

Type JP601 Air Separator Flanged

Specification Micro Bubble Air Separator consisting of carbon steel body with stainless steel diffuser screen.
RAL 9006 white aluminium paint finish.
Flanges drilled to BS4504 NP16.

Application Stourflex air separators are designed to remove air from circulating heating and chilled water systems.
Air is vented automatically from the top of the unit.

Maximum working temperature 110°C.
Maximum working pressure 10 Bar.
Maximum test pressure = 1.5 x working pressure.

For efficient air removal separators should be line size.



Part Number	N.B. (mm)	Body Diameter (mm)	Total Height Including Air Vent (mm)	Pipe Centre To Base (mm)	Installed Length Face to Face (mm)	Dry Weight (kg)	Volume (l)
JP601-50	50	165	570	180	430	14	8
JP601-65	65	165	570	180	430	15	8
JP601-80	80	219	700	215	500	21	18
JP601-100	100	219	700	215	500	23	19
JP601-125	125	323	880	280	625	44	53
JP601-150	150	323	880	280	625	46	54
JP601-200	200	400	910	300	775	61	88
JP601-250	250	450	1010	330	860	78	130
JP601-300	300	500	1130	360	910	98	185

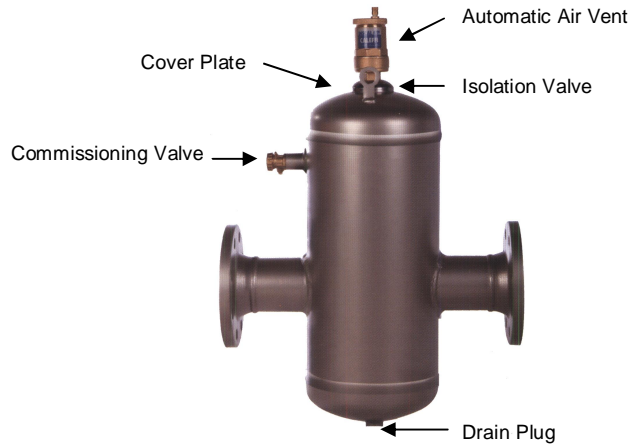
All lengths have a tolerance of up to +/- 5%

½" bsp brass automatic air vent, isolation and commissioning valves, 1" bsp brass drain plug supplied as standard.

Please refer to installation instructions for the correct location, installation and operation of Stourflex air separators.

Weld and grooved ends, alternative flange drillings and materials available upon request.

Installation, Operation and Maintenance Instructions for JP601 Air Separators



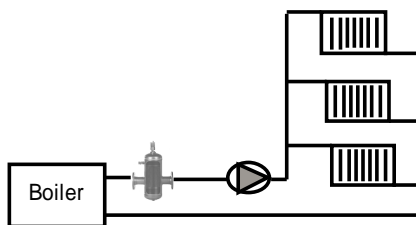
Selection Stourflex offer a complete range of air and dirt separators. Check that the correct separator has been selected for the operating conditions that exist.

Location Micro Bubbles are easily released from circulating water where the highest temperature and lowest pressure conditions occur in the system, for this reason the separators should normally be fitted where water is at the highest temperature and the lowest pressure available.

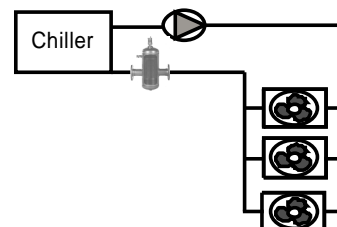
The examples shown below are typical installation layouts, but other acceptable and efficient locations for the separator exist.

When selecting the position for the separator please be aware that pressure also has a major effect on the release of micro bubbles. For temperatures normally found within heating systems a one meter drop in head pressure is equivalent to a rise in temperature of four degrees centigrade. Where lower temperatures are involved in cooling applications system pressure becomes the determining factor of the position of the separator.

Stourflex JP601 Micro Bubble air separators should be installed in horizontal pipework, the direction of flow is optional.



Heating System



Cooling System

Installation Automatic air vent and isolation valve should be fitted to the top of the separator, commissioning valve on the side and drain plug on the base, as shown in the illustration at the top of this page.

To protect the automatic air vent the isolation valve should be closed prior to flushing the system. The commissioning valve is used to quickly remove air when filling the system.

Maintenance Automatic air vent should be checked periodically to ensure it is functioning correctly. The drain plug is provided to enable the separator to be cleaned.

WARNING To prevent scalding safe practice must be observed when venting hot water at pressure.