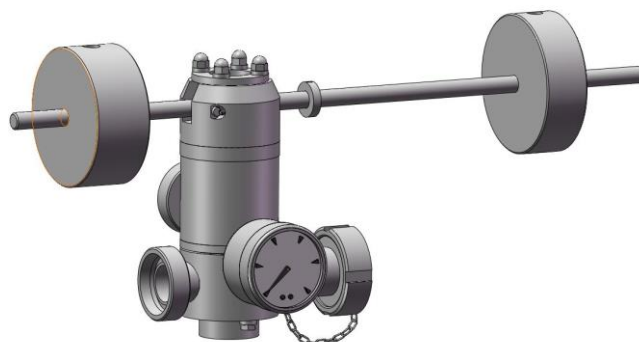




OPERATION

The bunging valve system is an element used to regulate pressure. It has a vacuum breaker valve in the lower part equal to the diameter of the system (This vacuum breaker valve does not fully protect the tank against depressuring). An arnite ball ensures sealing on contact with a lip seal. The pressure adjustment is via a sliding stainless steel weight on the lever. A counterweight is required when the pressure range is from 0 to any pressure. The system comes with a 63mm diameter stainless steel manometer. The bunging valve system can also be used as safety equipment if the weight is locked in a specific position.



PRECAUTIONS FOR USE

The system is designed to be used at temperatures of between +1°C and 80°C for the standard model (BOD__52). The all stainless steel model (BOD__62) supports temperatures up to 120°C. The operating pressure must not exceed 6 bars. If a loosening cylinder is used (BOX00053), do not mix when cleaning.

DIMENSIONS

Sizes

This bunging valve system is available in the following sizes:

- For SMS tubes: 25 mm (1"), 38mm (1.1/2").
- For DIN 11851 tubes: DN25, DN40.

DIN / SMS bunging valve system

Sizes	DN25	DN40
A	60	71
B	196	223
C	453	465
D	50	59
E	40	47
F	60	98
G	104	118

MAINTENANCE

The device must undergo periodic maintenance. The frequency of this depends on the service conditions and must be defined for each case. When servicing, the cleanliness of the ball must be checked. We recommend you change the gaskets regularly.

INSTALLATION

When unpacking the bunging valve system, make sure that you handle it with care. Prior to assembly, you must check that all the openings are free of any obstruction or packaging waste, and that the lever moves freely. The bunging valve system must be installed vertically.

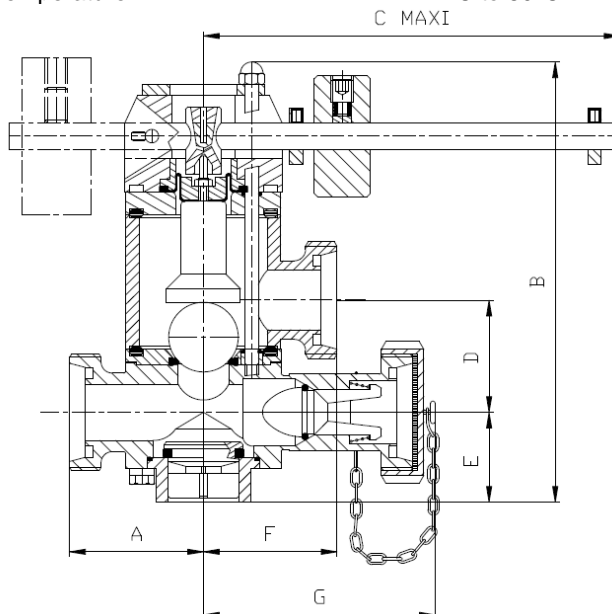
TECHNICAL DATA

Materials

Parts in contact with the product : 1.4404 (316L) stainless steel
 Other parts : 1.4301 (304) stainless steel
 Ball : Arnite
 Gaskets : EPDM

Specifications

Service pressure : 6 bars max.
 Temperature : +1°C to 80°C



Connect the collection chamber (can be rotated 360°) on a duct with no back pressure. When attaching the bunging valve system, do not force any of the connections. Make sure the lever operates correctly to check that the opening of the bunging valve is correct.

