

# Declaration of Conformity (DoC) – AUK1

1. **Product** : Dolphin Flushing Cisterns – DB550x + DB551x + DB552x



2. **Contact:**

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3. **Test requirements:**

Standard EN14055 - Type testing for class 2 products		
Characteristic to be tested	Clauses of this European Standard	Result
Inlet valve	6.1 - 6.10.1	PASS
Backflow prevention	6.2	PASS
Marking	6.3	PASS
Warning pipe and overflow provision	6.4 - 6.10.2	PASS
Flush volume(s)	6.5 - 6.10.3	PASS
Flush rate	6.6 - 6.10.4	PASS
Flushing device: physical endurance and leakage	6.7 - 6.10.5	PASS
Flushing device: chemical endurance	6.8 - 6.10.6	PASS
<b>General Resume:</b> Dolphin Flushing Cisterns DB550x + DB551x + DB552x are all compliant with EN14055		

#### 4. Flush Volumes, Flow rates, Warning pipe and overflow provision:

Model	Pipe	Flush volumes	Flush Rate	Dist. waterlevel to overflow	Overflow efficiency 10bar
DB550x MEC-PNEU	L360-D45 (articulate)	FF= 5.790L	FF= 2.83 l/s	31mm	Max=11.4mm - Critical Level=4.1mm
		RF= 3.210L	RF= 3.00 l/s		
	L165-D45	FF= 5.970L	FF= 2.41 l/s	32mm	
		RF= 3.200L	RF= 2.46 l/s		
DB552x CABLE	L315-D45 (1130)	FF= 5.936L	FF= 2.35 l/s	29.7mm	Max=9.3mm - Critical Level=4.8mm
		RF= 3.276L	RF= 2.13 l/s		
	L120-D45 (880)	FF= 5.710L	FF= 2.23 l/s	28.5mm	
		RF= 3.300L	RF= 2.41 l/s		
	L60-D45 (820)	FF= 5.710L	FF= 2.12 l/s	28.5mm	
		RF= 3.300L	RF= 2.33 l/s		
DB552x MEC-PNEU	L315-D45 (1130)	FF= 5.540L	FF= 2.42 l/s	31mm	Max=7.9mm - Critical Level=3.2mm
		RF= 3.450L	RF= 2.36 l/s		
	L120-D45 (880)	FF= 5.370L	FF= 2.24 l/s	31mm	
		RF= 3.460L	RF= 2.47 l/s		
	L60-D45 (820)	FF= 5.370L	FF= 2.03 l/s	31mm	
		RF= 3.460L	RF= 2.28 l/s		
DB551x MEC-PNEU	L260-D45	FF= 5.440L	FF= 2.32 l/s	29mm	Max=6.5mm - Critical Level=1.6mm
		RF= 3.140L	RF= 2.30 l/s		

Tests made on 02, 03 and 06 of April 2020

FF – is full flush

RD – is reduced flush

#### 5. AUK 1 - Evidence of compliance

a) Type AUK1 air gap:

The Type AG air gap being a non-mechanical arrangement providing a visible, unobstructed and complete physical air break between the lowest level of water discharge and the critical water level within a cistern:

