Claims

1.Bladeless fan in the fluid pipe essentially comprising,
a two-layer hollow tube divided into outer and inner layers such that the fluid intake from the outer layer (8) and the fluid release to the inner layer (9) places the hollow tube around the perimeter of the pipe in a horizontal position in at least one position.

2.Bladeless fan in the fluid pipe essentially comprising,
a single hollow tube which is attached to an outer layer of a fluid intake (8) and an inner layer fluid release (9) wherein fluid from the inner layer fluid release (9) is allowed to flow through the single hollow tube, the outer layer fluid intake (8) being so adapted as to receive fluid from an outer layer of a split pipe that is not a single hollow tube.

3.Bladeless fan in the fluid pipe essentially comprising,
a two-layer hollow tube divided into outer and inner layers such that the fluid intake from the outer layer (8) and the fluid release to the inner layer (9) places the hollow tube around the perimeter of the pipe in a horizontal position in at least one position; and
a single hollow tube attached the outer layer fluid intake (8) and the inner layer fluid release (9) wherein fluid from the inner layer fluid release (9) will be able to flow through the single hollow tube instead of the inner layer of the two-layer hollow tube and the outer layer fluid intake (8) is so adapted as to not receive fluid from the outer layer of the two-layer hollow tube but will instead receive fluid from a split pipe that is not a single hollow tube.

4. Bladeless fan in the fluid pipe in accordance with any one of claims 1-3, wherein create a welding pipe at the fluid outlet to the inner layer by spacing it periodically that likes small hollow tube or blocked pipe, where the fluid intake point from the outer layer and the fluid release to the inner layer that place the hollow tube around the perimeter of the pipe in horizontal.

5. Bladeless fan in the fluid pipe in accordance with any one of claims 1-4, wherein the bladeless fan in the fluid pipe further comprises a fluid sorting apparatus (16) such that its characteristic is solid attachment to the pipe and the hollow tube inside various sizes tube, and the hollow tube is suitably honeycomb in shape.

6. Bladeless fan in the fluid pipe in accordance with any one of claim 1 or 3-5, wherein the top of bladeless fan (2) is attached to the lower bladeless fan (3), which has characteristic design for splitting and then there is the fluid from the outer layer and release the fluid to the inner layer such that to place the hollow tube around the perimeter of the pipe in horizontal at least one position.

7. Bladeless fan in the fluid pipe in accordance with any one of claim 1-6, wherein at the top of bladeless fan (2) with a split pipe (4) or the split pipe (4) at the upper bladeless fan for using in areas where there are no split pipes in the system, or both.

8. Bladeless fan in the fluid pipe in accordance with any one of claim 1-7, wherein the installation of a fluid sorting apparatus (16) suitable for installed below the lower bladeless fan (3).

9. Bladeless fan in the fluid pipe in accordance with any one of claim 1-5, wherein by form 2, a bladeless fan that attached or melt to the pipe such that can be attached to a hollow tube (1) or for some path to a hollow tube (1) or both with both sides of the bladeless fan.

10. Bladeless fan in the fluid pipe in accordance with any one of claim 1-5, wherein by form 3, creates a two-layer hollow tube into a single tube.

11. Bladeless fan in the fluid pipe in accordance with any one of claim 5, 9 or 10,, wherein the installation of the fluid sorting apparatus (16) is the appropriate location are before or after the inner layer fluid release (9) or both.

