

# Weirflex® 53 CSO



Red Valve Company, Inc.

## Electrically Adjustable Weir Valve for Combined Sewers



*\* Patent Applied*

The new Weirflex from Red Valve is designed specifically to meet the needs of stormwater and combined sewer systems. Acting as an adjustable weir, the valve is infinitely adjustable from a full-port opening to a 98% closure, allowing flow rates of incoming stormwater or discharged effluent to be controlled.

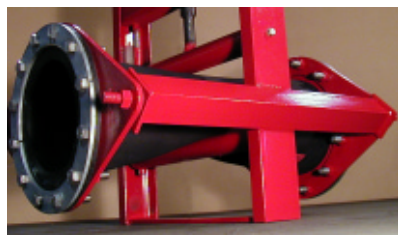
As part of the EPA's nine minimum controls, the Weirflex reduces stormwater surges and prevents flooding of treatment plants and exceeding their maximum capacity. Used as a flow regulator, the valve maximizes storage capacity within existing collection systems piping.

The heart of the Weirflex is a tough, elastomer sleeve, the only wetted part, that provides an unobstructed opening with no seats or crevices where debris can buildup causing the valve to bind. The operating mechanism is completely isolated from the storm-water, remaining unaffected by trash bags, twigs and other debris.

An electric motor actuator allows for remote control of the valve, and simplified operation on large-diameter lines. The motor raises the bottom pinch bar beneath the sleeve. This pinching action against the sleeve creates a weir that can easily be adjusted to suit the flow rate desired. The open-frame design of the Series 53 CSO provides a visual reference of valve position.



*In the open position, the Weirflex is full-ported with no obstructions*



*Throttling the Weirflex adjusts the level or flow rate of stormwater*

Valve Size	F to F Length	Width
12"	36"	35"
14"	42"	38"
16"	48"	37"
18"	54"	44"
20"	60"	50"
24"	72"	52"
30"	90"	65"
36"	100"	90"
42"	126"	105"
48"	140"	120"
60"	180"	150"
72"	200"	180"

# Weirflex® 70 CSO



Red Valve Company, Inc.®

## Manually Adjustable Weir Valve for Combined Sewers



*\* Patent Applied*

The new Weirflex from Red Valve is designed specifically to meet the needs of stormwater and combined sewer systems. Acting as an adjustable weir, the valve is infinitely adjustable from a full-port opening to a 98% closure, allowing flow rates of incoming stormwater or discharged effluent to be controlled.

As part of the EPA's nine minimum controls, the Weirflex reduces stormwater surges and prevents flooding of treatment plants and exceeding their maximum capacity. Used as a flow regulator, the valve maximizes storage capacity within existing collection systems piping.

The heart of the Weirflex is a tough, elastomer sleeve, the only wetted part, that provides an unobstructed opening with no seats or crevices where debris can buildup causing the valve to bind. The operating mechanism is completely isolated from the storm-water, remaining unaffected by trash bags, twigs and other debris.

Operation of the valve is simple: turning the handwheel raises the bottom pinch bar beneath the sleeve. This pinching action against the sleeve creates a weir that can easily be adjusted to suit the flow rate desired. The open-frame design of the Series 70 CSO and a position-indicator rod rising from the handwheel provide an easy visual reference of valve position.



*In the open position, the Weirflex is full-ported with no obstructions*



*Throttling the Weirflex adjusts the level or flow rate of stormwater*

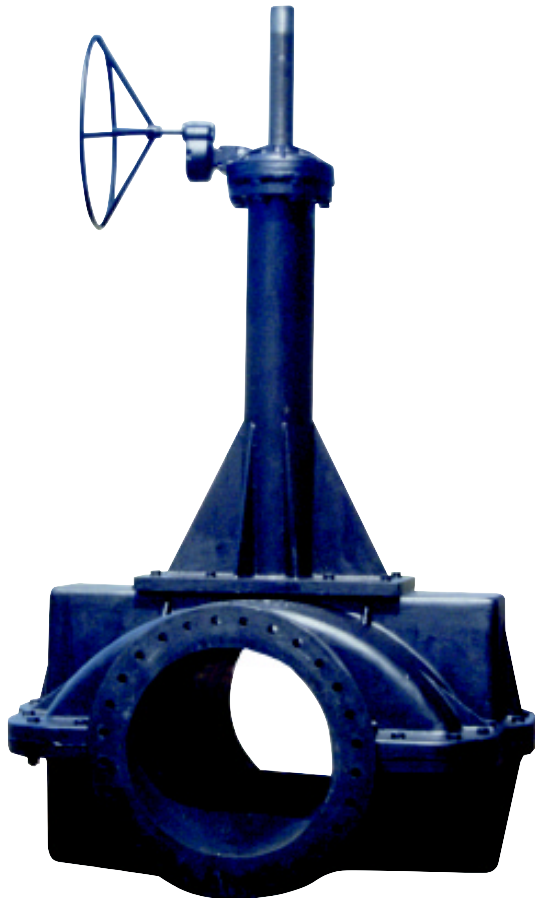
Valve Size	F to F Length	Width
12"	36"	35"
14"	42"	38"
16"	48"	37"
18"	54"	44"
20"	60"	50"
24"	72"	52"
30"	90"	65"
36"	100"	90"
42"	126"	105"
48"	140"	120"
60"	180"	150"
72"	200"	180"

# Weirflex® 75B CSO



Red Valve Company, Inc.

## Manually Adjustable Weir Valve for Combined Sewers



\* Patent Applied

The new Weirflex from Red Valve is designed specifically to meet the needs of stormwater and combined sewer systems. Acting as an adjustable weir, the valve is infinitely adjustable from a full-port opening to a 98% closure, allowing flow rates of incoming stormwater or discharged effluent to be controlled.