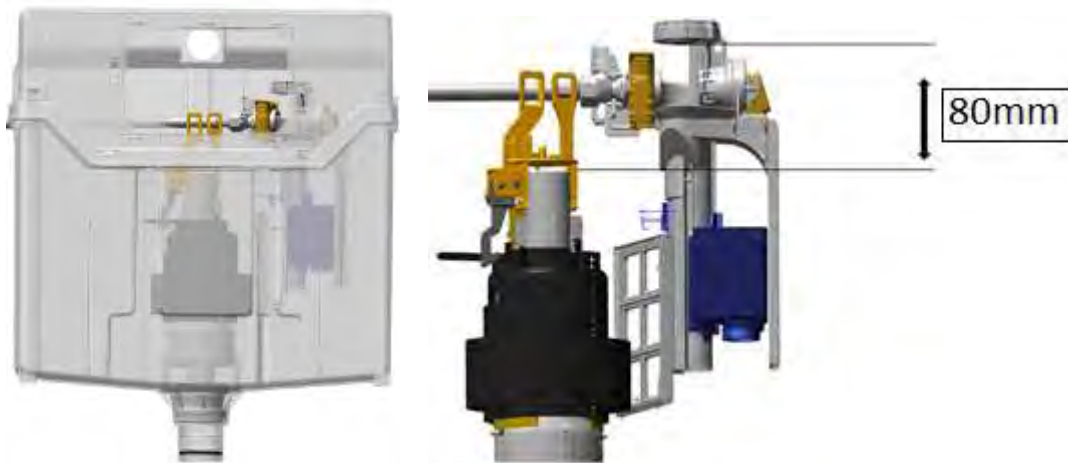
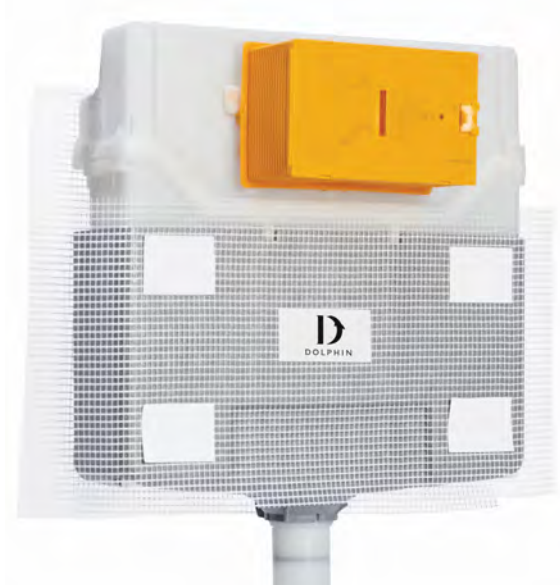
- is not less than 20 mm or twice the internal diameter of the inlet pipe whichever is the greater; and
- from which water discharges at not more than 15° from the vertical centerline of the water stream.

