

## TK Syringe device Dimensions

TK- Syringe device for appropriate clamp standard according BS 4825 – ASME-BPE

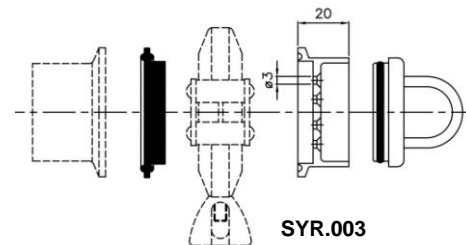
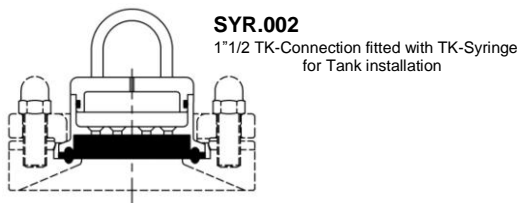
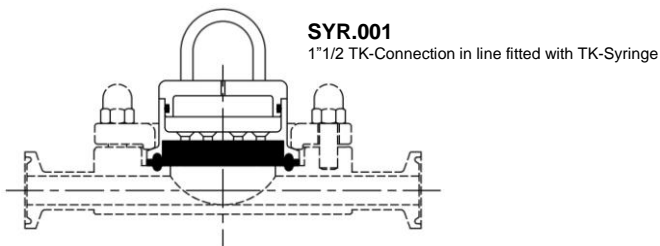
The hypodermic sample port device features a compact design that allow to take many sample of low viscosity products from a tank or in-line in pharmaceutical sector. Before to sampling, the port may be sterilized with alcohol and then sampling takes place by simply penetrating the special silicone membrane with an hypodermic needle or a syringe, with minimum risk of contamination. Once installed the silicone membrane shut off flush with the inside tank wall with a zero dead leg.

Available in a **unic size of 1"1/2** may be connected on standard clamp according BS 4825 or TK-Connections

- **SYR.001** for TK-Connect in-line
- **SYR.002** for TK-Connect for tank welding
- **SYR.003** for Clamp ferrule fitted

### Warning :

The system is designed for use in working conditions of 0-6 bar max.  
Please note that the sealing capacity is reduced with increased frequency of piercing, and the membranes ability to sustain pressure decreases.  
It is suggested the membrane replacement every production batch.



**Design pressure TK holder 7 bar**  
**Design temperature TK holder 200°C**

### Operating limits conditions :

Max pressure sample liquid 0,5 bar (suggested only)  
Max sampling temperature 95°C  
Not recommended for vacuum application

### Material:

Clamp port ASTM A 479 / ASTM A 182 – 316L  
Blind end cap ASTM A 479 / ASTM A 182 – 316L  
Syringable gasket **White Silicone** peroxide cured 40 shore  
**Black EPDM** peroxide cured 40 shore  
Meets or exceeds FDA regulations CFR 177.2600  
Animal Derived Ingredient Free (ADIF)  
Clamp assembly AISI 304 stainless steel



**Get the information you need and more at : [info@aerreinox.it](mailto:info@aerreinox.it)**

In the interests of development and improvement of the product, we reserve the right to change the specifications without prior notice.

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## Sampling

Sanitize the Sanitary Sampling Port immediately after installation and after each sampling operation.  
The sample port is designed for sampling by using a hypodermic needle as follow :

1. Spray the complete assembly device with a 70% isopropyl alcohol solution or 3% hydrogen peroxide solution (or other equivalent disinfecting solution)
2. Dismount the blind cap with finger-pull and place it in a disinfecting solution.
3. Spray disinfecting solution on the sampling port and membrane, Wait for 30 seconds approx.
4. Look the checklist paper to identify exactly which sampling well should be used (only one sample should be taken from sampling each well)
5. Insert the hypodermic needle for sampling. Recommended needle diameter is 0,8 – 1 mm maximum.
6. Collect the required sample and pull out the hypodermic needle.
7. Spray disinfecting solution on the sampling port and membrane, do not use chlorine or other halogen agents as either sanitans or cleaning compound. Chlorides and halogens will attack stainless steel.
8. Mount the blind cap with finger-pull
9. Mark on the checklist paper which sampling well has been used.

**NOTE : Penetration of membrane should only be done once through the same sampling well  
Replace the used membrane when the sample port checklist is completed**

## Sample port CHECKLIST

**1**

Take off date	Operator sign

**10**

Take off date	Operator sign

**9**

Take off date	Operator sign

**8**

Take off date	Operator sign

**7**

Take off date	Operator sign

**2**

Take off date	Operator sign

**3**

Take off date	Operator sign

**4**

Take off date	Operator sign

**5**

Take off date	Operator sign

**6**

Take off date	Operator sign