



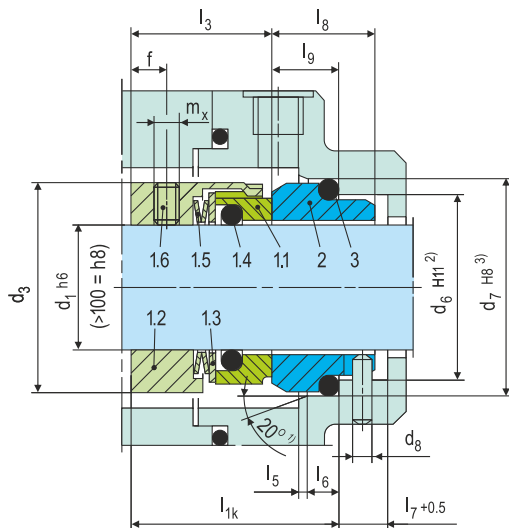
Sealmatic Delivers U700 (size 140 mm) Seals For Dar-es-Salaam Water Supply & Sanitation Authority (DAWASA) - Tanzania

Dar es Salaam (meaning - Place of Peace) is the largest city and former capital of Tanzania. With over six million people, it is the largest city in East Africa and the fifth-largest in Africa. On the Swahili coast, Dar es Salaam is an important economic centre and one of the fastest-growing cities in the world.

Sealmatic was commissioned to design and develop mechanical seals for sewage application at DAWASA facility in Tanzania. Sewage treatment is the process of removing contaminants from municipal wastewater, containing mainly household sewage plus some industrial wastewater. Physical, chemical, and biological processes are used to remove contaminants and produce treated wastewater that is safe enough for release into the environment. Thus, mechanical seals to be employed for such applications have to be robust in design and construction.

Sealmatic sealing systems can offer significant savings in the wastewater treatment industry including:

1. Reduced environmental contamination
 2. Lower power requirements
 3. Reduced downtime by increased mean time between planned maintenance (MTBPM)
 4. Reduced maintenance costs with the implementation of mechanical seals due to their:
 - ease of installation
 - long, trouble-free life
 - designed reparability
 - low-cost repair program
 - elimination of packing adjustment costs
- Sealmatic's U700 of self-contained cartridge seals are designed for reliable operation in the majority of sewage services. Engineered to operate with no outside flush liquid to eliminate product dilution, increase plant efficiency and reduce operating costs. These seals are capable of handling up to 40% solids by weight where Slurry Particle Hardness is at 9 MOH or below. Available in single and dual configurations.



Performance Capabilities

Sizes: d_1 = Upto 100 mm (Upto 4.000")

Pressure: p_1 = 25 bar (363 PSI)

Temperature: t = $-50\text{ }^{\circ}\text{C}$... $+220\text{ }^{\circ}\text{C}$

($-58\text{ }^{\circ}\text{F}$... $+428\text{ }^{\circ}\text{F}$)

Speed = 20 m/s (66 ft/s)

Permissible axial movement:

d_1 = up to 25 mm: ± 1.0 mm

d_1 = 28 up to 63 mm: ± 1.5 mm

d_1 = from 65 mm: ± 2.0 mm