**Model - DB550x**



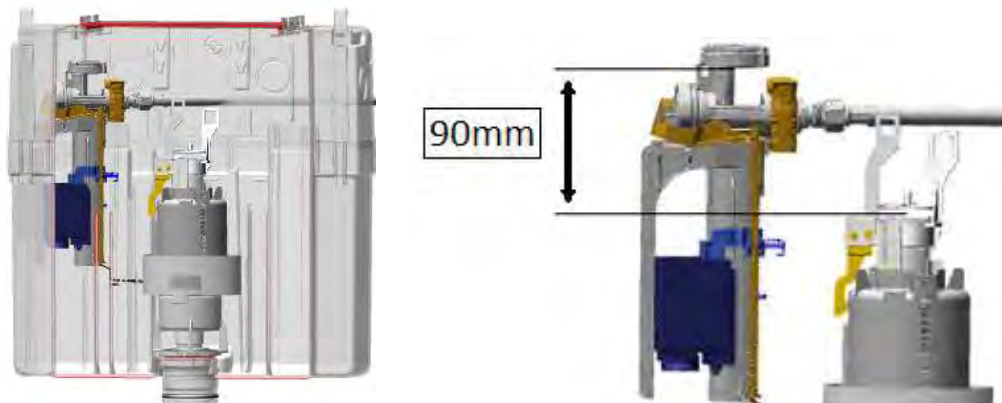
**Result: Approved**

**Model – DB551x**



**Result:** Approved

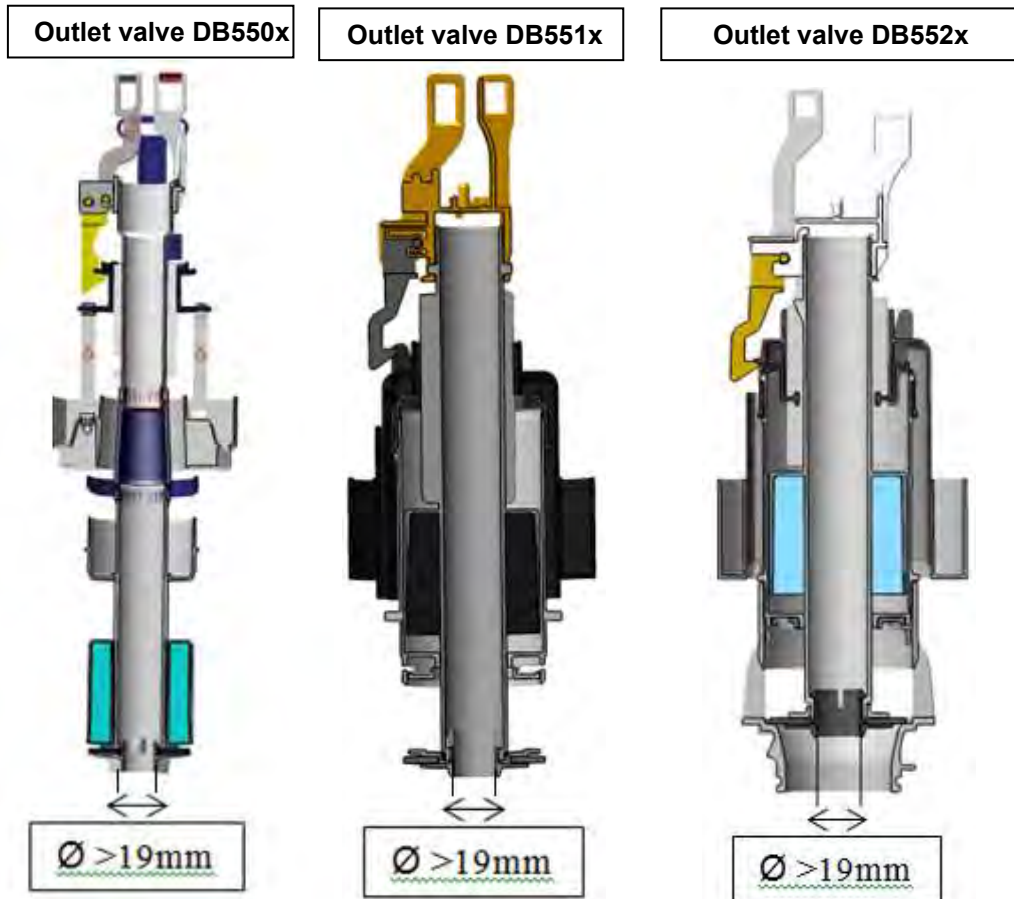
**Model - DB552x**



**Result: Approved**

**b) Overflow size**

The overflow must be circular and of a minimum size, 19mm, providing this is capable of accommodating maximum inlet flow.



**Result:** Approved

**c) The fluid in a WC cistern shall not come into contact in anyway with the discharge outlet**

For example due to splashing. If contact is observed the air gap has been compromised and it needs to be increased to the point where no contact occurs.



**Result:** Approved

d) As they can affect air gaps, silencer tubes can only be permitted where they do not compromise the air gap in any way.

