

Size: 4" & 6"

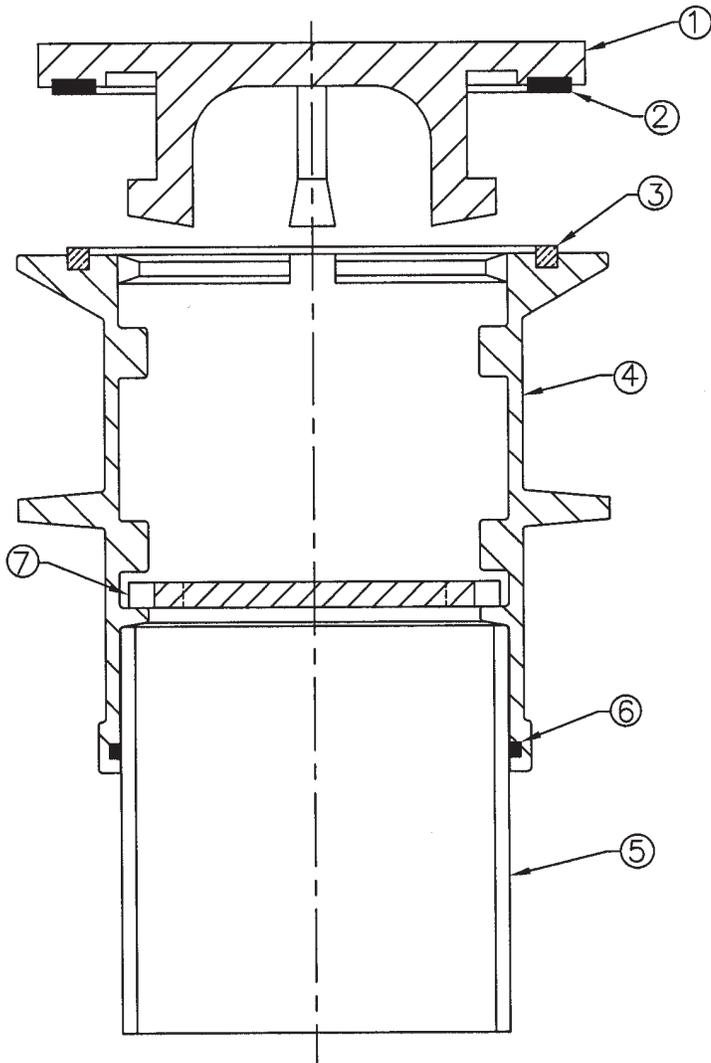
Figure No. F-1493-T

Body Length - "L" - Inches	4" x 8"	6" x 8"
Weight Complete - Pounds	30	42

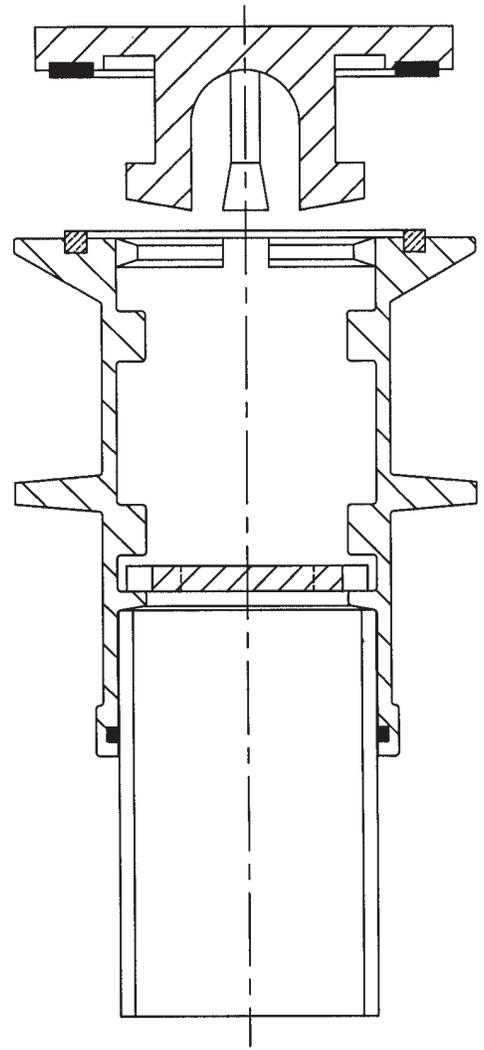
1. A RUBBER (BUNA-N) TO METAL SEAL IS ACCOMPLISHED WHEN THE COVER IS IN THE CLOSED POSITION, METAL FACE IS A MACHINED BRONZE SEAT.
2. GROUND WATER PRESSURE CANNOT SEPARATE COVER OR GRATE FROM BODY.
3. COVER AND GRATE CAN BE REMOVED BY TURNING TO RIGHT OR LEFT AND LIFTING OUT.
4. THE VALVE STARTS TO OPEN AT A HEAD OF APPROXIMATELY 9" OF WATER.
5. IN ORDER FOR THE F-1493-T FLOOR TYPE VALVE TO OPERATE CORRECTLY, IT MUST BE INSTALLED IN A VERTICAL POSITION.
6. THE 8" LONG CAST IRON BODY IS DESIGNED TO BE EXTENDED TO ANY LENGTH BY USING C900 PVC PIPE AND FIELD CUTTING TO DESIRED LENGTH.

