[0006] Heretofore, when there has been a need for a two inlet/two outlet configuration this has been accomplished by using two discrete valves with each valve having its own handle or by using a single inlet/two outlet diverting valve. The former results in higher cost products due to the need for two handles and two valves as well as limiting available design options due to the need for the two handles. The latter results in only a single supply line, and thus restricts the design to working with only one fluid source. For example, in a hot water dispenser having a faucet with a cold water outlet, if it is desired that the water exiting the cold water outlet be chilled, the water must first be chilled and supplied to the faucet. With the diverting valve, when handle is moved to the hot water side, the cold water flows into the heating tank reducing the water temperature and efficiency of the tank.

[0007] Cartridge valves, while offering many advantages, often cost more than placing discrete parts into plumbing fittings.

[0008] Current valve cartridges come in flow rates published by the manufactures. For applications not fitting with the standard kitchen / bath faucets, flow controls must be added internal to the faucet to obtain the flow rates required. Alternatively, custom valves and faucets are designed for each application to obtain the flow rates required. This however limits the ability to change the flow rate of a faucet after it has been produced or requires additional components in the design.

SUMMARY

[0009] This section provides a general summary of the disclosure, and is not a comprehensive disclosure of its full scope or all of its features.

[0009a] In a first aspect, there is provided a multi-flow valve, comprising: a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector; the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second

outlet openings of the inlet/outlet plate; the fluid flow selector having a fluid flow passage therein; and the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position.

[0009b] In a second aspect, there is provided a multi-flow valve, comprising: a valve housing in which a spindle, a fluid flow selector plate and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector; the inlet/outlet plate having first, second and third inlet openings and a first outlet opening and a mixed flow outlet opening with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first, second and third inlet openings and first outlet opening and mixed flow outlet opening of the inlet/outlet plate; the fluid flow selector plate having an offset arcuate channel therein; the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position and a first open position, the offset arcuate channel bridging across the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening and the offset arcuate channel not bridging across the first inlet to the first outlet when the fluid flow selector is in the closed position; the fluid flow selector plate having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector ; the fluid flow selector plate movable radially with respect to the inlet/outlet plate among at least an auxiliary flow position, a neutral flow position and a mixed-flow position; the offset arcuate channel of the

fluid flow selector plate lying in an arc in which the first inlet opening and the first outlet opening lie when the fluid flow selector plate is in the auxiliary flow position and the offset arcuate channel does not lie in this arc when the fluid flow selector plate is not in the auxiliary flow position and when the fluid flow selector plate is not in the auxiliary flow position the offset arcuate channel does not fluidly couple the first inlet opening to the first outlet opening regardless of the rotational position of the fluid flow selector plate; the plurality of rotational positions among which the fluid flow selector plate can be rotated including when the fluid flow selector plate is in the mixed flow position a mixed flow on position in which a section of the elongate channel extends over the second and third fluid inlets and the elongate channel bridges across and the second and third fluid inlets to the mixed flow outlet opening to fluidly couple the second and third fluid inlets to the mixed flow outlet, a second flow on position in which the section of the elongate channel extends over the second inlet opening and the elongate channel bridges across the second inlet opening and the mixed flow outlet opening to fluidly couple the second inlet opening to the mixed flow outlet opening but does not bridge across the third inlet opening to the mixed flow outlet opening, and a third flow on position in which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third inlet opening to the mixed flow outlet opening to fluidly couple the third inlet opening to the mixed flow outlet opening but does not bridge across the second inlet opening to the mixed flow outlet opening; and wherein when the fluid selector plate is in the neutral flow position none of the inlet openings and outlet openings are fluidly coupled to each other regardless of the rotational position of the fluid selector plate.

