



Autoheat

Refill and Backflow Prevention Units



AutomaticHeating
efficiency □ performance □ solutions



Autoheet Refill Units and Backflow Prevention

“if hazard is bacterial or highly toxic no device other than an air gap shall be used”

Autoheet Back Flow Preventors and Automatic Refill Units are “Breaktank” Devices which combine Back Flow Prevention with automatic refilling of systems as required by AS3500 National Plumbing and Drainage Code.

Autoheet Back Flow Preventers & Refill Units consist of a non-corrosive supply tank, fill valve, pressure pump and pressure switch.

Autoheet Back Flow Preventers & Refill Units are suitable for all HIGH HAZARD applications, such as;

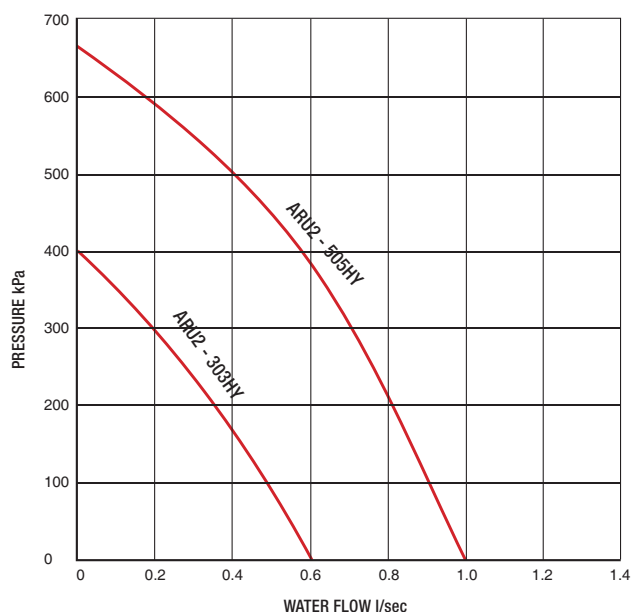
- Chemically treated closed circuit heating or cooling water systems.
- Programmed water supply for kitchen hood wash down cycles.
- Continuous water supply systems with potential for cross contamination, e.g. photographic laboratories
- Cleaning in place (CIP) systems such as tube-in-tube heat exchangers in wine and food industries.
- Hospitals and Nursing Homes.

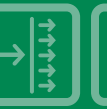
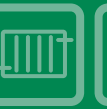
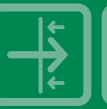
When applied to closed circuit applications Autoheet Back Flow Preventers & Refill Units provide for a limited make up water supply. In the event of a major system leak the make up water is regulated, limiting water damage in the building.

Autoheet Back Flow Preventers & Refill Units are designed and manufactured in Australia to comply with AS3500 National Plumbing and Drainage Code.

Reasons for installing an Auto-Heet Refill Unit

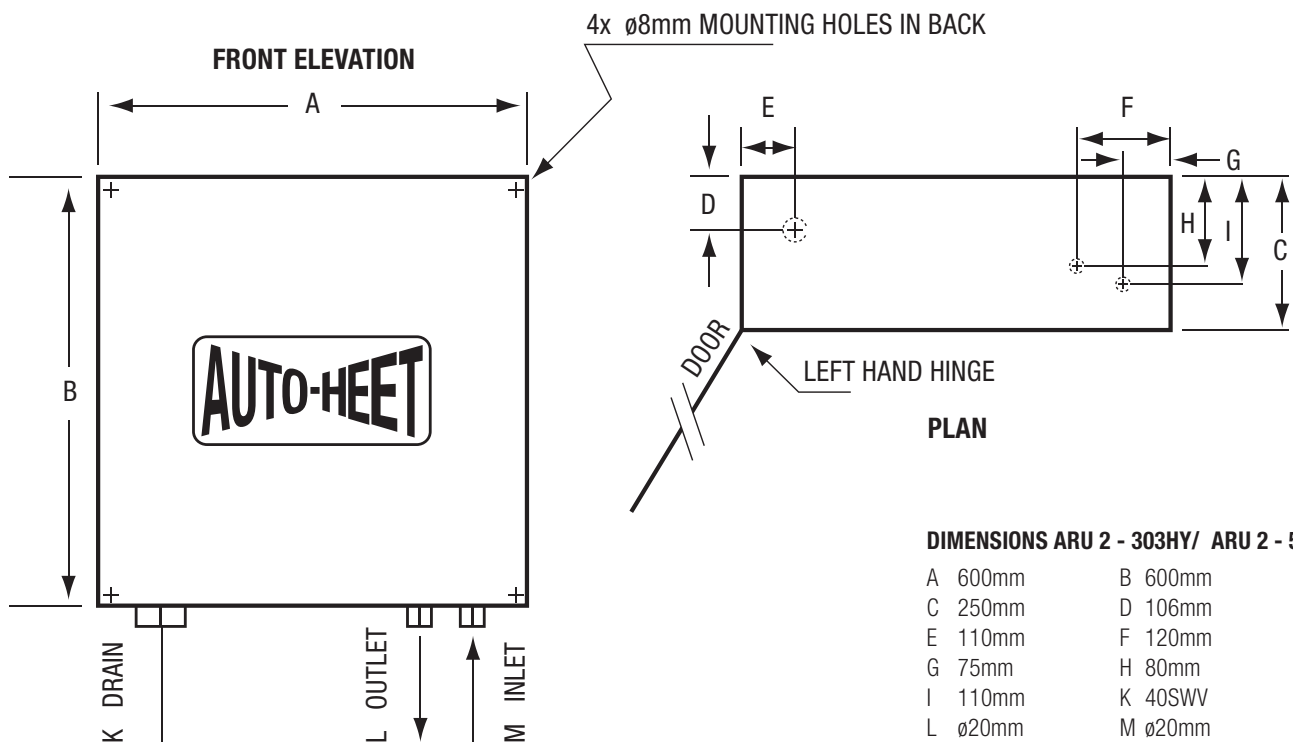
- Provides backflow prevention
- Ideal when mains water pressure is insufficient
- Allows detailed monitoring of water usage
- Dual pump for redundancy