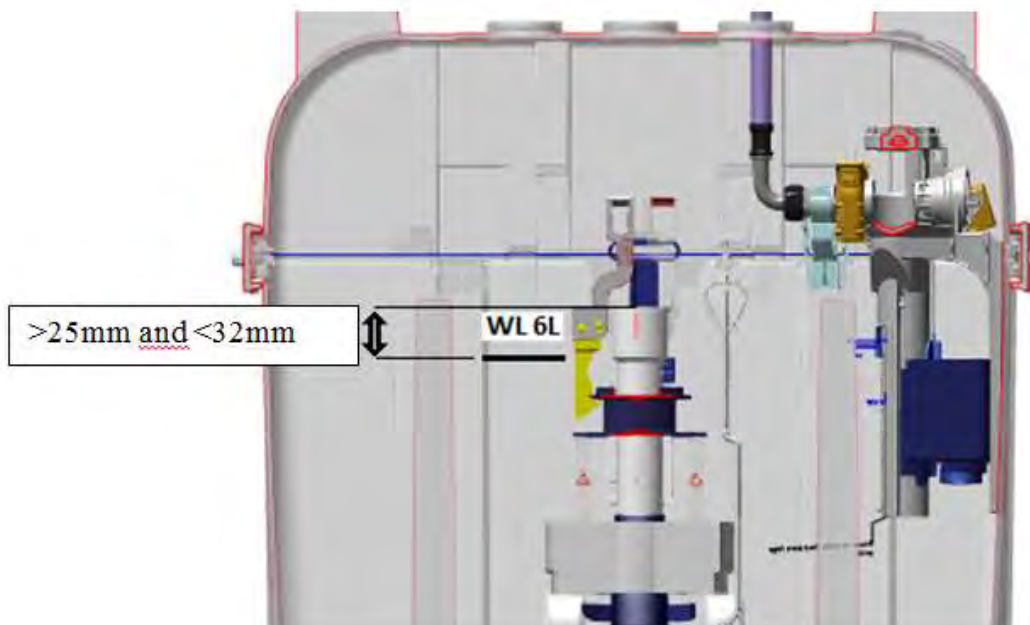


**Result:** Approved

**6. EN14055 – clause 6.4 Warning pipe and overflow provision**

When tested as described in 6.10.2, every flushing cistern, not being a pressure flushing cistern, shall be fitted with a warning pipe connection arranged with the discharge level between 25 mm to 32 mm above the marked water level, or a no less effective device shall be provided.

