



Partfill

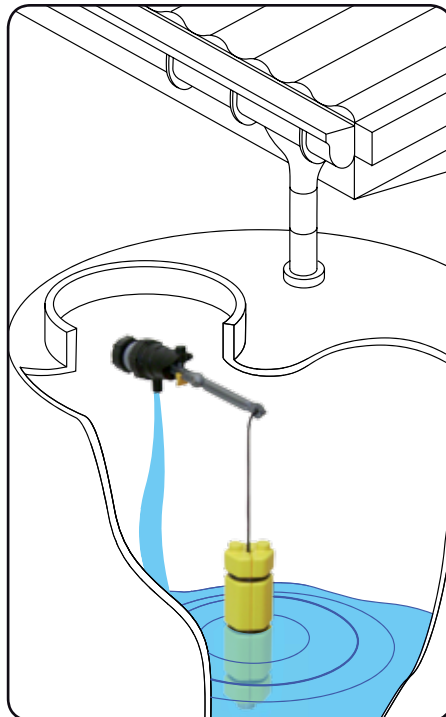
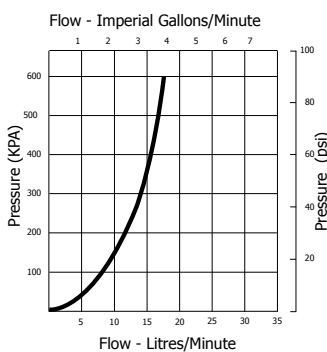
Description

RoJo Part Fill is a low flow valve intended for use in rain water harvesting tanks. The purpose of the float valve is to automatically maintain a low level of water in the tank during periods of no or low rainfall. This allows services fed by the tank to continue while leaving capacity in the tank for refilling by the next rain.

Applications

- Maintaining water levels in:
- Rain water harvesting tanks
 - Water cisterns
 - Irrigation and process applications.

Flow Graph



Outline of Operation

- The valve is installed through the side wall of a storage tank. It should be mounted above the overflow level of the tank to prevent backflow.
- As the tank empties the weighted float travels down the cord and sits on the bottom stop to activate the valve.
- The valve will run until the weighted float lifts clear of the bottom stop.
- The float will then rise as rainwater fills the tank and falls as the tank water is used.
- The valve will only function at times when rain fall is insufficient to maintain a water level in the tank above the bottom stop.
- The use of a flow restrictor before the valve will not cause the valve to malfunction.

Features

- Ideal for use with all makes and models of rain water harvesting tanks
- Compatible with trickle flow restrictors
- Compact
- Constructed from non corroding materials
- Built in non return valve
- Valve can be locked in off position using the lock off switch

Available Inlet Sizes

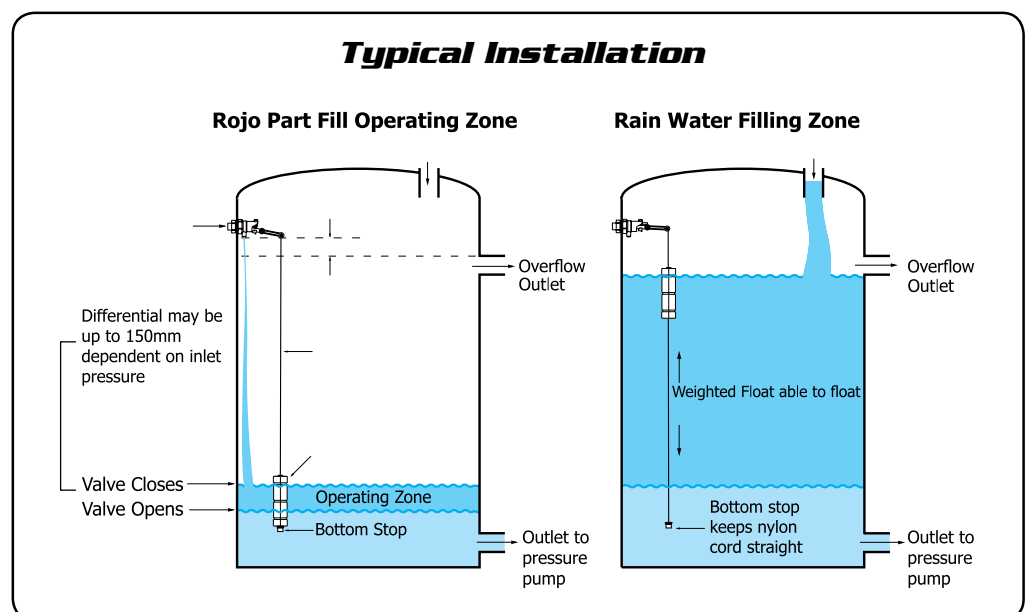
15mm (1/2")
20mm (3/4")

All supplied with long tail thread with back nut.

