

ABSTRACT

A connector which can assuredly avoid contact of a chemical injected from a syringe with outside air and liquid leak is provided.

The present invention has a sleeve member 2 including a large-diameter portion 4 fitted around an opening portion 12c of a pipe 11 and a small-diameter portion 5 communicating with the large-diameter portion 4; and a valve body 3 having a cylindrical portion 9 and a bottom portion 10 and including a slit-like valve hole 10a at the bottom portion 10. By accommodating the valve body 3 in the sleeve member 2 and fitting the large-diameter portion 4 on the opening portion 12c, the valve body 3 is pushed to the opening portion 12c to seal the opening portion 12c. When a cylinder end portion 22 of the syringe 21 is inserted into the valve hole 10a, the valve hole 10a is opened, and the opened valve hole 10a is appressed against the cylinder end portion 22, thereby liquid-tightly connecting the opening portion 12c with the syringe 21. The sleeve member 2 has a tapered portion 6 which connects the large-diameter portion 4 with the small-diameter portion 5, and includes a plurality of ribs 7 on an inner peripheral surface of the large-diameter portion 4. The sleeve member 2 has a male screw portion 8 on an outer peripheral surface of the small-diameter portion 5. The pipe 11 is a three-way cock.