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Dismantling the bunging valve system

To dismantle the bunging valve system, proceed as follows:

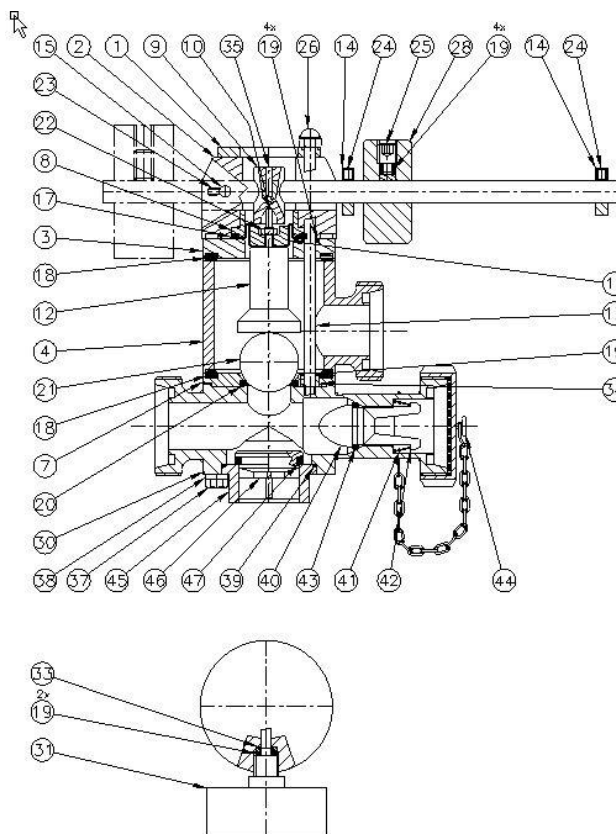
- Remove the nuts (Ref. 26).
- Remove the top plate (Ref. 1).
- Remove the head/lever/weights unit (Ref. 2 and 28) and the membrane press (Ref. 8).
- Remove the gaskets (Ref. 19).
- Remove the back plate / piston / plunger / membrane unit (Ref. 3, 11, 12 and 17).
- Hold down the plunger, loosen the nut (Ref. 22) on the tip (Ref. 10) in order to free the membrane (Ref. 17). (Caution: do not alter the installation of the tip in the plunger).
- Remove the upper gasket (Ref. 18).
- Remove the collection chamber (Ref. 4).
- Remove the ball (Ref. 21).
- Remove the lower gasket (Ref. 18).
- Remove the gasket plate (Ref. 7).
- Remove the gaskets (Ref. 19) and braces (Ref. 34) for a safety valve DN25.
- Remove the gasket (Ref. 16) for a safety valve DN40.
- Remove the gasket (Ref. 20).
- Remove the manometer (Ref. 31).
- Remove the gaskets (Ref. 19).
- Remove the gasket (Ref. 33).
- Remove the screws and washers (Ref. 37 and 38).
- Remove the nozzle (Ref. 45).
- Remove the gasket (Ref. 39).
- Remove the valve, gasket unit (Ref.46-47).
- Remove the valve, gasket, spring, ring unit (Ref.40-41-42-43).

Reassembling the bunging valve system

To reassemble the bunging valve system, proceed as follows:

- Install the braces and gaskets (Ref. 19 and 34) for a DN25.
- Install the gasket (Ref. 16) for a DN40.
- Install the gasket (Ref. 20) in the gasket plate (Ref. 7) and slide it all along the tie bars.
- Install the lower gasket (Ref. 18) and the ball (Ref. 21).
- Install the collection chamber (Ref. 4).
- Install the upper gasket (Ref. 18).
- Drill a 5 mm diameter hole in the new membrane (Ref. 17).
- Insert the plunger (Ref. 12) in the back plate (Ref. 3), install the membrane (cavass side away from the plunger) around the tip (Ref. 10), install the piston (Ref. 11) and tighten the nut (Ref. 22).

- Install this unit by sliding it along the tie bars.
- Install the gaskets (Ref. 19).
- Install the membrane press (Ref. 8).
- Install the head/lever/weights unit (Ref. 2 and 28) so that the tip pivot is centred on the tip.
- Install the upper plate (Ref. 1).
- Press the unit in vertically.
- Tighten the nuts (Ref. 26).
- Install the gasket (Ref. 33).
- Install the gaskets (Ref. 19).
- Install the manometer.
- Install the gasket (Ref.47) on the valve (Ref.46).
- Install this unit in the nozzle (Ref.45).
- Install the gasket (Ref.40) and remount the nozzle using the screws (Ref.37 and 38).
- Install the gasket (Ref.43) on the valve (Ref.40).
- Put this unit in the nozzle (Ref.30) with the spring and the ring (Ref.41 and 42).
- We recommend you operate the lever to check that the opening of the bunging system is correct.



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