CLAIMS

1. A filter (1) for infusion medical lines comprising a flattened box-like body (2) including a pair of half-shells (5, 6) and provided with an inlet connector (9) for a liquid to be filtered and an outlet connector (10) for the filtered liquid, said connectors (9, 10) being provided respectively at a first end wall (3) and at a second end wall (4) of the box-like body (2), a plate-shaped element (13) being arranged within the box-like body (2) formed on whose at least one of the opposite faces are ribs (14) which define inner channels (15) parallelly extending between said connectors (9, 10), on said ribs (14) there being arranged at least one filtering hydrophilic membrane (16) which separates said channels (15) from an interspace (23) delimited by the corresponding half-shell (5, 6), said interspace(23) being placed in communication with the inlet connector (9) and said channels (15) communicating with the outlet connector (10), and said interspace(23) further being placed in communication with the outside through vent openings (11a, 11b) with associated hydrophobic membranes (24), characterized in that both said vent openings (11a, 11b) are arranged on said end walls (3, 4) of the box-like body (2) and whereby - in use - the infusion liquid initially touches at least one of said hydrophobic membranes and subsequently touches and flows through said at least one hydrophilic membrane (16).

2. Filter according to claim 1, characterized in that said channels (15) are provided on both opposite faces of said plate-shaped element (13) and a pair of filtering hydrophilic membranes (16) separate said channels (15) from a pair of interspaces (23) each delimited by a respective half-shell (5, 6).

3. Filter (1) according to claim 1 or claim 2,

characterized in that at the ends of the opposite faces of the plate-shaped element (13) there are provided transverse manifolds (22) on which said hydrophobic membranes (24) are arranged, said transverse manifolds (22) being placed in communication with said vent openings (11a, 11b).

4. Filter (1) according to any one of claims 1 to 3, characterized in that said inlet connector (9) and said outlet connector (10) are coaxial.

5. Filter (1) according to one or more of the preceding claims, characterized in that said inlet connector (9) and said outlet connector (10) are designed for tube-tube or luer-tube or tube-luer or luer-luer connections of said medical line.

6. Filter (1) according to one or more of the preceding claims, characterized in that the or each filtering hydrophilic membrane (16) is made of one piece with said hydrophobic membranes (24).