

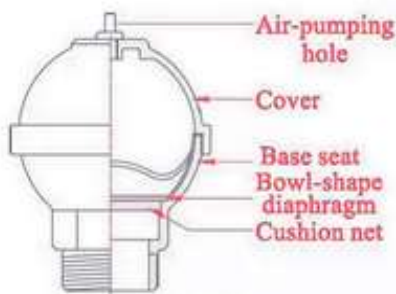
# Z-TIDE



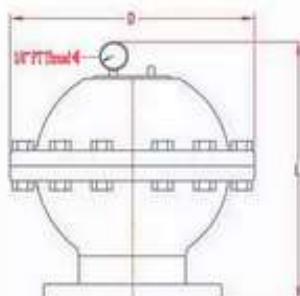
## I STYLE WATER HAMMER ARRESTER



Patent Number : 140580



▲ Thread end(AIT)  
Without Pressure Gauge



▲ Flang end (AIF)  
With Pressure Gauge

- ▶ If the fluid is acid/alkaline or oil, the air bag made of special material should be applied.
- ▶ Vertical, horizontal and upside-down installation is acceptable.
- ▶ Please contact us for special fluid and temperature.
- ▶ Normal air chamber pressure : 2.5 kgf/cm<sup>2</sup>
- ▶ Diaphragm material : NBR & Viton

- ▶ Applied conditions: Fluid
- ▶ Applied temperature: -15 ~ 80°C
- ▶ Diaphragm material: NBR & Viton
- ▶ Normal air chamber pressure: 2.5 kgf/cm<sup>2</sup>

- ▶ The test pressure of valve body:
  - Ductile Iron & Bronze : 21 kgf/cm<sup>2</sup>
  - Stainless Steel 304 & 316 : 30 kgf/cm<sup>2</sup>
- ▶ Maximum applied pressure:
  - Ductile Iron & Bronze : 12 kgf/cm<sup>2</sup>
  - Stainless Steel 304 & 316 : 20 kgf/cm<sup>2</sup>
 (1 kgf/cm<sup>2</sup>=14.2psi)

(Thread end)

Item No	Thread(PT)	L (mm)	D (mm)	Weight(kg)	Air Chamber(cm <sup>3</sup> )
AIT-15	1/2"	74	46	0.3	17
AIT-20	3/4"	82	52	0.4	30
AIT-25	1"	95	62	0.5	65
AIT-40	1.5"	120	110	1.4	250
AIT-50	2"	162	135	3.2	650
AIT-65	2.5"	180	155	3.9	1125
AIT-80	3"	218	188	9	2000
AIT-100	4"	260	238	14	4400

(Flange end)

Item No	Flange	L (mm)	D (mm)	Weight (kg)	Air Chamber(cm <sup>3</sup> )
AIF-80	3"	240	155	18	2465
AIF-100	4"	330	330	31	5535
AIF-125	5"	330	330	32	5535
AIF-150	6"	420	400	67	15325
AIF-200	8"	510	460	93	27230
AIF-250	10"	510	460	103	27230
AIF-300	12"	620	625	198	67860