassette with the pressure lever)
- **not recommended** for differential pressures **above 1 bar / 14.5 psi**
- heavily varying differential pressure conditions may influence the flow rate

Cassettes with Pressure Lever

Advantages:

- the adjustable occlusion lever allows an **individual pressure setting for each channel**
- due to the various tube sizes, wall thicknesses and materials available, an optimally adjusted occlusion lever may offer advantages in comparison to the Click'n'go cassette
- for certain operating conditions, such as **varying** and/or **elevated differential pressure conditions**, this type of cassette may have advantages over the Click'n'go cassette
- preferably used **for very hard tubing material**, e.g. **Tygon MH 2075**

Limitations:

- the **pressure lever must be individually set on each channel**
- for **constant flow-rates** it may be necessary to **readjust** the **pressure setting** at **regular intervals**
- the **occlusion can be over-tightened** if the lever is incorrectly set
- an over-tightened tube pressure **shortens** the **service-life** of the tubing
- the pressure lever should **NOT** be used **for flow-rate adjustments**. Such a "calibration" can be **instable** and result in a shorter tubing life.