[0009c] In a third aspect, there is provided a multi-flow valve, comprising: a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector; the inlet/outlet plate having first, second and third inlet openings and a first outlet opening and a mixed flow outlet opening with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first, second

and third inlet openings and first outlet opening and mixed flow outlet opening of the inlet/outlet plate; the fluid flow selector comprising inner and outer concentric disks that are each rotatable independently of each other with respect to the inlet/outlet plate, the outer concentric disk having an arcuate offset channel therein, the inner concentric disk having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector plate; the outer concentric disk rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position and a first open position, the offset arcuate channel bridging across the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening and the offset arcuate channel not bridging across the first inlet to the first outlet when the fluid flow selector is in the closed position; at least the inner concentric disk movable radially with respect to the inlet/outlet plate among at least a neutral flow position and a mixed-flow position; the plurality of rotational positions among which the inner concentric disk can be rotated when the inner concentric disk is in the mixed flow position including a mixed flow on position in which a section of the elongate channel extends over the third and fourth fluid inlets and the elongate channel bridges across the second and third inlet openings to the mixed flow outlet opening to fluidly couple the second and third inlet openings to the mixed flow outlet, a second flow on position in which the section of the elongate channel extends over the second inlet opening and the elongate channel bridges across the second inlet opening and the mixed flow outlet opening to fluidly couple the second inlet opening to the mixed flow outlet opening and does not bridge across the third inlet opening to the mixed flow outlet opening and a third flow on position in which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third inlet opening to the mixed flow outlet to fluidly couple the third inlet opening to the mixed flow outlet opening but does not bridge across the second inlet opening to the mixed flow outlet opening; and wherein when the inner concentric disk is in the neutral flow position neither of the second and third openings are fluidly coupled to the mixed flow outlet opening regardless of the rotational position of the fluid selector plate.

[0009d] In a fourth aspect, there is provided a water dispenser comprising: a conditioned water source, a multi-flow valve and a faucet spout; the multi-flow valve including: a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector; the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding first and second inlet openings and first and second outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second outlet openings of the inlet/outlet plate, the first and second inlet openings of the surface plate providing provide first and second inlets of the valve and the first and second outlet openings of the surface plate providing first and second outlets of the valve; the fluid flow selector having a fluid flow passage therein; the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position; and the first outlet of the valve fluidly coupled to the conditioned water source, the second outlet of the valve fluidly coupled to an outlet line of the faucet spout and an outlet of the water source fluidly coupled to the outlet line of the faucet spout.

[0009e] In a fifth aspect, there is provided a water dispenser, comprising: a faucet spout and a multi-flow valve; the multi-flow valve including: a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet

plate abutting a proximal side of the fluid flow selector; the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second outlet openings of the inlet/outlet plate; the first outlet opening of the surface plate fluidly coupled to a first water outlet line of the faucet spout and the second outlet opening of the surface plate fluidly coupled to either the first water outlet line or a second water outlet line of the faucet spout; the fluid flow selector having a fluid flow passage therein; and the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position.

[0010] In accordance with an aspect of the present disclosure, a multi-flow valve has first and second discrete fluid inlets and first and second discrete fluid outlets. The valve has a normally closed position and first and second open positions. When the valve is in the normally closed position, fluid is blocked from flowing from the inlets to the outlets. When the valve is in the first open position, it couples a flow passage between the first inlet and the first outlet and fluid flows from the first inlet to the first outlet. When the valve is in the second open

What is claimed is:

1. A multi-flow valve, comprising:

a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector;

the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second outlet openings of the inlet/outlet plate;

the fluid flow selector having a fluid flow passage therein; and

the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position.

2. A multi-flow valve, comprising:

a valve housing in which a spindle, a fluid flow selector plate and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector;

the inlet/outlet plate having first, second and third inlet openings and a first outlet opening and a mixed flow outlet opening with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the

corresponding first, second and third inlet openings and first outlet opening and mixed flow outlet opening of the inlet/outlet plate;

the fluid flow selector plate having an offset arcuate channel therein;

the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position and a first open position, the offset arcuate channel bridging across the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening and the offset arcuate channel not bridging across the first inlet to the first outlet when the fluid flow selector is in the closed position;

the fluid flow selector plate having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector ;

the fluid flow selector plate movable radially with respect to the inlet/outlet plate among at least an auxiliary flow position, a neutral flow position and a mixed-flow position;

the offset arcuate channel of the fluid flow selector plate lying in an arc in which the first inlet opening and the first outlet opening lie when the fluid flow selector plate is in the auxiliary flow position and the offset arcuate channel does not lie in this arc when the fluid flow selector plate is not in the auxiliary flow position and when the fluid flow selector plate is not in the auxiliary flow position the offset arcuate channel does not fluidly couple the first inlet opening to the first outlet opening regardless of the rotational position of the fluid flow selector plate;