Performance Data

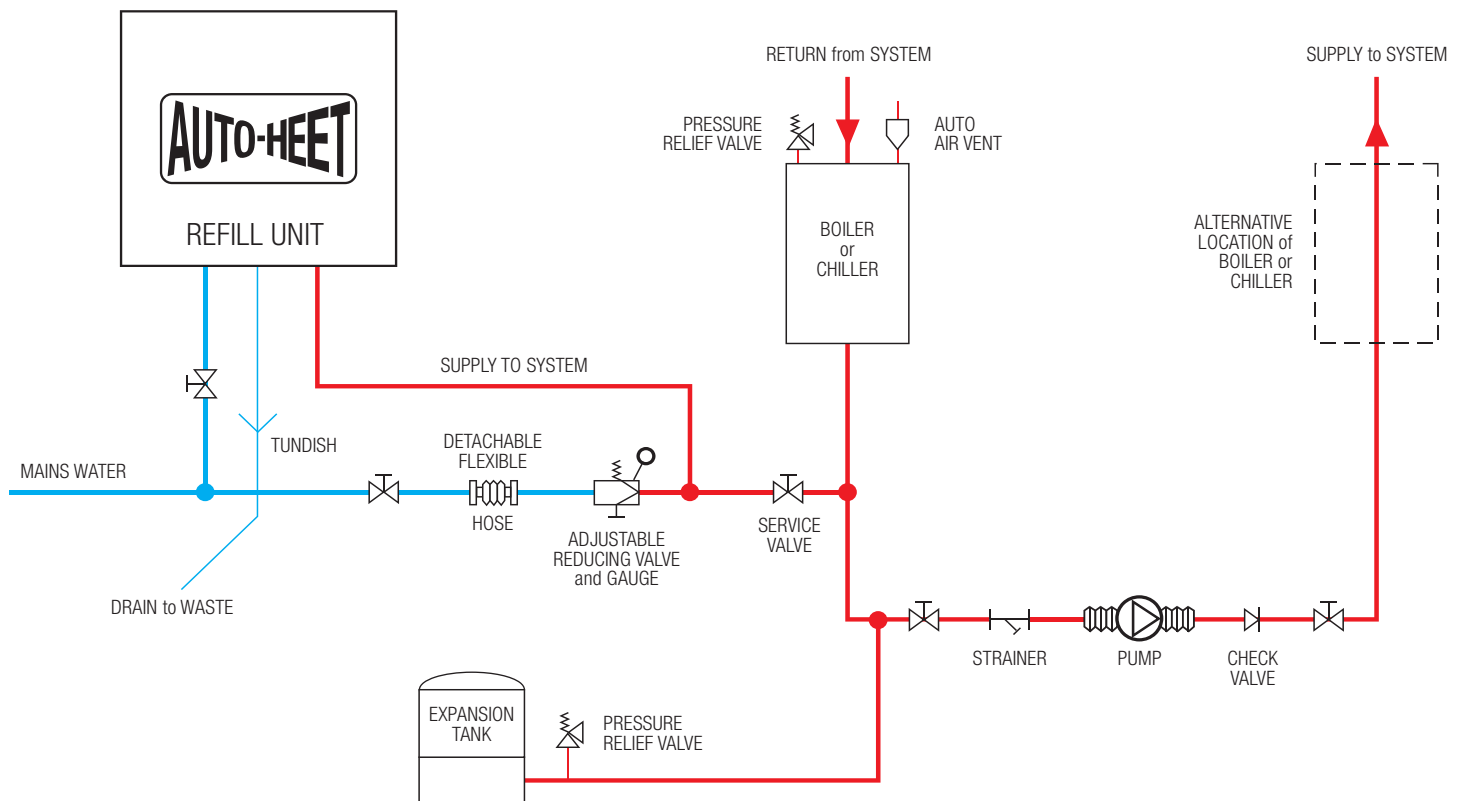
Model Number	Nom. Pump Working Range		Pres. Switch Working Range		Inlet Pressure		Pump Motor KW Volts Amps	Shipping Weight kg	Break Tank Gross Litres	Mains Inlet Dia. mm	Outlet to System Dia. mm
	L/Sec	KPA	KPA	KPA	Min kPa	Max kPa					
STANDARD MODELS											
ARU 2-303	0.4	150	50	225	200	1000	0.37 240 2.1	35	12	20	20
ARU 2-505	0.4	430	50	375	200	1000	0.60 240 5.0	38	12	20	20
VOLT FREE MODELS include volt free contacts for low water and high / low pressure											
ARU 2-303 VF	0.4	150	50	225	200	1040	0.37 240 2.1	35	12	20	20
ARU 2-505 VF	0.4	430	50	375	200	1000	0.60 240 5.0	38	12	20	20



Automatic Heating reserves the right to change specifications without notice.



Typical connection to closed expansion system



Options Include

- Multiple inlet float valves
- Water flow meter
- Dual pumps
- Break tanks of special sizes
- Hours run meter
- Voltage free alarm contacts
- Pumps for high pressure applications
- Remote break tanks

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