

20mm Water Tank Fill Valve

Instructions for use

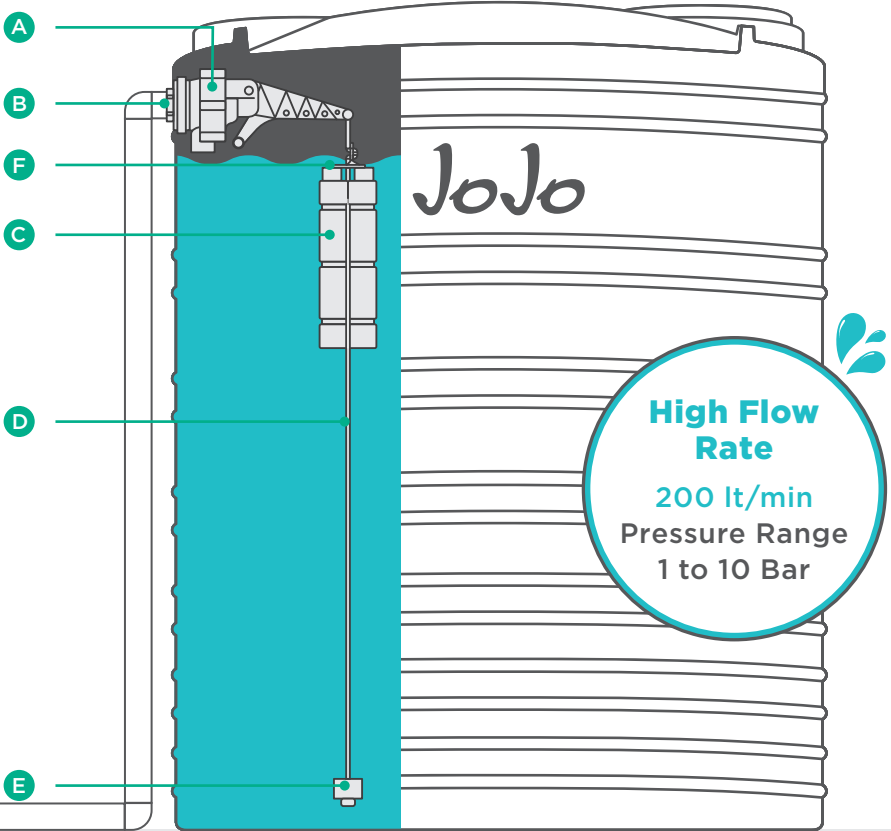
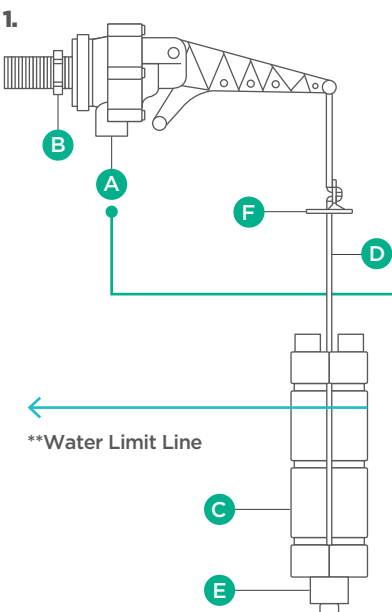
- ✓ Adjustable to levels ranging from 50mm to 2.5m
- ✓ Ideal for municipal and pump fed backup water storage tanks
- ✓ Reduces pump run time and start/stop operations

WHAT'S IN THE BOX?

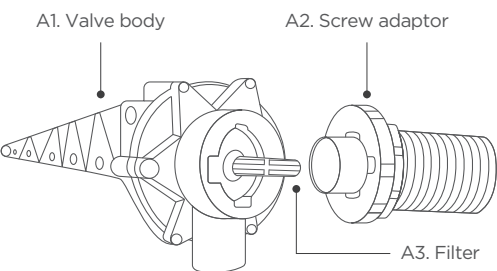
1. 20mm Water Tank Fill Valve complete with:

- A** Fill valve
- B** Lock nut
- C** Plastic floater
- D** 2.5m cord
- E** Minimum level stopper
- F** Maximum level stopper

2. 40/20mm Reducer *

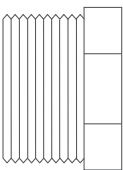


Fill valve's buckle-joint feature



Refer to the maintenance instructions for more detail on when to utilise this feature.

