

# PUBCO

## **EXPOSED DUAL-FLUSH VALVE MODEL B1-DF**



**W** WaterMark Level 1 WMKA00335

WELS Licence No.0098

1 star, 3 star or 4 star configurations.

Flushing valves for tank fed, independent, flusherette systems. This valve is manufactured in Australia and has been designed to provide many years of reliable operation. It is made from best quality materials with few replacement parts required. The valve castings are all bronze and the working brass components are DR brass. The valve is available with a number of different button sizes and handle configurations.

## **SPECIFICATIONS**

**PRESSURE** 30 to 300 kPa static pressure.

Pipe sizing must be adequate to provide a minimum flow pressure of 24 kPa and must be verified by qualified designers.

### **INLET AND OUTLET CONNECTIONS (40mm nom.)**

Inlet thread is 1 ½ inch BSP female and outlet is 1 ½ inch BSP male with compression rubber seal for sealing 1 ½ inch tubing.

Adjustable coupling with the stop valve to give a centre distance of 127 mm +/- 10 mm.



### **BUTTONS**

Buttons are available in different sizes. The marking on the “half flush” button can be a impressed symbol or an inserted badge marked “HALF FLUSH” on a larger button.

The full flush can be operated by a handle in the current position, parallel with the wall, or a larger button can be positioned here as an option.

The larger or inserted buttons are an extra cost.

## **VOLUME**

Volume is adjustable on the dual flush valves but are factory set at the specified volume.

The pipework must have a 1 ½ inch( 40 mm nom.) feed line to the valve and the reticulation pipework must be of sufficient size to provide a minimum flow rate of 1.3 litres per second for a 3.0 / 6.0 or 3.0 / 4.5 litre pan, allowing for simultaneous use.

The Pubco dual flush valve is available in volume adjustments of:

4.5 / 9.0 litre	1 star WELS rating
3.0 / 6.0 litre	3 star WELS rating
3.0 / 4.5 litre	4 star WELS rating

## **RETRO-FITTING**

The valve can be fitted to existing flusherette systems with older 9 or 11 litre pans where the flow rate must be 1.4 litres / sec minimum allowing for simultaneous use. In older installations the pipe work was usually correctly designed and these considerations usually only apply in the lowest pressure area of the building. On the older pans, a 4.5 / 9.0 litre flush is suitable and will, according to the rating guidelines, result in a 40% reduction in average flush volume (on a 9 litre pan) to 5.4 litres.

The new dual flush valve can be fitted to existing Pubco stop valves and no pipe modifications are necessary. The stop valve spindle should be serviced or replaced. The new dual flush valve and stop valve can generally be fitted to other flusherette valve installations without pipe modification. A new flush pipe of correct dimension will generally need to be used. The horizontal offset of the stop valve and flush valve will need to be checked against our standard model. Wider offsets are available if specially ordered.

## **MAINTENANCE**

All parts of the valve, except for the new buttons, remain identical to the existing Pubco valve and this is an advantage for servicing needs.

All parts are available to purchase or Pubco can service any part in our premises.

## **WARRANTY**

The Pubco flush valve is guaranteed against manufacturing or material defects for a period of 2 years. This is a conditional warranty. Please contact Pubco for full details.

