

Media: Water – Liquid – Acid - Alkali
 Pressure: Ductile Iron: 12 Bar max
 Pressure: Stainless: 20 Bar max
 Media temperature: -15°C to +80°C max
 Media viscosity: 50 centistokes max
 Mounting: any position

Anti Water Hammer

Ductile Iron + Stainless

DN50 – DN200

Angle L Series

20 Bar

TYPE ALF



PRESSURE

Ø Port PN16	Air Chamber CM³	Dimensions			Part Number	List Price	
		A	B	C		Ductile Iron Epoxy Coated	304 Stainless
2	1490	230	110	105	ALF50 + body material	£290.83	£1040.85
2 1/2	2130	260	130	115	ALF65 + body material	£345.93	£1224.53
3	2465	275	140	125	ALF80 + body material	£459.20	£1417.40
4	5535	345	155	150	ALF100 + body material	£734.72	£2127.63
6	15325	467	200	200	ALF150 + body material	£1255.15	£4509.34
8	27230	560	235	232	ALF200 + body material	£2051.09	£7739.05

OPTIONS

Flange JIS-10K, 20K; ANSI-150LB; PN10 + 25 (Other options TBA)
 FKM + other diaphragm materials are custom made
 Test Pressures: Ductile Iron Epoxy Coated 21 Bar and 304 Stainless Steel 35 Bar

+10%
TBA

CONSTRUCTION

Body: Ductile Iron with Epoxy Coating (tested to 21 Bar) or 304 Stainless Steel (tested to 35 Bar)
 Seals: NBR other options available upon request

REPAIR KIT

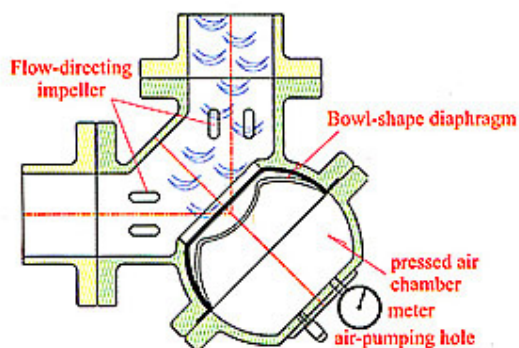
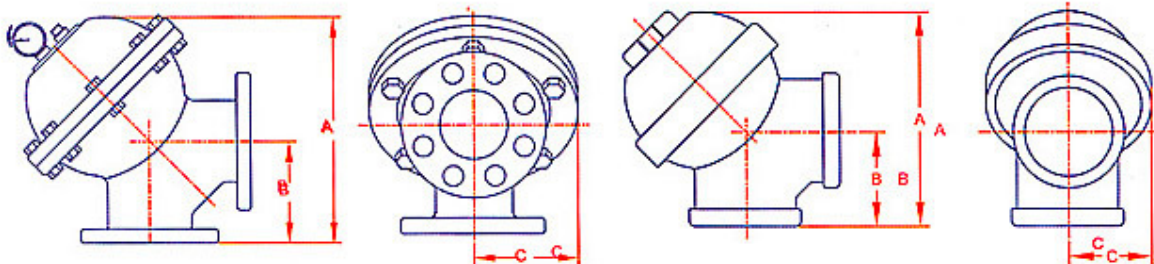
Diaphragm Seal

Valve part number + seal material

OVERALL DIMENSIONS

L Style Hammer Arrestor

Fit the Hammer Arrestor at the first corner from the fast shut down valve. When the fluid lift is greater than 50Mtrs or pressure higher than 5 bar we recommend fitting a hammer arrestor at the first corner from the fast shut down valve AND the corner after the longest pipe straight. Leave at least a 10 cm gap between the arrestor and the wall for ease of maintenance. Make sure the air chamber pressure is lower than the pipe pressure between 60% to 90%. If the pipe outlet to atmosphere i.e. Tank then set the air chamber pressure between 1 and 1.3 Bar.



- ▶ The test pressure of valve body
 Cast iron : 21 kgf/cm²
 Stainless steel : 35 kgf/cm²
- ▶ Diaphragm material : NBR or Viton
- ▶ Normal air chamber pressure : 2.5 kgf/cm²
- ▶ Applied conditions : Fluid
- ▶ Applied temperature : -15~80°C
- ▶ Maximum applied pressure :
 Cast iron and Bronze : 12 kgf/cm²
 Stainless steel 316 : 20 kgf/cm²
 (1 kgf/cm²=14.2 psi)