FLOOR TYPE PRESSURE RELIEF VALVES
PARTS LIST

CLOW VALVE COMPANY



6" SIZE



4" SIZE

ITEM	DESCRIPTION	MATERIAL	
1	COVER	CAST IRON	A126B
2	SEAL	BUNA-N	50 DUR
3	SEAT	BRONZE	SAE660
4	BODY	CAST IRON	A126B
5	EXTENSION	P.V.C.	C900
6	O RING	BUNA-N	60 DUR
7	GRATE	CAST IRON	A126B

NOTE:

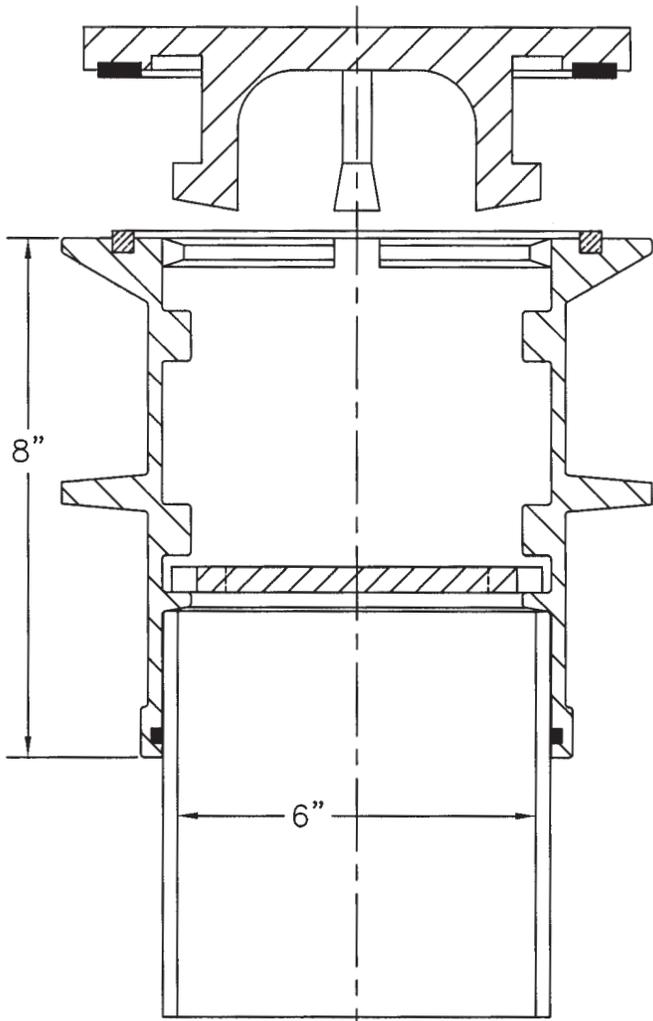
#5. P.V.C PIPE IS NOT SUPPLIED ON 8" LENGTH

