Technical Support Sheet - Maintenance Manual

# Gillies Boundary Sewer Valve

WW12MM

The Gillies Boundary Sewer Valve (BSV) is a three in one combination valve designed for use as a connection point in low pressure sewer systems. Regular maintenance of the valve is required to ensure good performance.

## How to use the Flushing Port:

### Step 1

Turn the pump off at the property. Please use isolation protocol.

**Note:** *See Pump Station Manual*

### Step 2

Turn the isolation ball valve to closed position.

### Step 3

Using a wrench on the hex head of the "Sewer Flush Point" cap, remove the cap and o-ring above the check valve chamber.



### Step 4

Insert the stand pipe into the top of the valve. The connection is an 1¼" BSP female thread.

### Step 5

Turn the water pressure on from the water source.

**Important note:** *If a drinking water supply is used for flushing, a back flow preventer must be used in accordance with local council requirements.*

### Step 6

Turn the isolation ball valve to open position.

### Step 7

Valve is now flushing.

### Step 8

Turn the isolation ball valve to closed position.

### Step 9

Turn off the pressure from the water source.

### Step 10

Remove the stand pipe.

### Step 11

Ensure the cap thread and o-ring are lubricated and in the original position, and return the cap to the top of the chamber.

**Note:** *Use of a moly grease is recommended.*

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### Step 12

Using a wrench on the "Sewer Flush Point" cap, close the cap. Torque 15Nm.

### Step 13

Turn the isolation ball valve to the open position.

### Step 14

Turn the pump on at the property. The LPS system is now back in service.

## How to maintain the check valve flap:

### Step 1

Turn the pump off at the property. Please use isolation protocol.

**Note:** *See Pump Station Manual*

### Step 2

Turn the isolation ball valve to closed position.

### Step 3

Using a socket wrench on each of the four hex head bolts, remove the assembly of the flange, cap and o-ring above the check valve chamber.



### Step 4

Using long nose pliers, grip the flap hinge with swing check pin and lift the flap with pin out of the port. Beware that the swing check pin is loose and may fall out.



### Step 5

Check the rubber surface of the flap and hinge and remove any built up material from the surfaces.

### Step 6

Return the flap with hinge pin to the check valve chamber.

## Step 7

Ensure the spigot and o-ring are lubricated and in their original positions, and return the flange assembly to the top of the check valve chamber.

**Note:** *Use of a moly grease is recommended.*



## Step 8

Ensure that the four bolts and washers are in position above the flange. When replacing the flange, ensure orientation with the two lugs retaining the swing check pin. Use a good quality anti-seize compound to prevent galling.

**Note:** *Use of a moly grease is recommended.*



## Step 9

Using a socket wrench on the four hex head bolts, close the assembly of the flange above the check valve chamber. Tighten using cross torque technique. Torque the bolts to 20Nm.

### Step 10

Ensure the thread and the o-ring on the "Sewer Flush Point" cap are lubricated and in the original position. Return the cap to the top of the chamber and tighten firmly until the o-ring is compressed.

**Note:** *Use of a moly grease is recommended.*





### Step 11

Turn the isolation ball valve to the open position.

### Step 12

Turn the pump on at the property. The LPS system is now back in service.

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