CLAIMS

1. A chemical supplier comprising:

a chemical male connector (510) and a chemical female connector (210) which are connected to each other to supply chemicals; and

a connector guide portion configured to guide an outer circumferential surface of the chemical male connector (510) so that a central axis (C1) of the chemical female connector (210) coincides with a central axis (C2) of the chemical male connector (510) when the chemical male connector (510) is coupled to the chemical female connector (210),

wherein the connector guide portion is provided on a side of a position at which the chemical male connector (510) is coupled to the chemical female connector (210).

2. The chemical supplier of claim 1, wherein the connector guide portion comprises guide surfaces 811 and 821 tilted toward a centripetal direction from a direction in which the chemical male connector (510) is coupled to the chemical female connector (210) to guide an outer circumferential surface of the chemical male connector (510).

3. The chemical supplier of claim 2, wherein the connector guide portion comprises a first housing (810) including a first guide surface (811) configured to guide an upper circumferential surface of the chemical male connector (510) and a second housing (820) including a second guide surface (821) configured to guide a lower circumferential surface of the chemical male connector (510).

4. The chemical supplier of claim 1, wherein the connector guide portion comprises a plurality of guide rollers (930), (950) rotated to guide an outer circumferential surface of the chemical male connector (510).

5. The chemical supplier of claim 4, wherein the plurality of guide rollers (930), (950) comprise a plurality of upper guide rollers (930) spaced apart from each other to guide an upper perimeter of the outer circumferential surface of the chemical male connector (510) and a plurality of lower guide rollers (950) spaced apart from each other to guide a lower perimeter of the outer circumferential surface of the chemical male connector (510).

6. The chemical supplier of claim 1, wherein the chemical male connector (510) is integrally coupled with a mounting flange (520) inserted into and fixed to a connector insertion hole (522) and comprises a neck support portion (160) configured to support a neck portion (512) of the chemical male connector (510) on one side spaced apart from the mounting flange (520) by which the chemical male connector (510) is supported.

7. The chemical supplier of claim 6, wherein a mounting groove (161) formed to have a shape corresponding to a lower outer circumferential surface of the neck portion (512) of the chemical male connector (510) and in which the lower outer circumferential surface of the neck portion (512) is mounted is formed in a top of the neck support portion (160).

8. The chemical supplier of claim 1, wherein the chemical male connector (510) is integrally coupled with a mounting flange (520) inserted into and fixed to a connector insertion hole (522), the mounting flange (520) is supported on a placing portion (150), and a clamp (170) configured to fixedly support the mounting flange (520) above the placing portion (150) is further included.

9. The chemical supplier of claim 8, wherein the clamp (170) comprises a pivoting member (170a) provided to be pivotable around a hinge portion (171) on one side and including a holding piece (172) on a side opposite the side where the hinge portion (171) is located, a first sidewall member (170b) fixedly supporting the hinge portion (171) above the placing portion (150), and a second sidewall member (170c) provided on a side facing the first sidewall member (170b) and including a holding hook (173) at a top end thereof to hold the holding piece (172).

10. The chemical supplier of claim 9, wherein the holding hook (173) is pivotably provided on one side of a pivot (174) to be held by or released from the holding piece (172), and a push portion (175) connected to the holding hook (173) and extending therefrom is provided on the other side of the pivot (174).

11. The chemical supplier of claim 1, wherein the chemical male connector (510) is integrally coupled with a mounting flange (520) inserted into and fixed to a connector insertion hole (522), a hose flange (560) including a side surface facing the mounting flange (520) is coupled to an end of a chemical supply hose (500) connected to the chemical male connector (510), and a coupling flange (540) inserted into a coupling groove (511) formed along a circumferential perimeter of an end of

the chemical male connector (510) passing through the connector insertion hole (522) to prevent the chemical male connector (510) from being detached therefrom is provided between the mounting flange (520) and the hose flange (560).

12. The chemical supplier of claim 11, comprising a plurality of fastening members (571) fastened through the mounting flange (520), the coupling flange (540), and the hose flange (560) and spaced apart in a circumferential direction and a plurality of position determination pins (572) fastened through the mounting flange (520) and the coupling flange (540) between positions where the plurality of fastening members (571) are fastened.

13. The chemical supplier of claim 12, wherein the position determination pins (572) are formed as reamer bolts.