12. Bladeless fan in the fluid pipe in accordance with any one of claim 1-8, wherein the hollow tube (1), the top bladeless fan (2) and the lower blade fan (3) are so arranged such that fluid is able to flow from the hollow tube (1) which has two parts, that is, the outer layer and the inner layer; the fluid in the outer layer is able to flow into the assembled bladeless fan to maintain the flow velocity of the fluid constant or closely; and when the two fluids are able to layer flow from the hollow tube (1) directional to the placement of top bladeless fan at the area that the top and lower bladeless fan be assembled to a bladeless fan; such flow will enable the fluid from the outer layer hollow tube (1) through the outer layer fluid intake (8) to take place, then the fluid flow to the inner layer fluid release (9). With the result that the fluid from the inner layer hollow tube (1) flows instead; such an arrangement causing the continuous flow in the entire area, the upper bladeless fan section having a split pipe (4), where the fluid from the inner layer hollow tube (1) will flow in two directions, one will flow to the split pipe (4) and the other will pass both sections of the bladeless fan through the hollow tube that is attached it; which will cause the velocity of the fluid in the hollow tube (1) to be constant or run closely along the path, even with a split pipe (4).

13. Bladeless fan in the fluid pipe in accordance with any one of claim 1-7, wherein there are more than 2 pieces of bladeless fan components be designed to combine become the top bladeless fan (2) and the lower bladeless fan (3).

14. Bladeless fan in the fluid pipe in accordance with any one of claim 1-13, wherein fluid movement when it occurs comprises;
fluid flow from the fluid source (100) through the pipe (101), and when the fluid enters the pipe (101), it will have a constant velocity or close to the fluid velocity from the fluid source (100); when the fluid passes through the bladeless fan installation point (201), the bladeless fan will work as the fluid density changes; when the Fluid passes the bladeless fan installation point (201) it will travel along the pipeline to the point where the bladeless fan installation point (202) and pass to the split pipe that make the fluid move in two directions: to the bladeless fan installation point (203) and to the end point (304), which causes the area near the bladeless fan (202) change densities; such an arrangement allows the bladeless fan (202) to release additional fluid to accelerate and make the fluid from block pipe flow faster to maintain the velocity of the two split pipes to be constant or closely, thus the pipe that split to the end point (304) has a constant velocity or close to the fluid velocity from the fluid source (100); the fluid flowing through the pipe to the bladeless fan installation point (203) will then travel further along the pipe (203) and the fluid in the pipe will have a constant or closely velocity and travel to the bladeless fan installation point (204), , the fluid that split to the end point (301) will have a constant or closely speed, the bladeless fan (201), (202), (203) and (204) keep the speed constant or closely in the pipeline, and the other way fluid flow into the split pipe and travels to the bladeless fan installation point (205), and when the fluid passes (205) to the split pipe that formed into a two-way junction, the split pipe that travels to the end point (303) will have constant speed throughout the pipeline, even if the angle of the pipe is split again, because the bladeless fan installation point (205) is so adapted as to provide additional fluid and fluid before this point of installation is faster to distribute the density constant, the split pipe that travels to the bladeless fan installation point (206) will have a constant or closely speed, and the fluid travel from the bladeless fan installation point (205) and flow to the bladeless fan installation point (206) and when it pass (206) to the end point (302) will do so at constant or close to the speed from the fluid source (100).

15. Bladeless fan in the fluid pipe in accordance with any one of claim 1 or 3 or 14, wherein the pipe (101) is a single hollow tube, and wherein the fluid source (100) is divided into at least two sources so that the fluid flow to the pipe (101) and the fluid separates to the bladeless fan at another fluid source.

16. Bladeless fan in the fluid pipe in accordance with any one of claim 1-3 or 14, wherein the pipe (101) is a single hollow tube, and wherein the fluid source (100) has a single source with a fluid separator pipe (101) and a fluid pipe to the bladeless fan with fluid from the same fluid source.

17. Bladeless fan in the fluid pipe in accordance with claim 4 wherein the installation of a small hollow tube or block pipe can be made by attaching to one inner layer of the top or lower bladeless fan, then connect it to the opposite side later, or bring a small hollow tube or block pipe to attach one or the other.

18. Bladeless fan in the fluid pipe in accordance with claim 10, wherein the melting or forming can be done by melting the whole pipe system or make a partial melting whereas there are more than one bladeless fan location when this melting occurs, then each piece is melted and assembled into the pipe system.