TECHNICAL CHARACTERISTICS OF THE CARTRIDGE:

- Mixing angle: 300°
- Calibration hot supply temperature: 60-65°C / 140-149°F
- Calibration cold supply temperature: 10-15°C / 50-59°F
- Flow rate: 22 l/min / 5.8 gpm without resistance
- Temperatur control:
  - Range: 15-60°C / 60-140°F
  - Accuracy: ±1.78°C / ±3°F
- Pressure test:
  - Pneumatic: 6 bar / 87 psi
  - Hydraulic: 35 bar / 500 psi
- Cold water supply failure test:
  - 0-5s max. 200 cm³ / 0.05 US gallon
  - 5-35s max 300 cm³ / 0.08 US gallon
- Endurance test:
  - EN 1111 whole cartridge
    - 20 000 cycles
  - ASSE 1016 thermostatic element
    - 80 000 cycles

- Smaller size means less brass to house it — better for use in „non-shower“ products, such as faucets.
- Fastest-acting thermostatic wax element (proprietary Kerox compound).
- Flow rate 5.8 gpm at 45 psi
- Non-rising stem.
- Assembles into body using separate mounting nut.
- 38°C / 100°F factory temperature calibration (marked on cartridge) — alternate set point of 40.5°C / 105°F available.
- 300 degree total rotational travel.
- Symmetrical operating range from calibration point (150 rotational degrees in either direction).
- Hot limit option via external component (not included).
- Complete valve shut-off in the event of cold water failure.

HYSTERESIS CURVES

Test faucet, without resistance
Water pressure: 3 bar

- Rotational range within comfort zone

Rotational range within comfort zone