#3. BRONZE SEAT IS PRESSED & SEALED INTO GROOVE

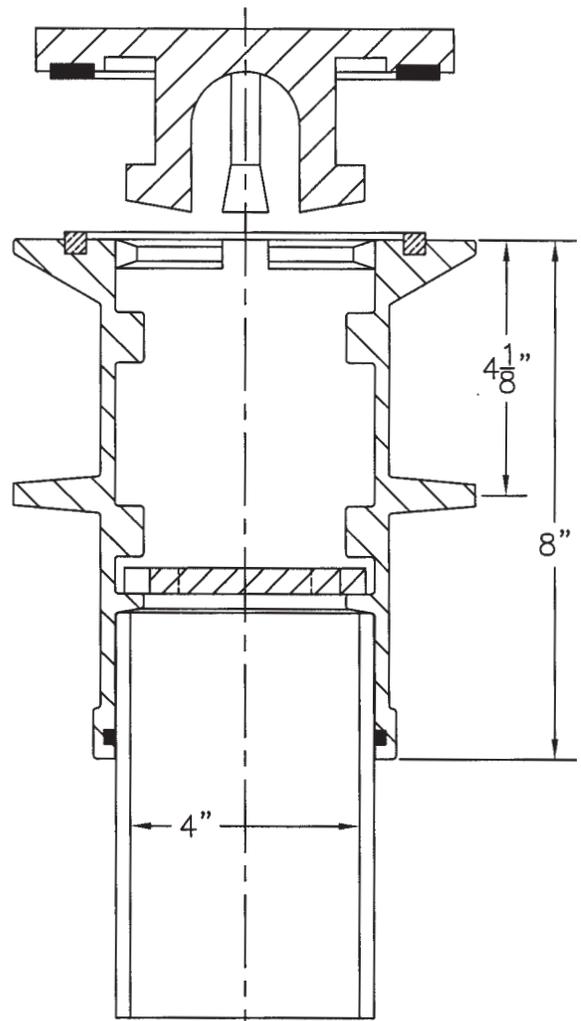
#7. GRATE SHOWN 45° OUT OF POSITION, SLOTS LINE UP W/RIBS TO ASSEMBLE ONLY

FLOOR TYPE PRESSURE RELIEF VALVES
DIMENSIONS

CLOW VALVE COMPANY



6" SIZE



4" SIZE

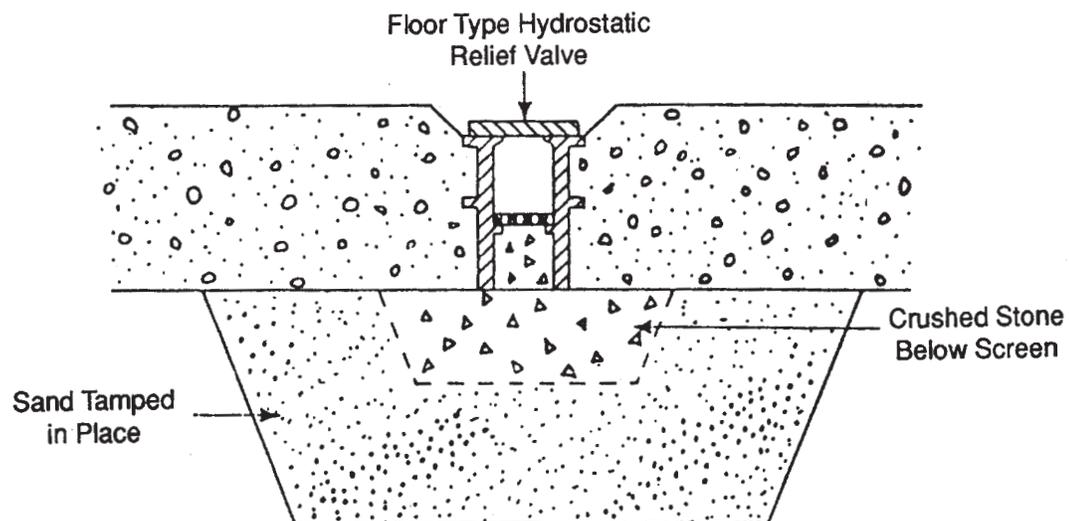
Specifications

Floor type hydrostatic pressure relief valve shall be designed for installing in the bottom of concrete tanks

The assembly shall consist of three parts: cover, body and grate. All three parts shall be of cast iron conforming to ASTM specifications A-126 Class B. They shall be designed so that neither the cover or grate can become separated from the body of the valve, due to groundwater pressure around the tank. However, when necessary, both may be easily removed by turning them to right or left to free them from locking lugs cast integrally on the inside of the body.

The seats shall be of BUNA-N rubber, bonded to the cover, mating with a machined bronze seat in the body.

Floor type pressure relief valves shall be as furnished by Clow valve (F-1493-T) or approved equal.