As part of the EPA's nine minimum controls, the Weirflex reduces stormwater surges and prevents flooding of treatment plants and exceeding their maximum capacity. Used as a flow regulator, the valve maximizes storage capacity within existing collection systems piping.

The heart of the Weirflex is a tough, elastomer sleeve, the only wetted part, that provides an unobstructed opening with no seats or crevices where debris can buildup causing the valve to bind. The operating mechanism is completely isolated from the storm-water, remaining unaffected by trash bags, twigs and other debris.

Operation of the valve is simple: turning the handwheel raises a pinch bar beneath the sleeve. The pinching action creates a weir that can easily be adjusted to suit the flow rate desired. A sealed body and stem extension make the 75B CSO ideal for direct buried service.



*In the open position, the Weirflex is full-ported with no obstructions*



*Throttling the Weirflex adjusts the level or flow rate of stormwater*

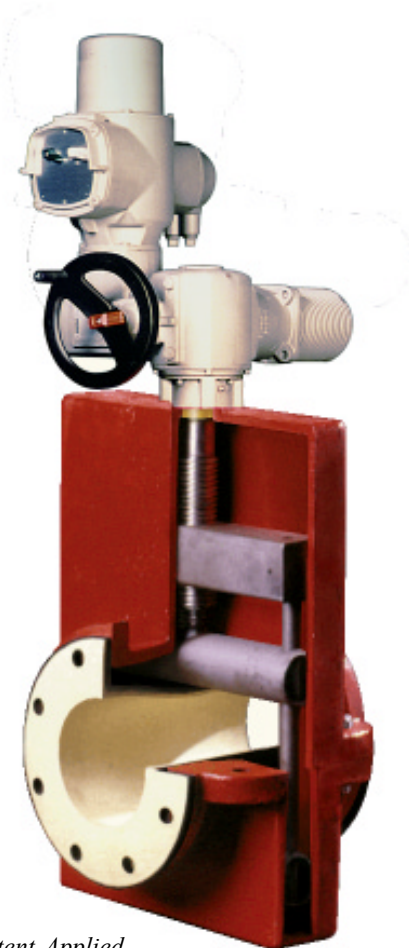
Valve Size	F to F Length	Width
12"	36"	35"
14"	42"	38"
16"	48"	37"
18"	54"	44"
20"	60"	50"
24"	72"	52"
30"	90"	65"
36"	100"	90"
42"	126"	105"
48"	140"	120"
60"	180"	150"
72"	200"	180"

# Weirflex® 75E CSO



Red Valve Company, Inc.®

## Electrically Adjustable Weir Valve for Combined Sewers



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As part of the EPA's nine minimum controls, the Weirflex reduces stormwater surges and prevents flooding of treatment plants and exceeding their maximum capacity. Used as a flow regulator, the valve maximizes storage capacity within existing collection systems piping.

The heart of the Weirflex is a tough, elastomer sleeve, the only wetted part, that provides an unobstructed opening with no seats or crevices where debris can buildup causing the valve to bind. The operating mechanism is completely isolated from the storm-water, remaining unaffected by trash bags, twigs and other debris.

An electric motor actuator allows for remote control of the valve, and simplified operation on large-diameter lines. The motor raises the bottom pinch bar beneath the sleeve. This pinching action against the sleeve creates a weir that can easily be adjusted to suit the flow rate desired. A standard 4~20 ma output signal provides position indication.



*In the open position, the Weirflex is full-ported with no obstructions*



*Throttling the Weirflex adjusts the level or flow rate of stormwater*

Valve Size	F to F Length	Width
12"	36"	35"
14"	42"	38"
16"	48"	37"
18"	54"	44"
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48"	140"	120"
60"	180"	150"
72"	200"	180"

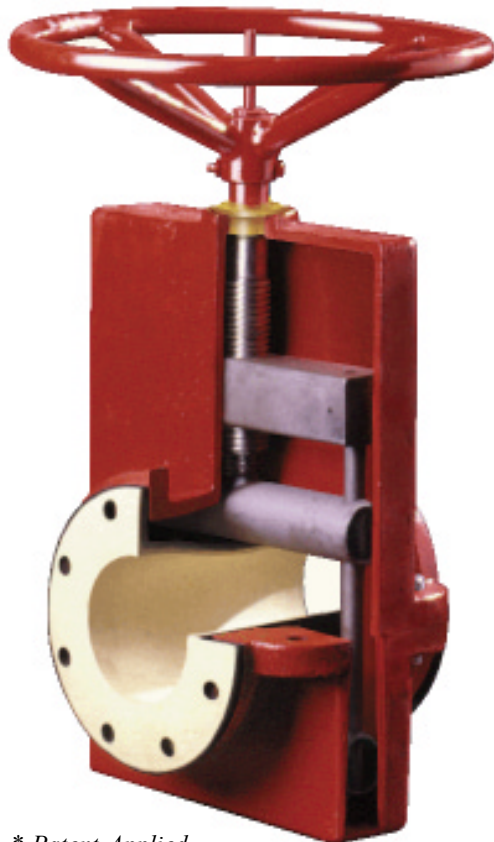


# Weirflex® 75 CSO



Red Valve Company, Inc.

## Manually Adjustable Weir Valve for Combined Sewers



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Operation of the valve is simple: turning the handwheel raises the bottom pinch bar beneath the sleeve. This pinching action against the sleeve creates a weir that can easily be adjusted to suit the flow rate desired. A position-indicator rod rising from the handwheel of the Series 75 CSO provides a visual reference of valve position.



*In the open position, the Weirflex is full-ported with no obstructions*



*Throttling the Weirflex adjusts the level or flow rate of stormwater*

Valve Size	F to F Length	Width
12"	36"	35"
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