

## NEEDLE – FREE VEIN VALVE SET NEEDLE – FREE CONNECTOR SET INSTRUCTIONS FOR USE



### RELATED PRODUCTS

One-way, two-way or three-way needle-free vein valve sets used to deliver fluid/medication into the patient's vascular access

### PRODUCT DESCRIPTION

Needle-free vein valve set compatible with all luer lock connectors, consisting of an integral flat silicone seal, internal fluid path and a partially transparent clear housing that protects patients and healthcare workers from exposure to fluids and needlestick injuries. It is used to administer medication/liquid to the patient's vascular access. One-way, two-way, three-way needle-free vein valve sets are available with or without UV protection.

### INSTRUCTIONS FOR USE

- 1) Remove the protective cap from the female luer end (or ends) of the needle-free vein valve set.
- 2) Before connecting any syringe or IV set, disinfect the silicone part of the female luer end (or ends) by swabbing it with an alcohol/ chlorhexidine-containing tissue in accordance with the hospital's infection control procedure.
- 3) Open the clamp of the needle-free vein valve set, make it ready for use by passing saline fluid through it and remove the air. Close the clamp again.
- 4) Remove the protective cap of the male luer end of the needle-free valve and connect the male luer end to the device in the patient's vascular access.
- 5) Lock the female luer end (or ends) of the needle-free vein valve set onto the syringe or the tip of the infusion set.
- 6) Check the patient's vascular access with the help of saline by opening the clamps of the infusion set and valve set or pushing the syringe plunger. Then perform the drug/liquid/blood/parenteral nutrient infusion. Close the clamps when the procedure is finished.
- 7) For sets with two or three vein valves, needle-free vein valves can be connected to different infusion sets, or one vein valve can be connected to the infusion set while the others can be used in syringe applications.
- 8) Needle-free vein valve set is suitable for all luer lock syringes and sets. When using a rotating male luer lock connection, make sure that the luer connector is fully connected to the body before fixing the collar/ring. When using luer slip syringes, rotate the male luer slip clockwise while locking the syringe into the valve. When the process is finished, remove the luer slip from the valve by turning it counterclockwise.
- 9) After each fluid delivery, flush the valve set and catheter as specified in hospital protocol.
- 10) When all procedures are completed, dispose of the valve set in accordance with the waste management procedure of the facility.
- 11) Needle-free vein valves on the set provide a microbiological barrier for 7 days if port site disinfection procedures are fully followed. (See. Flyer EN 2021 Microbiological Barrier).
- 12) The male end of the set, which is connected to the female luer end of the device in the patient's vascular access, is screwless. Therefore, do not leave it unattended on the patient. The product may detach from the female luer end of the patient IV device and cause patient bleeding.
- 13) For products containing check valves;
  - Fluid flow is only one directional towards the patient. Do not try to draw blood using these lumens, only fluid could be given to the patient.
  - Air may enter the valve as much as the luer volume (0.1 mL) while the syringe or infusion set is removed from the valve. Do not use sets containing a check valve in cases where this



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amount of air (0.1 mL) is inconvenient to inject into the patient's venous system (ASD – VSD).

- If the fluid flow is not sufficient, check whether or not the spike inserted in the serum bag has the proper opening, if the ventilation is adequate, when a serum bottle is used.

### WARNINGS & PRECAUTIONS

1. It should be used by healthcare personnel.
2. DO NOT USE if the package has been opened or damaged.
3. DO NOT USE expired products.
4. Check that all protective caps are present before use.
5. DO NOT ACCESS needle-free valves with a needle or blunt cannula.
6. DO NOT USE in patients who are hypersensitive to any of the materials used.
7. If the silicone part of the valve becomes damaged or does not return to its original form after multiple access, replace the set. This may cause leakage.
8. DO NOT OVERTIGHTEN the connections.
9. If it is leaking, replace the product with a new one.
10. Replace the product with a new one in case the set separates from the bonding areas.
11. The set is for single use only. DO NOT RESTERILIZE.
12. DO NOT LEAVE infusion sets unattended.
13. If you observe that a drug or liquid has damaged the infusion set, replace the set with a new one and inform our company by naming the drug.

### STORAGE TEMPERATURE

Product storage temperature is 15 – 30°C.

### TIME OF USE

Needle-free vein valves on the set provide a microbiological barrier for 7 days if port site disinfection procedures are fully followed. (See. Flyer EN 2021 Microbiological Barrier).

### SHELF LIFE

The shelf life of the product is 5 years.

### USERS

Specialist physicians, nurses, pharmacists and other relevant health-trained workers.

### LABEL DISCLOSURES

 Manufacturer Information	 Notified Body Number	 Manufacturing Date	 Expiry Date	 Lot Number
 Reference Number	 Sterilized with EO Gas	 Do Not Re-sterilize	 Do Not Use If Package is Damaged	 Keep Away From The Sun
 See User Manual	 Storage Temperature Limits	 Single Use Only	 Caution	 Pyrogen Free
 DEHP – Free	 Latex – Free	 Medical Device		