## **PUBCO PRODUCTS AND ENGINEERING**

3A SOUTH ST,

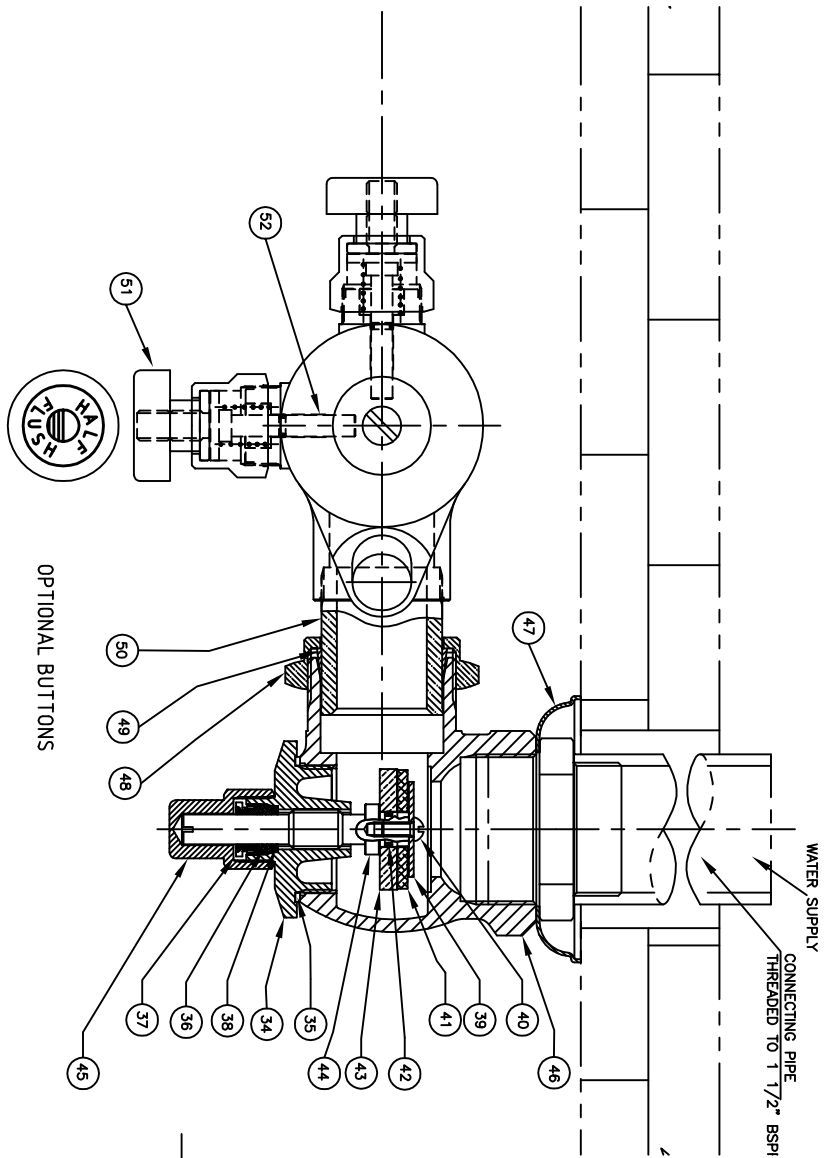
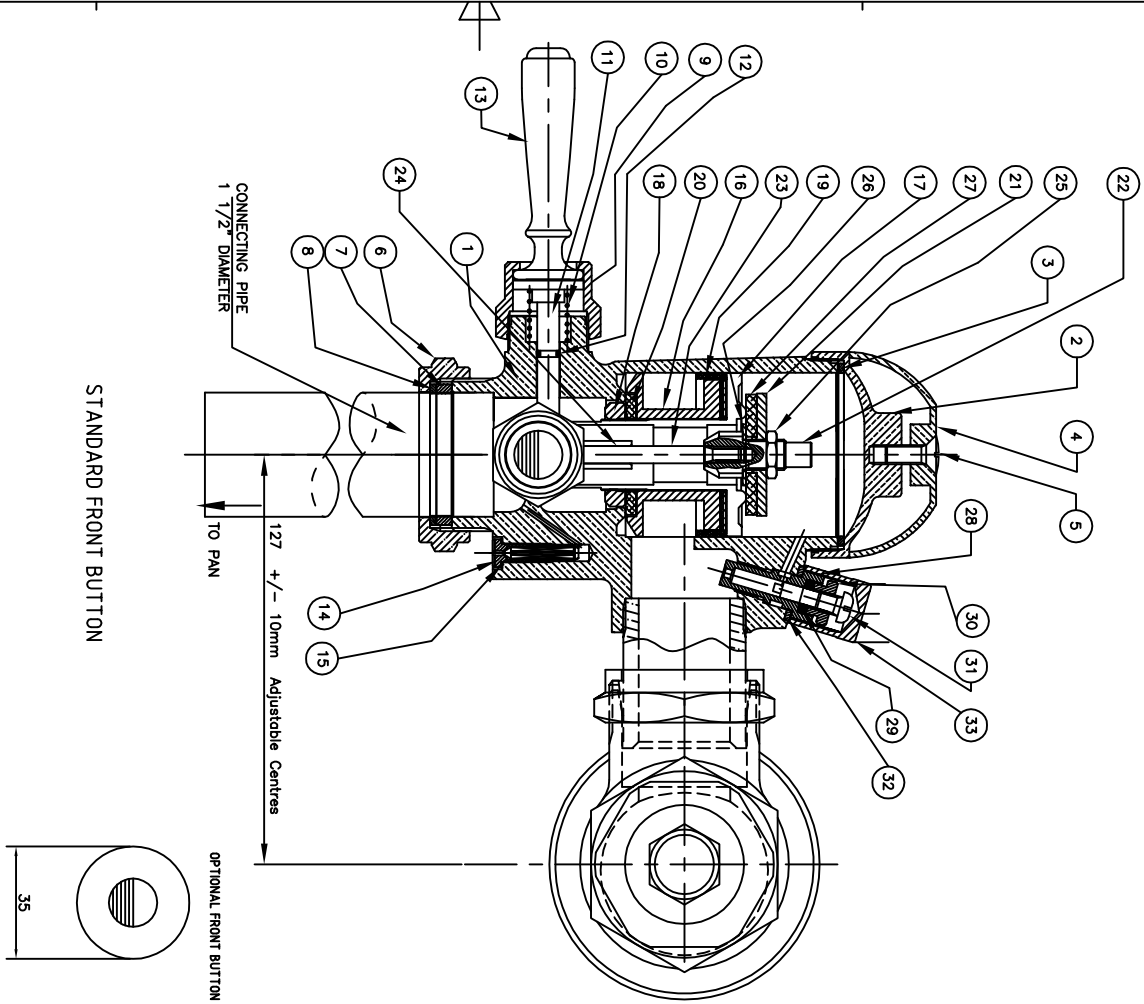
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Item No	Qty	Part No	Description
1	1	250-01-B1	FLUSH VALVE BODY
2	1	250-02B	C:P FLUSH VALVE CAP – MODEL B1
3	1	250-03	FLUSH VALVE CAP WASHER
4	1	250-04	C:P FLUSH CAP COVER DOME
5	1	250-05	C:P BUFFER CAP SCREW
6	1	250-07B	C:P FLUSH PIPE COUPLING NUT-MODEL B1
7	1	250-08	RUBBER WASHER FOR COUPLING NUT
8	1	250-09	COUPLING NUT WASHER
9	1	250-11	OPERATING HANDLE NUT
10	1	250-13	OPERATING STEM SPRING
11	1	250-14	OPERATING STEM – O RING TYPE
12	1	250-14A	O RING – BS008 – NITRILE RUBBER
13	1	250-10	OPERATING HANDLE
14	1	250-16A	AIR VALVE COMPLETE ASSEMBLY
15	1	250-17	FIBRE WASHER FOR AIR VALVE
16	1	250-18	MAIN VALVE BODY
17	1	250-19	MAIN VALVE STEM
18	1	250-21	MAIN VALVE BODY BRASS NUT
19	1	250-22	BUCKET WASHER
20	1	250-23	MAIN VALVE BODY RUBBER WASHER
21	1	250-24	AUXILIARY VALVE PLATE
22	1	250-25	AUXILIARY VALVE GUIDE
23	1	250-26	AUXILIARY VALVE STEM
24	1	250-27	AUXILIARY VALVE SLEEVE
25	1	250-28	AUXILIARY VALVE LOCK NUT
26	1	250-29A	AUXILIARY VALVE STAINLESS STEEL WASHER
27	1	250-30	AUXILIARY VALVE RUBBER WASHER

