

AL-68-97

AL-68-97 is mainly installed in plumbing system of heat exchanger, which is used for hot water boiler or electric water heater operates at pressure 100 kPa or less. This valve automatically discharge the water to protect the machinery, when pipe line pressure abnormally increase. Closed structure prevents fluid flow to the outside even when the diaphragm would break.



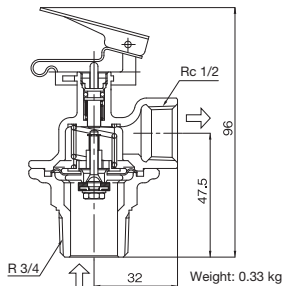
■Features

1. Big diaphragm at the pressure receiving section enables to blow out large capacity at first operation. Also makes the blow down pressure small and operate sharply.
2. Breather structure prevents the machinery and pipes from negative pressure problem.
3. Manual lever enables to check the operation and water level. Also quickly discharge water inside the system.
4. Diaphragm is made of heat and water resistance synthetic rubber.

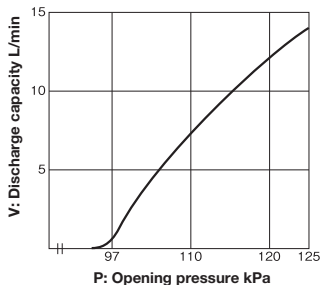
■Specifications

| | |
|---------------------------|--------------------------------|
| Application | Cold and hot water |
| Commence-to-blow pressure | 97 $\frac{1}{2}$ kPa |
| Reseating pressure | 92 kPa or more |
| Breathing pressure | -12 kPa or less |
| Max. temperature | 100°C |
| Body | Bronze |
| Diaphragm | Synthetic rubber (with fabric) |
| Connection | JIS R 3/4 x JIS Rc 1/2 screwed |

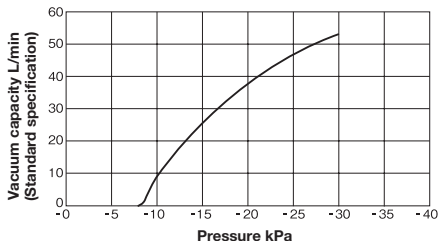
* Available with commence-to-blow pressure 190 kPa for AL-68-190.



Flow Characteristic Chart



Vacuum Characteristic Chart



* The value is not standard value but observed value.