General; Inspect all valves at time of delivery for shipping damages and to confirm compliance with order. The valve should be protected from rough handling. Water and debris should not be allowed to collect in the valve.

Installation

- A. Check that the valve seating surfaces are clean.
- B. Remove any materials used to restrain the cover during shipment and storage.
- C. The cover should be checked to insure freedom of motion and that is properly retained in the body.
- D. The valve should be installed over a bed of crushed stone.
- E. The valve must be installed in the vertical position only to operate properly.

Operation

Once installed, the valve will operate as pressure conditions dictate. When outside water pressure builds up, exceeding the inside pressure, the valve will open and allow water to enter the tank to equalize pressure. When the pressure is relieved, the valve will close to prevent seepage of liquid out into the ground.

Maintenance

Frequency of inspection should be at least on an annual basis, or whenever valve is accessible. Remove the cover by turning it right or left and lifting out. Examine and clean seating surfaces. Remove any debris from inside of body. Remove and clean grate if necessary. Reassembly and insure proper operation and retention of cover.

Note;

**There are no recommended spare parts.
There are no lubrication requirements.**

CLOW WALL TYPE
PRESSURE RELIEF VALVE

CLOW VALVE COMPANY

F-1494-T

End Connections & Size

Flange: 4" & 6"

Figure No. F-1494-T

Accessories:

