

**For use in potable water or fresh water installations.**

The Airfix D expansion vessels operate in such a way that the water flows right through and they are continuously flushed with fresh water from the mains. This prevents tepid, stagnant water from collecting in the vessel in which bacterial growth could occur. Therefore, users can be assured of high quality potable water. Applying an Airfix D expansion vessel to a water heater prevents the opening of the safety group or safety valve each time the potable water is heated. As a result, not only the life of the safety group or safety valve is significantly prolonged (damage or calcification of seat is avoided) but also the risk of permanent leakage (with high water loss as a consequence). An Airfix vessel is also a perfect solution in basement applications where the drain is higher than the safety valve. Airfix D is a flow through vessel, that operates by diverting all of the connection fluid flow, through a special T-piece, into the vessel to prevent stagnation of water in the vessel.

- Full flow through.

**Advantages**

- The Airfix D is fitted with a synthetic flow through construction and a special T-piece which eliminates the formation of unwanted bacteria inside the vessel.
- Including special brass flow dividing T-piece (3/4") and internal synthetic flow through construction.
- No waste of valuable potable water.
- With special flow through construction.
- Continuous flow through prevents bacterial growth.
- Special butyl rubber diaphragm does not add any colour, odour or taste to the water.
- Corrosion-resistant coating inside, not only on the water side but also on the nitrogen side.
- Internationally approved and certified.
- The clench ring construction allows coating before assembly.
- Nitrogen gas filling for longer retention of pre-charge.
- Airfix D can be fitted with an AirfixControl. AirfixControl enables an easy yearly precharge check of the Airfix expansion vessel.

**Technical Specifications**

- Full flow through.
- Maximum working pressure: 10 bar.
- Suitable for systems with a maximum system temperature of 120 °C.
- Minimum / maximum temperature diaphragm: 1 °C / 70 °C.
- Vessels in accordance with EN13831.
- Approvals: DVGW-W270  
ACS  
PZH  
KIWA approved execution available on request.  
Approved for potable water applications according to CE 2002/16/EC.
- In accordance with Pressure Equipment Directive 2014/68/EU.
- Quality Vignette DIN-DVGW: NW-9481 AU2096.
- Colour: White RAL9010.



Description	Airfix D DHW exp.ves. 18/4,0[10bar]	
Order Code	14459	
GTIN	08712874144590	
Model	<u>Airfix D 8 - 35</u>	
Precharge [bar]	4	
Max. working pressure [bar]	10	
Dimensions	Ø [mm]	328
	H. [mm]	323
Connection	R $\frac{3}{4}$ "	
Weight [kg]	4.9	



### Classification General Data

<b>Etim Group</b>	Pressure increase/decrease
<b>Etim Class</b>	Membrane pressure expansion vessel
<b>Product Name</b>	Airfix D DHW exp.ves. 18/4,0[10bar]
<b>Brand</b>	Flamco
<b>Product Type</b>	18

### Attributes

<b>Final pressure [bar]</b>	10
<b>For tap water</b>	Yes
<b>Volume [l]</b>	18
<b>Pre-pressure [bar]</b>	4
<b>With fixed wall support</b>	No
<b>Position, vertical</b>	Yes
<b>Max. medium temperature (continuous) [°C]</b>	70
<b>Position, horizontal</b>	No
<b>With legs</b>	No
<b>With exchangeable membrane</b>	No
<b>Nominal inner diameter, expansion connection</b>	3/4 inch (20)
<b>Outer pipe diameter, expansion connection [mm]</b>	26.5
<b>Connection</b>	External thread conical BSPT-R (ISO 7-1 / EN 10226-1)
<b>Colour</b>	White
<b>Diameter [mm]</b>	328
<b>Height [mm]</b>	325

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