2.



***Note:** A 40/20mm reducer is included with this kit for seamless connection to your 40mm JoJo tank inlet.

INSTALLATION AND USAGE GUIDELINES

i Important: Avoid installing the valve directly next to an overflow outlet or any possible obstruction.

Pre-installation

We recommend installing this valve at your tank's inlet.

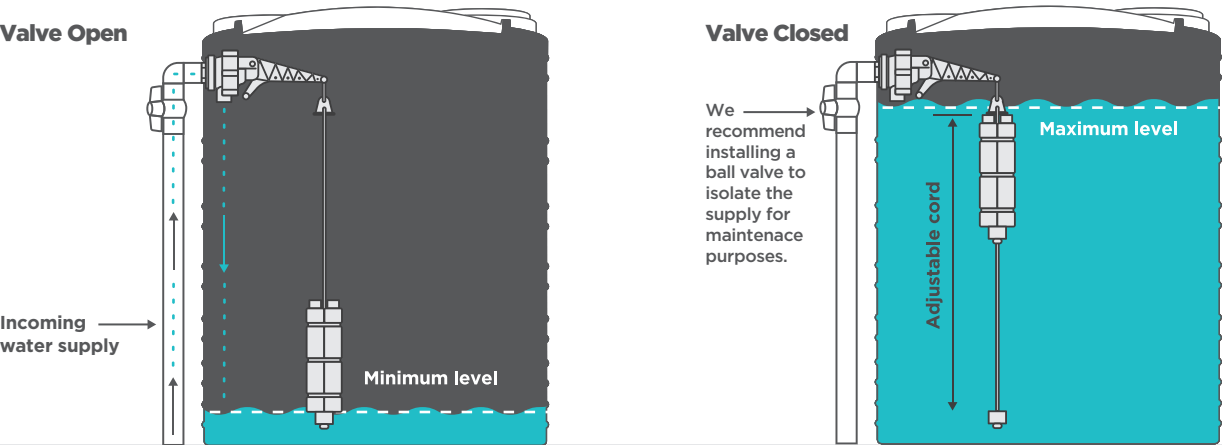
Make sure the incoming pipeline is clear of any debris, this unit is suited for clean water use only.

Installation

- 01** Remove the lock nut (B) from the fill valve's (A) inlet thread. When fitting the fill valve to the 40/20mm reducer (2) provided in this kit, the lock nut won't be required.
- 02** Apply thread tape to the 40/20mm reducer (2) and fit it to the inside of the tank's 40mm inlet.
- 03** Fit the valve (A) to the 40/20mm reducer with its outlet pointing downwards and apply thread tape to the valve's inlet thread.
- 04** Fill both floats (D) with water up to the *water limit line*.** **Important:** For proper buoyancy and accurate operation, each float must be filled precisely to the indicated water limit line.
- 05** Position the minimum level stopper (E) at your desired *VALVE OPEN* level, then tie off the cord at the end of the valve's arm.
Note: For easier adjustments, we recommend using the double-hole end loop system to allow for tying off as needed.
- 06** Ensure that the float (D) is free to move between the minimum (E) and maximum (F) level stoppers. Then, set the maximum level stopper (F) at the desired *VALVE CLOSED* position.
- 07** Once you're satisfied with the calibration, either trim any excess cord or neatly tuck it aside to prevent tangling within the valve. **Note:** Leaving extra cord allows for easy adjustments if needed.

Note: If the pressure in the supply line drops below 1 Bar due to supply restrictions or possible leaks, the fill valve may open before the float reaches the minimum level stopper. To prevent this, we recommend installing a non-return valve before the fill valve to maintain a minimum water pressure of 1 Bar after shut off.

OPERATION



MAINTENANCE

Cleaning the Fill Valve

Over time, the filter inside the fill valve may accumulate dirt and will need to be removed and cleaned. To make this easier, the valve has a buckle-joint feature that allows you to disengage and re-engage the valve without having to disconnect the plumbing.

Refer to the "What's in the Box" diagram for details on the location of each component mentioned in the instructions below.

- 01** Switch off the supply to the fill valve (A).
- 02** Remove the fill valve body (A1) from the screw adaptor (A2) by turning it 90 degrees anti-clockwise.
- 03** Pull out the filter (A3), rinse it and reinsert it.
- 04** Reinsert the fill valve body (A1) to the screw adaptor (A2).