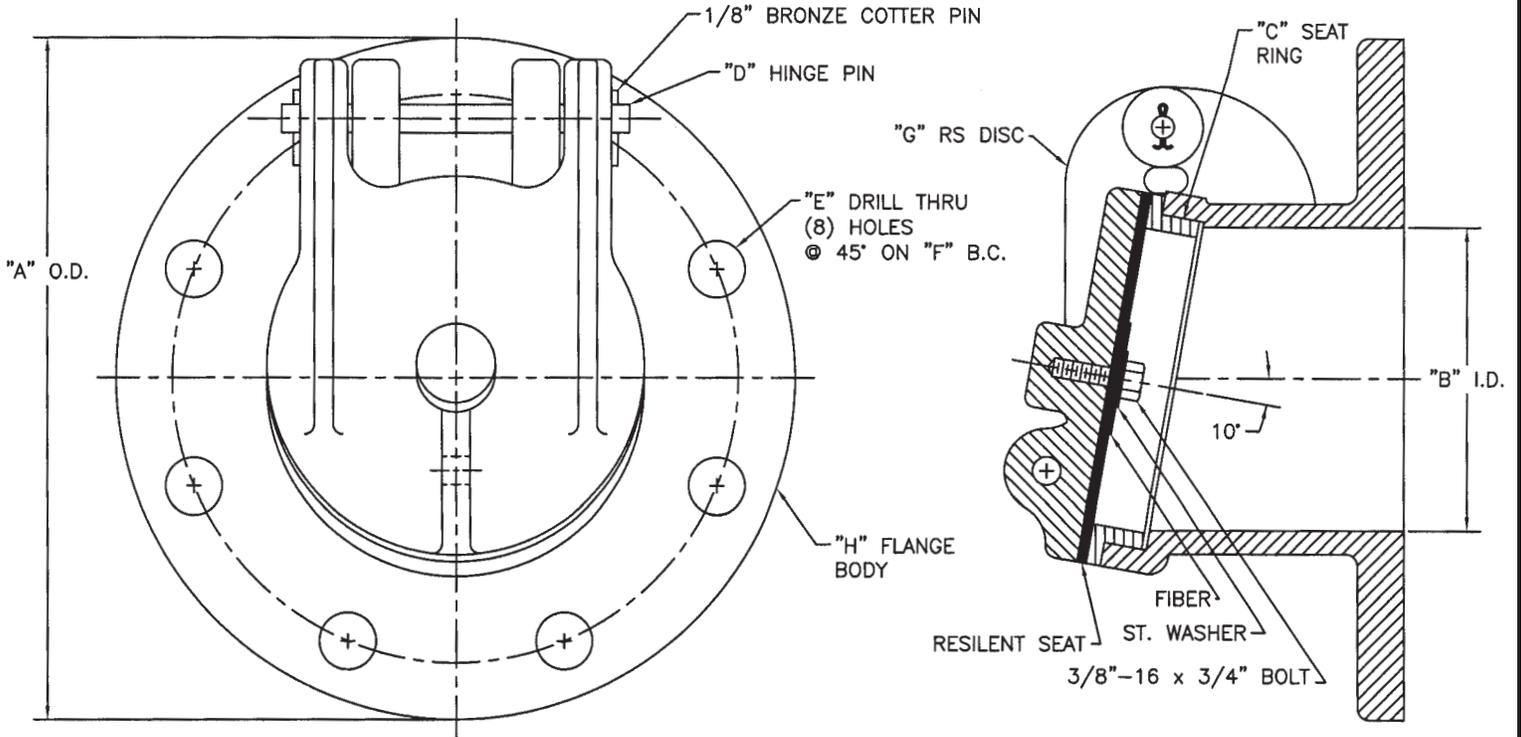
4" & 6" F-1496-T Wall Pipe with Grate

Wall Pipe Length (inches)	4" x 12"	6" x 12"
Approx. Weight - Pounds	35	47

NOTE: The 12" long cast iron wall thimble is designed to be extended to any length by using C900 pvc pipe and field cutting to desired length.

FLAP VALVE - WALL PRESSURE RELIEF
4" & 6" DIMENSIONS & PARTS

CLOW VALVE COMPANY

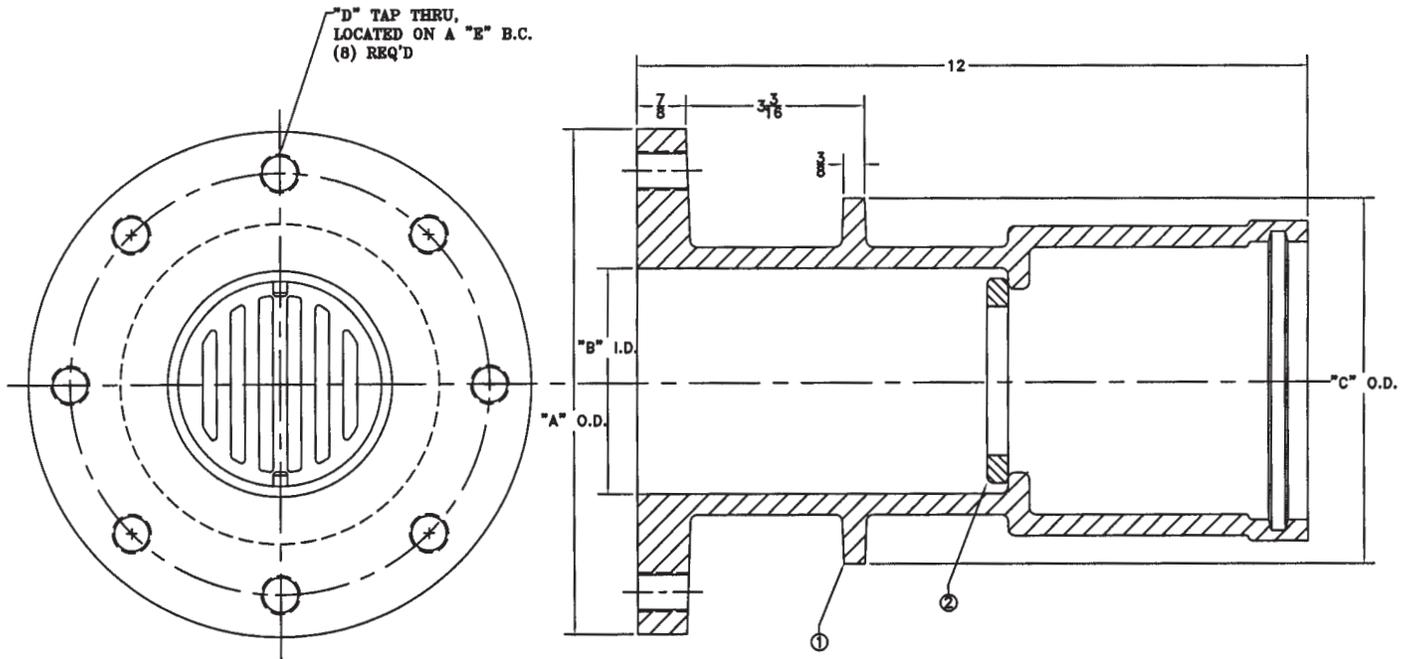


DIMENSIONS & PART NO.'s		
SIZE	4"	6"
A	9	11
B	4	6
C	155575	155577
D	177400	177426
E	3/4	7/8
F	7 1/2	9 1/2
G	177401	177412
H	177402	177409