Pressure Range

0 – 10 Bar (0 -150 psi)

Typical Installation



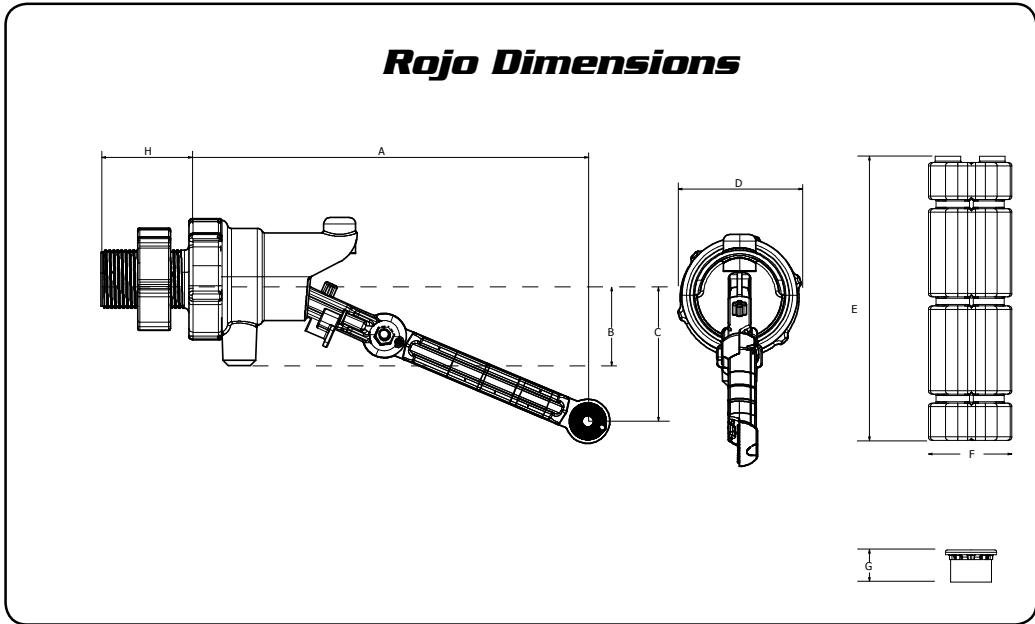
Note: Keep overflow, rain water inlet and outlet to pressure pump as far away from the float valve as possible.

ROJO PARTFILL

DIMENSIONS & MATERIALS



Partfill



| Rojo Dimensions | | |
|------------------------|-----|--------|
| | mm | inches |
| A | 210 | 8 1/4 |
| B | 40 | 1 9/16 |
| C | 59 | 2 5/16 |
| D | 56 | 2 3/16 |
| E | 208 | 8 3/16 |
| F | 62 | 2 7/16 |
| G | 20 | 12/16 |
| H | 38 | 1 1/2 |

| Materials | |
|--|---------------------|
| Valve Body Tail & Nut | ABS |
| Arm Extension Arms Internal Grey Mouldings | Glass Filled Nylon |
| Yellow Valve Parts Filter | Acetal |
| Float | HDPE |
| Springs Bolts Nuts | 304 Stainless Steel |
| O' Rings | Nitrile |
| Float Cord | Polyester |

Maximum Temperature of Operation 45°C, 115°F

ROJO PARTFILL

PARTS IDENTIFICATION SHEET



Partfill



| CODE | DESCRIPTION |
|------|---|
| 1 | RJPP1 Float Assembly |
| 2 | RJPP2 Body Assembly |
| 3 | RJPP3 Inner Cartridge Assy (PF) |
| 4 | RJP415 15mm (1/2") Tail Assy |
| | RJP420 20mm (3/4") Tail Assy |
| | RJP420E 20mm (3/4") Ezi Start Tail Assy |

| CODE | DESCRIPTION |
|------|----------------------------------|
| 1 | RJPP1010 Bottom Stop (PF) |
| 2 | RJPP1020 Weighted Float (PF) |
| 3 | RJPP1030 Cord (PF) |
| 4 | RJPP1040 Rojo Part Fill Long Arm |

| CODE | DESCRIPTION |
|------|-------------------------|
| 1 | RJP2010 Lock-Off Switch |
| 2 | RJP2030 Body |
| 3 | RJPP2041 Arm Assy Grey |
| 4 | RJPP2051 Retainer Grey |

| CODE | DESCRIPTION |
|------|------------------------------------|
| 1 | RJPP3011 Inner Cartridge Part Fill |
| 2 | RJP3020 Filter |

| CODE | DESCRIPTION |
|------|------------------------------------|
| 1 | RJP4010 15mm (1/2") Tail |
| | RJP4011 20mm (3/4") Tail |
| | RJP4012 20mm (3/4") Tail Ezi Start |
| 2 | RJP4020 15mm Seal Washer |
| | RJP4021 20mm Seal Washer |
| 3 | RJP4030 15mm (1/2") Backing Nut |
| | RJP4131 20mm (3/4") Backing Nut |