



AIR SEPARATOR

## FEATURES

- Mild steel shell
- Air venting device made of brass
- Works on principle of centrifuge
- Maximum operating pressure 10 bar (16 Bar optional)
- Working temperature -10°C to 120° C



AIR & SEDIMENT SEPARATOR

## BENEFITS

- Removes dissolved air and microbubbles
  - Increases heat transfer efficiency
  - Reduces chances of air lock
- Reduces corrosion in piping and sludge formation
- Sediment separator removes impurities heavier than water
  - Prevents choking of strainers
  - Prevents damage to pumps and other equipment

## TECHNICAL DATA

Material

Shell	:	MS
Airvent	:	Brass
Maximum operating pressure	:	10 Bar (16 Bar optional)
Working temperature range	:	-10°C to 120°C

## INSTALLATION AND COMMISSIONING

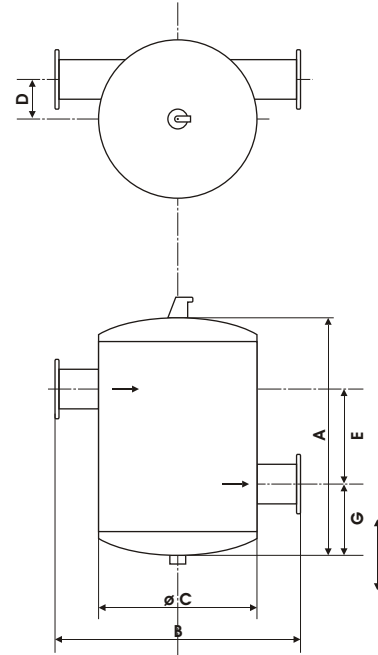
While installing, ensure that the inlet and outlet connections are properly oriented. Fix a valve at the drain point to facilitate routine maintenance.

## DIMENSIONS

### AIR SEPARATOR

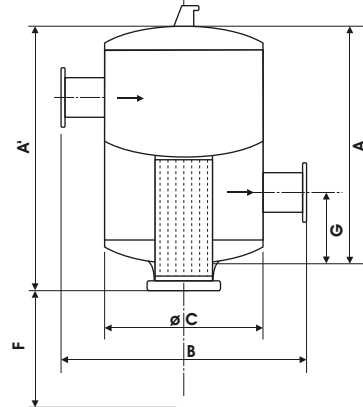
All dimensions are in mm

MODEL	A	B	ø C	D	E	Weight (Kgs)
CAS80	375	490	254	78	136	20
CAS100	595	675	450	156	251	50
CAS125	595	675	450	144	225	54
CAS150	675	675	450	130	277	61
CAS200	900	900	600	180	310	125
CAS250	1125	1050	750	230	485	185
CAS300	1350	1200	900	230	540	290
CAS350	1575	1406	1050	305	715	430
CAS400	1800	1564	1200	380	830	660
CAS450	2025	1714	1350	405	955	830
CAS500	2250	1876	1500	480	1070	1295
CAS600	2700	2200	1800	530	1300	2000



### AIR & SEDIMENT SEPARATOR

MODEL	A'	F	Free Strainer Area (cm <sup>2</sup> )	Weight (Kgs)
CASS80	430	180	323	24
CASS100	645	220	530	58
CASS125	650	240	807	64
CASS150	730	275	1109	70
CASS200	1195	360	2009	155
CASS250	1195	425	3004	210
CASS300	1525	520	4394	360
CASS350	1530	680	6925	495
CASS400	1832	720	8339	830
CASS500	2263	800	12938	1395
CASS600	3045	980	16956	2300



F = Space required for removal of strainer

$$G = \frac{A}{2} - \frac{E}{2}$$

Other dimensions same as that of air separator

Flanges to IS 6392