the plurality of rotational positions among which the fluid flow selector plate can be rotated including when the fluid flow selector plate is in the mixed flow position a mixed flow on position in which a section of the elongate channel extends over the second and third fluid inlets and the elongate channel bridges across and the second and third fluid inlets to the mixed flow outlet opening to fluidly couple the second and third fluid inlets to the mixed flow outlet, a second flow on position in which the section of the elongate channel extends over the second inlet opening and the elongate channel bridges across the second inlet opening and the mixed flow outlet opening to fluidly couple the second inlet opening to the mixed flow outlet opening but does not bridge across the third inlet opening to the mixed flow outlet opening, and a third flow on position in

which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third inlet opening to the mixed flow outlet opening to fluidly couple the third inlet opening to the mixed flow outlet opening but does not bridge across the second inlet opening to the mixed flow outlet opening; and

wherein when the fluid selector plate is in the neutral flow position none of the inlet openings and outlet openings are fluidly coupled to each other regardless of the rotational position of the fluid selector plate.

3. The multi-flow valve of claim 2 wherein the mixed flow position includes a plurality of mixed flow positions including a mixed flow-low volume position and a mixed flow-high volume position wherein when the fluid flow selector plate is in the mixed flow-high volume position a larger section of the elongate channel extends over those of the second and third inlet openings to which the fluid flow selector plate has been rotated to extend over than when the fluid flow selector plate is in the mixed flow-low volume position.

4. A multi-flow valve, comprising:

a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector;

the inlet/outlet plate having first, second and third inlet openings and a first outlet opening and a mixed flow outlet opening with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first, second and third inlet openings and first outlet opening and mixed flow outlet opening of the inlet/outlet plate;

the fluid flow selector comprising inner and outer concentric disks that are each rotatable independently of each other with respect to the inlet/outlet plate, the outer concentric disk having an arcuate offset channel therein, the inner concentric disk having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector plate;

the outer concentric disk rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position and a first open position, the offset arcuate channel bridging across the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening and the offset arcuate channel not bridging across the first inlet to the first outlet when the fluid flow selector is in the closed position;

at least the inner concentric disk movable radially with respect to the inlet/outlet plate among at least a neutral flow position and a mixed-flow position;

the plurality of rotational positions among which the inner concentric disk can be rotated when the inner concentric disk is in the mixed flow position including a mixed flow on position in which a section of the elongate channel extends over the third and fourth fluid inlets and the elongate channel bridges across the second and third inlet openings to the mixed flow outlet opening to fluidly couple the second and third inlet openings to the mixed flow outlet, a second flow on position in which the section of the elongate channel extends over the second inlet opening and the elongate channel bridges across the second inlet opening and the mixed flow outlet opening to fluidly couple the second inlet opening to the mixed flow outlet opening and does not bridge across the third inlet opening to the mixed flow outlet opening and a third flow on position in which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third inlet opening to the mixed flow outlet to fluidly couple the third inlet opening to the mixed flow outlet opening but does not bridge across the second inlet opening to the mixed flow outlet opening; and

wherein when the inner concentric disk is in the neutral flow position neither of the second and third openings are fluidly coupled to the mixed flow outlet opening regardless of the rotational position of the fluid selector plate.

5. The multi-flow valve of claim 4 wherein the mixed flow position includes a plurality of mixed flow positions including a mixed flow-low volume position and a mixed flow-high volume position wherein when the inner concentric disk is in the mixed flow-high volume position a larger section of the elongate channel extends over those of the second and third inlet openings to

which the inner concentric disk has been rotated to extend over than when the inner concentric disk is in the mixed flow-low volume position.

6. A water dispenser comprising:

a conditioned water source, a multi-flow valve and a faucet spout;

the multi-flow valve including:

a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector;

the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding first and second inlet openings and first and second outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second outlet openings of the inlet/outlet plate, the first and second inlet openings of the surface plate providing provide first and second inlets of the valve and the first and second outlet openings of the surface plate providing first and second outlets of the valve;

the fluid flow selector having a fluid flow passage therein;

the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the

first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position; and

the first outlet of the valve fluidly coupled to the conditioned water source, the second outlet of the valve fluidly coupled to an outlet line of the faucet spout and an outlet of the water source fluidly coupled to the outlet line of the faucet spout.