Item No	Qty	Part No	Description
28	1	250-31A	ADJUSTING VALVE BODY
29	1	250-32A	ADJUSTING VALVE GRAPHITE PACKING
30	1	250-32	ADJUSTING VALVE GLAND NUT
31	1	250-33	ADJUSTING VALVE SCREW
32	1	250-35	ADJUSTING VALVE WASHER
33	1	250-36	C:P ADJUSTING VALVE CAP
34	1	250-38B	STOP COCK CAP – B1
35	1	250-39	STOP COCK CAP WASHER
36	1	250-41A	STOP COCK GRAPHITE PACKING
37	1	250-41	STOP COCK PACKING GLAND
38	1	250-42	STOP COCK PACKING GLAND WASHER
39	1	250-43	STOP COCK STAINLESS STEEL WASHER
40	1	250-44	SS SCREW-3/16"x3/8" LG WHITWORTH
41	1	250-45	STOP COCK VALVE RUBBER WASHER
42	1	250-120	O RING – BS011 – NITRILE RUBBER
43	1	250-117	STOP COCK VALVE STEM PLATE
44	1	250-116B	STOP COCK STEM
45	1	250-46	C:P CAP FOR STOP COCK STEM
46	1	250-96	ADJUSTABLE CENTRE STOP COCK BODY
47	1	250-47	C:P ESCUTCHEON PLATE FOR STOP COCK
48	1	250-51B	C:P STOP COCK COUPLING NUT – B1
49	1	250-52A/52B	COMPRESSION RING
50	1	250-113	ADJUSTABLE CENTRE NIPPLE
51	1	250-153	DUAL FLUSH BUTTON – LARGE
52	1	250-14 DF	OPERATING STEM DUAL FLUSH