

A4 INFLATION/DEFLATION VALVES

Introduction

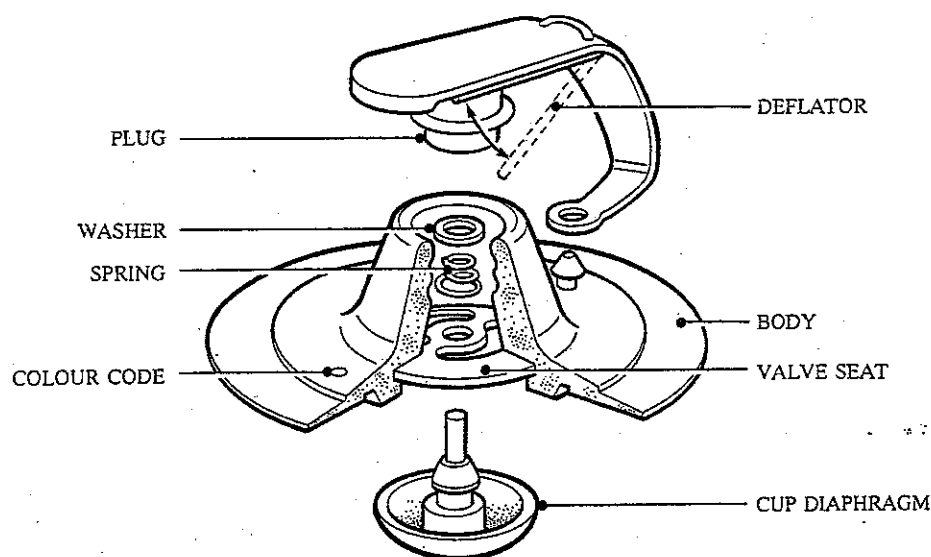
These simple and effective valves provide high reliability at low cost. The flexible body cannot damage the fabric of boats or buoyancy chambers.

The A4 inflation/deflation valve consists of a simple spring loaded diaphragm and is fitted with a deflator and plug assembly. The sealing edge of the diaphragm is held against its seating by a stainless steel conical spring. Unrestricted throughway is equivalent to a 16mm diameter hole and back pressure is reduced to 0.5kPa (2in w.g.). This allows a flow of 4.7 litres per second at 1.72kPa.

Deflation is achieved by unseating the diaphragm with the deflator. The plug provides a secondary seal.

Full installation instructions are given on the installation drawing.

The valve is rugged and requires no routine maintenance.

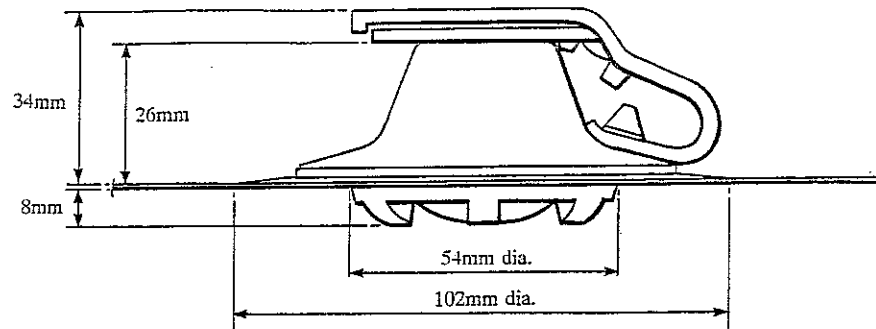


A4 valves are moulded in rubber or Neoprene, each indicated by a colour code on the valve body (red for rubber and yellow for Neoprene). Rubber valves are suitable for conditions between -40°C and $+80^{\circ}\text{C}$, Neoprene for -20°C to $+80^{\circ}\text{C}$.

Materials

Deflator	: Stainless steel
Plug	: Natural rubber or Neoprene
Washer	: Nylon
Spring	: Austenitic stainless steel
Body	: Natural rubber, butyl rubber or Neoprene
Valve seat	: Austenitic stainless steel
Cup diaphragm	: Natural rubber

Dimensions



Ordering details

When ordering, specify valve type and material, e.g. A4 inflation/deflation valve, rubber.

Accessories (see accessories section)

Bellows end fittings – for topping up.

Manometer and vacuum probes – for monitoring pressures during manufacture and for deflation and vacuum packing.

A4 INFLATION VALVES

A4 inflation valves are often used in conjunction with A3 relief valves so that rafts can be topped up by their occupants. They can also be used for testing and monitoring rafts during manufacture and subsequent vacuum packing into their valises. The inflation valve does not have a deflation facility built in.

Ordering details

When ordering, specify valve type and material, e.g. A4 inflation valve, Neoprene.

Accessories (see accessories section)

Bellows end fittings – for topping up.

Manometer and vacuum probes – for monitoring pressures during manufacture and for deflation and vacuum packing.