7. The water dispenser of claim 6 further including a hot/cold water mixing valve and the faucet spout having a mixed water outlet line fluidly coupled to an outlet of hot/cold water mixing valve.

8. The multi-flow valve of claim 1 or the water dispenser of claim 6 wherein the fluid flow passage is an offset arcuate channel in the fluid flow selector that is offset from a center of the fluid flow selector and that lies in an arc in which the first and second inlet openings and the first and second outlet openings of the inlet/outlet plate are disposed.

9. The multi-flow valve of claim 8 or the water dispenser of claim 8 wherein the inlet/outlet plate includes third and fourth inlet openings and a mixed flow outlet opening, the fluid flow selector comprising a fluid flow selector plate having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector plate;

the fluid flow selector plate movable radially with respect to the inlet/outlet plate among at least an auxiliary flow position, a neutral flow position and a mixed-flow position;

the arcuate channel of fluid flow selector plate lying in the arc in which the first and second inlet openings and the first and second outlet openings lie when the fluid flow selector plate is in the auxiliary flow position and the offset arcuate channel does not lie in this arc when the fluid flow selector plate is not in the auxiliary flow position and when the fluid flow selector plate is not in the auxiliary flow position the offset arcuate channel does not fluidly couple the first inlet opening to the first outlet opening, the second fluid opening to the second outlet

opening or the first outlet opening to the second outlet opening regardless of the rotational position of the fluid flow selector plate;

the plurality of rotational positions among which the fluid flow selector plate can be rotated including when the fluid flow selector plate is in the mixed flow position a mixed flow on position in which a section of the elongate channel extends over the third and fourth fluid inlets and the elongate channel bridges across and the third and fourth fluid inlets to the mixed flow outlet opening to fluidly couple the third and fourth fluid inlets to the mixed flow outlet, a third flow on position in which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third inlet opening and the mixed flow outlet opening to fluidly couple the third inlet opening to the mixed flow outlet opening but does not bridge across the fourth inlet opening to the mixed flow outlet opening, and a fourth flow on position in which the section of the elongate channel extends over the fourth inlet opening and the elongate channel bridges across the fourth inlet opening to the mixed flow outlet opening to fluidly couple the fourth inlet opening to the mixed flow outlet opening but does not bridge across the third inlet opening to the mixed flow outlet opening; and

wherein when the fluid selector plate is in the neutral flow position none of the inlet openings and outlet openings are fluidly coupled to each other regardless of the rotational position of the fluid selector plate.

10. The multi-flow valve of claim 9 or the water dispenser of claim 9 wherein the mixed flow position includes a plurality of mixed flow positions including a mixed flow-low volume position and a mixed flow-high volume position wherein when the fluid flow selector plate is in the mixed flow-high volume position a larger section of the elongate channel extends over those of the third and fourth inlet openings to which the fluid flow selector plate has been rotated to extend over than when the fluid flow selector plate is in the mixed flow-low volume position.

11. The multi-flow valve of claim 9 or the water dispenser of claim 9 wherein when the fluid flow selector plate is in the closed position in the auxiliary flow position, the arcuate channel bridges across the first outlet opening to the

second outlet opening to fluidly couple the first outlet opening to the second outlet opening.

12. The multi-flow valve of claim 8 or the water dispenser of claim 8 wherein the inlet/outlet plate includes third and fourth inlet openings and a mixed flow outlet opening, the fluid flow selector comprising inner and outer concentric disks that are each rotatable independently of each other with respect to the inlet/outlet plate, the outer concentric disk having the arcuate offset channel therein, the inner concentric disk having a mixed flow fluid passage comprising an elongate central channel in the fluid flow selector plate;

at least the inner concentric disk movable radially with respect to the inlet/outlet plate among at least a neutral flow position and a mixed-flow position;