WALL THIMBLE - PARTS LIST
AND DIMENSIONS

CLOW VALVE COMPANY

F-1496-T



DIMENSIONS		
SIZE	4"	6"
A	9.00	11.00
B	4.00	6.00
C	6.50	8.50
D	$\frac{5}{8}$ "-11UNC	$\frac{3}{4}$ "-10UNC
E	7.50	9.50

ITEM	DESCRIPTION	REQ'D	MATERIAL
1	WALL THIMBLE	1	CAST IRON A126B
2	GRATING	1	CAST IRON A126B

NOTE: CAN BE EXTENDED TO ANY
LENGTH BY USING C900 PVC

SUGGESTED SPECIFICATIONS
CLOW 4" WALL TYPE
PRESSURE RELIEF VALVES
CLOW VALVE COMPANY

Specifications

The wall type hydrostatic pressure relief valve shall be suitable for side wall installation in tanks and digesters.

The valve shall be of the 10° offset seat design with offset single pivoted hinge.

The flap gate and body shall be of cast iron conforming to ASTM specifications A-126 Class B.

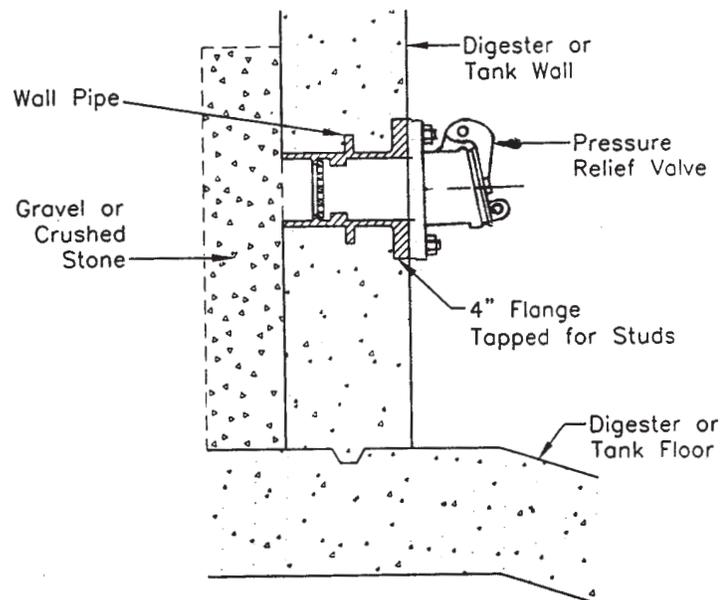
The body seat ring shall be furnished of bronze.

The hinge pin shall be furnished in stainless steel.

The gate shall have a neoprene rubber seat cemented and mechanically retained in place by a retainer plate.

The valve shall have a 4" or 6" flanged end faced and drilled to ANSI 125 pound template for connection to a 4" or 6" wall pipe.

Wall type pressure relief valves shall be as furnished by Clow Valve or approved equal.



General; Inspect all valves at time of delivery for shipping damage and to confirm compliance with order. The valve should be protected from rough handling. Water and debris should not be allowed to collect in the valve.

Installation

1. Check that valve ends joints are clean.
2. Remove any material used to restrain the gate during shipment and storage.
3. The gate should be checked to insure freedom of motion and proper operation.
4. When handling the valve, do not use the outside mechanisms for lifting.
5. Prepare mounting flange of wall thimble, that has been cast into wall of tank, as required. Install the valve as per appropriate instructions for the specified joint. Bolts holes should straddle the vertical centerline.

Operation

Once installed, the valve will operate as pressure conditions dictate. When outside water pressure builds up, exceeding the inside pressure, the valve will open and allow water to enter the tank to equalize pressure. When the pressure is relieved, the valve will close to prevent seepage of liquid out into the ground.

Maintenance

Frequency of inspection should be at least on an annual basis, or whenever valve is accessible. Joint should be visually inspected for leakage. Raise and lower the flap so pin can be checked for free operation. Exercise and lubricate the hinge/shaft pin (*with suitable lubricant) at least annually to assure free operation. Check rubber flap ring and seat ring for freedom from damage. Remove any debris found on inside of valve.

There are no recommended spare parts.

*Food grade grease similar to Mystik FG-2.