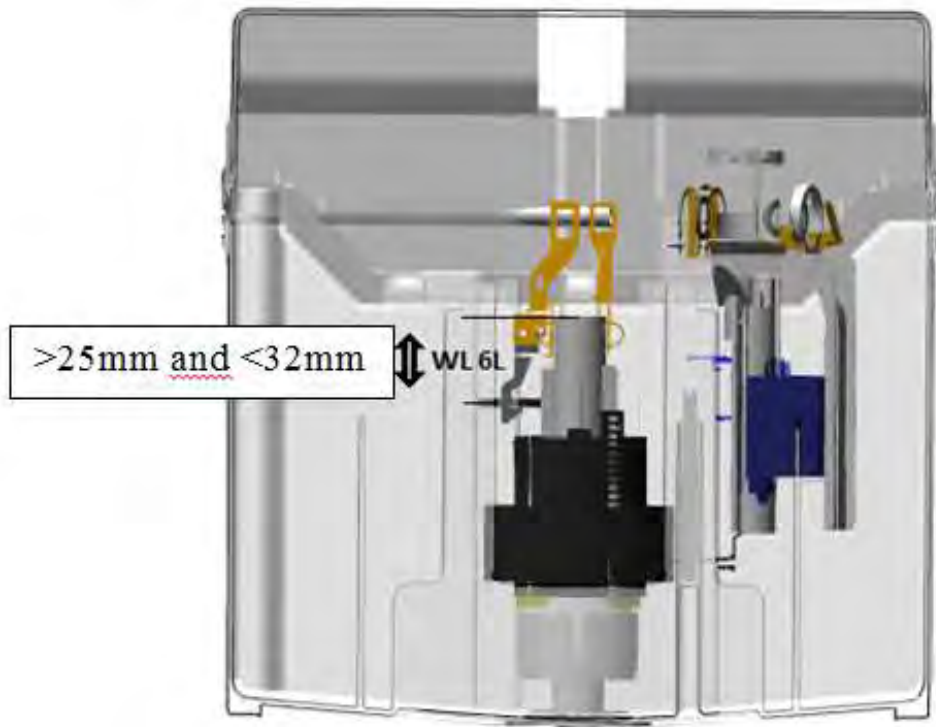
**Model - DB550x**



**Result:** Approved

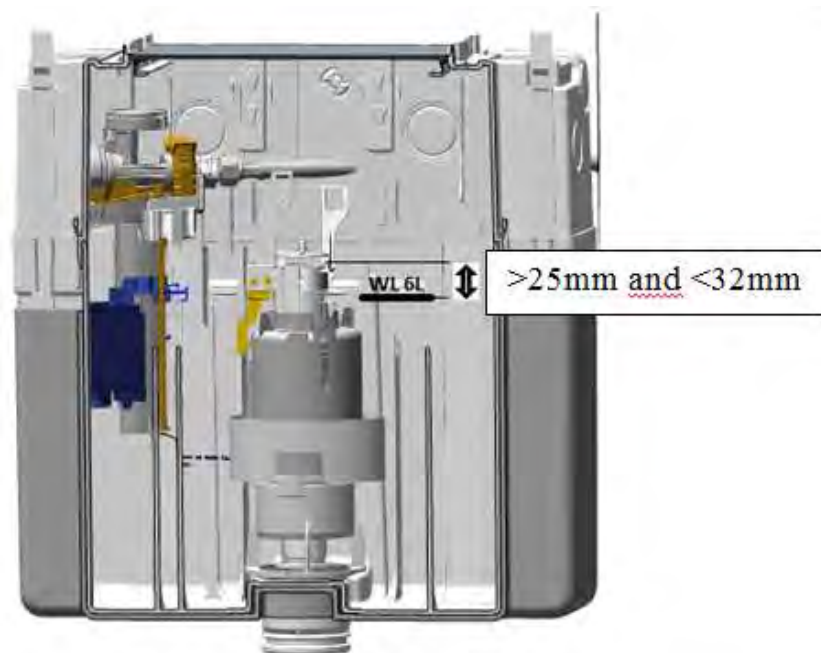


**Model – DB551x**



**Result:** Approved

**Model – DB552x**



**Result:** Approved

### 7. EN14055 clause 6.3 Marking of flushing cistern

Every flushing cistern, other than a pressure flushing cistern, shall be clearly marked internally with an indelible line to show the intended volume of flush, together with an indication of that volume. Discharge volume(s) shall be based on measurement from the water level in the cistern using the manufacturer's original equipment to the residual water level in the cistern on completion of a flush



Marked with label or in the flushing cistern

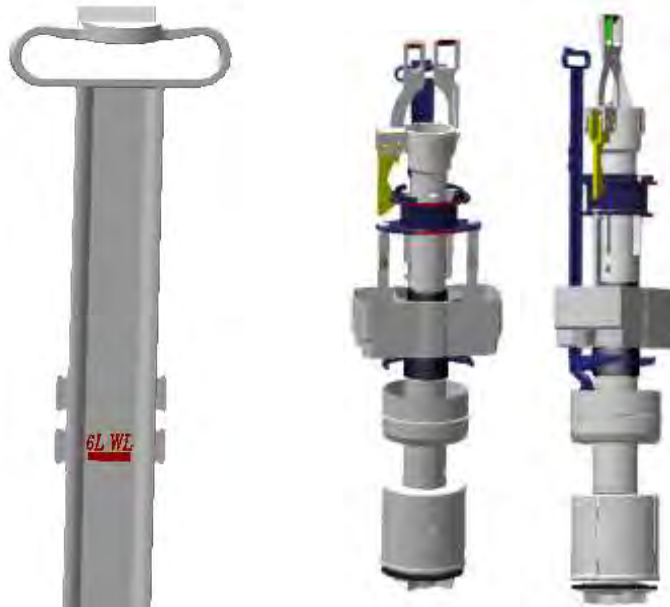


Marked with label or in the flushing cistern





Marked with label or in the outlet valve rod



**Result:** Approved

8. This declaration of conformity is issued under the sole responsibility of the manufacturer identified in point 2.

Signed for and on behalf of the manufacturer by:



Ralph Mumford  
Product Development Manager

25/05/2021