the plurality of rotational positions among which the fluid flow selector plate can be rotated when the inner concentric disk is in the mixed flow position including a mixed flow on position in which a section of the elongate channel extends over the third and fourth fluid inlets and the elongate channel bridges across and the third and fourth fluid inlets to the mixed flow outlet opening to fluidly couple the third and fourth fluid inlets to the mixed flow outlet, a third flow on position in which the section of the elongate channel extends over the third inlet opening and the elongate channel bridges across the third fluid inlet opening and the mixed flow outlet opening to fluidly couple the third fluid inlet opening to the mixed flow outlet opening and does not bridge across the fourth flow inlet to the mixed flow outlet opening and a fourth flow on position in which the section of the elongate channel extends over the fourth inlet opening and the elongate channel bridges across the fourth inlet opening to the mixed flow outlet to fluidly couple the fourth inlet opening to the mixed flow outlet opening but does not bridge across the third inlet opening to the mixed flow outlet opening; and

wherein when the inner concentric disk is in the neutral flow position neither of the third and fourth inlet openings are fluidly coupled to the mixed flow outlet opening regardless of the rotational position of the fluid selector plate.

13. The multi-flow valve of claim 12 or the water dispenser of claim 12 wherein the mixed flow position includes a plurality of mixed flow positions

including a mixed flow-low volume position and a mixed flow-high volume position wherein when the inner concentric disk is in the mixed flow-high volume position a larger section of the elongate channel extends over those of the third and fourth inlet openings to which the inner concentric disk has been rotated to extend over than when the inner concentric disk is in the mixed flow-low volume position.

14. The multi-flow valve of claim 12 or the water dispenser of claim 12 wherein when the fluid selector is in the closed position the arcuate offset channel of the outer concentric disk bridges across the first outlet opening to the second outlet opening to fluidly couple the first outlet opening to the second outlet opening.

15. A water dispenser, comprising:

a faucet spout and a multi-flow valve;

the multi-flow valve including:

a valve housing in which a spindle, a fluid flow selector and an inlet/outlet plate are received and a surface plate affixed to a proximal end of the valve housing abutting a proximal side of the inlet/outlet plate, a distal side of the inlet/outlet plate abutting a proximal side of the fluid flow selector;

the inlet/outlet plate having first and second inlet openings and first and second outlet openings with the surface plate having corresponding inlet openings and outlet openings fluidly coupled to the corresponding first and second inlet openings and first and second outlet openings of the inlet/outlet plate;

the first outlet opening of the surface plate fluidly coupled to a first water outlet line of the faucet spout and the second outlet opening of the surface plate fluidly coupled to either the first water outlet line or a second water outlet line of the faucet spout;

the fluid flow selector having a fluid flow passage therein; and

the fluid flow selector rotatable with respect to the inlet/outlet plate among a plurality of rotational positions, the rotational positions including a closed position, a first open position and a second open position, the fluid

flow passage bridging across only the first inlet opening to the first outlet opening when the fluid flow selector is in the first open position to fluidly couple the first inlet opening to the first outlet opening, the fluid flow passage bridging across only the second inlet opening to the second outlet opening to fluidly couple the second inlet opening to the second outlet opening when the fluid flow selector is in the second open position, and the fluid flow passage not bridging across the first inlet to the first outlet and not bridging across the second inlet to the second outlet when the fluid flow selector is in the closed position.

16. The water dispenser of claim 15 wherein the fluid flow selector is a fluid flow selector plate and the fluid flow passage is an offset arcuate channel in the fluid flow selector plate that is offset from a center of the fluid flow selector plate and that lies in an arc in which the first and second inlet openings and the first and second outlet openings of the inlet/outlet plate are disposed.

17. The multi-flow valve of claim 8 or the water dispenser of claim 8 or 16 wherein the offset arcuate channel bridges across the first outlet opening to the second outlet opening to fluidly couple the first outlet opening to the second outlet opening when the fluid flow selector is in the closed position.

18. The multi-flow valve of claim 8 or the water dispenser of claim 8 or 15 including interchangeable orifices received in the inlet openings of the surface plate of the valve wherein the interchangeable orifices are sized to provide a desired flow rate of fluid.

19. The water dispenser of claim 17 wherein the first inlet opening of the surface plate is fluidly coupled to a hot tap water supply line and the second inlet opening of the surface plate is fluidly coupled to a cold tap water supply line.

20. The water dispenser of claim 15 wherein the first inlet opening of the surface plate is fluidly coupled to a source of conditioned water.

21. The water dispenser of claim 15 wherein the second inlet opening of the surface plate is fluidly coupled to a source of conditioned water.