

## BUFFER TANK / HYDRAULIC SEPARATOR

### FEATURES

- Increases system water volume.
- Adds thermal mass to the system.
- Has 2 or 4 connections depending on application.
- Multiple connection sizes for each tank size.
- Connection size dependent on location, application and system capacity.
- Hydraulic Separator has 4 connections, built-in bypass makes primary and secondary circuits independent.
- Automatic Air Vent provided to remove accumulated air.



### BENEFITS

- Additional thermal mass reduces plant cycling.
- Improves plant operating efficiency.
- Provides instantaneous CHW supply on power failure.
- Bridges gap between CHW generation and consumption.

### TECHNICAL DATA

Connection sizes	:	100-600 mm Dia
Material		
Shell	:	CS, SS (optional)
Auto airvent	:	Brass
Max. operating pressure	:	16 Bar
Working temperature	:	0°C-120°C

## INSTALLATION AND COMMISSIONING

- While installing, ensure that the inlet and outlet connections are properly oriented.
- Fix an automatic air vent on the top to facilitate removal of accumulated air.
- Fix a valve at the drain point to facilitate routine maintenance.

## DIMENSIONS

MODEL	DN (max.)	A	B	C	E	F	Weight (kgs.)
BFT-1000/(DN)FL	100	1600	1220	385	450	830	390
BFT-1500/(DN)FL	125	1600	1420	445	450	710	620
BFT-2000/(DN)FL	150	2110	1420	460	450	1190	765
BFT-3000/(DN)FL	200	2300	1625	535	450	1230	1135
BFT-5000/(DN)FL	200	2830	1830	585	450	1660	1775
BFT-8000/(DN)FL	250	2830	2235	715	450	1400	3000
BFT-10000/(DN)FL	300	2630	2540	815	450	1000	3650

All dimensions are in mm  
Flanges to IS : 6392 - 1971

Notes:-

- Connection sizes (DN) may change to suit flow rate.
- Dimensions F may change when connection size exceeds DN (max).
- Hydraulic separator has additional 2 connections shown in dotted line.

