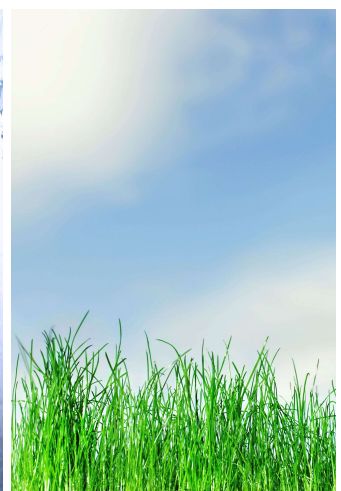


Product Guide

STEAM SOLUTIONS ACR Condensate Recovery Units

Inventive Engineering





The Arbe Range of ACR Condensate Recovery Units

Our range of condensate recovery units have been designed with the customer in mind.

The units offer a compact solution for the collection of condensate from various systems. The standard ACR product range offers a solution with the capability of handling up to 10,000 kg/hour of condensate as a standalone package. The tank, pumps and pipework are all manufactured from stainless steel and are designed for a long life.

Condensate recovery units are available in the following ranges:

ACR - Standard recovery units with PID process control, electric, available as single or twin pump

ACRE - As our standard ACR units, but with variable speed pumps and control

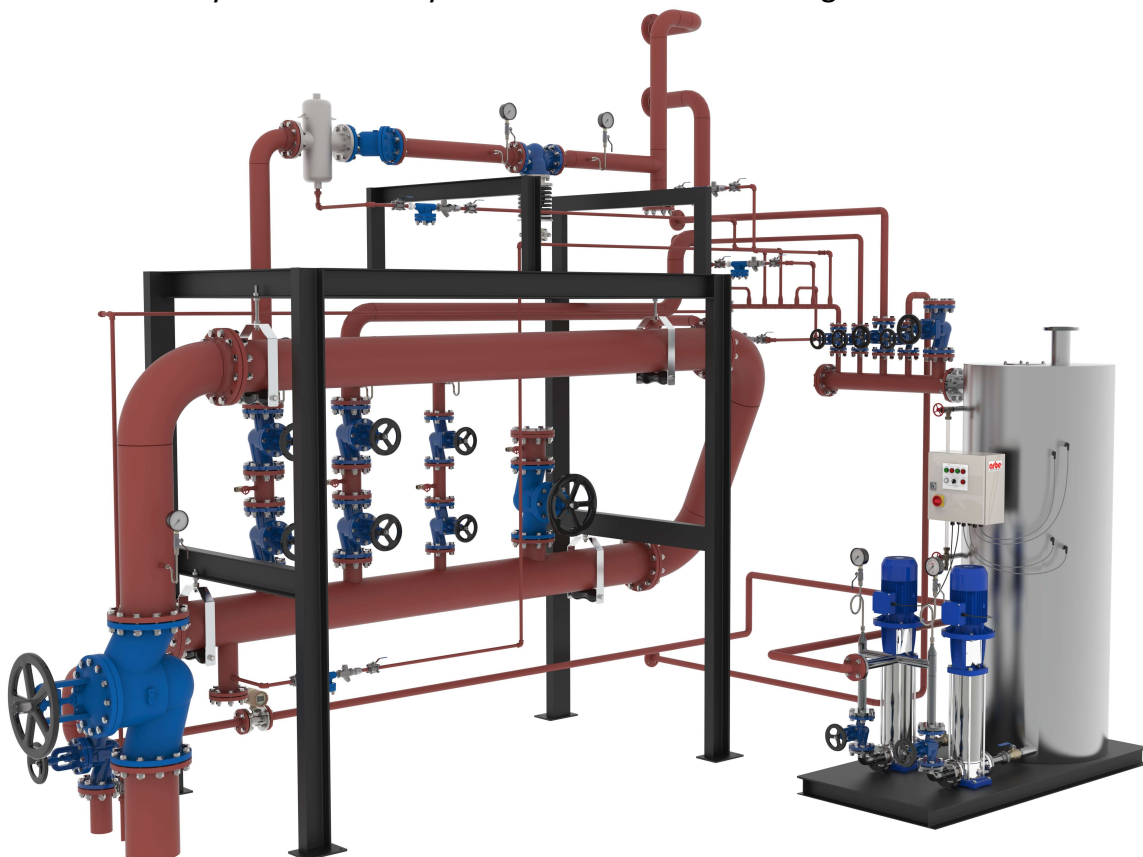
ACR-N - Recovery units with reduced floorspace, available as single or twin pump

ACR-M - Recovery unit that are purely mechanical, and intrinsically safe

ACR-EH - Recovery units mounted within external housings, skid mounted

ACR-CE - Recovery units with pressurised receivers and pipework, fully CE marked

ACR-AT - Recovery units with fully CE and ATEX certified design





ACR Condensate Recovery Units



The Arbe range of ACR condensate recovery packages offer a compact solution for the collection of condensate from various systems. The product range offers a solution with the capability of handling up to 10,000 kg/hour of condensate as a standalone package. The tank, pumps and pipework are all manufactured from stainless steel and are designed for a long life.

- Dedicated range of units with bespoke units available
- Available as single or twin pump units with duty/standby or cascade operation
- Standard range of units with fixed speed pumps but units are available with variable speed operation
- Standard range of units can handle up to 10,000 kg/hour of condensate and discharge at up to 4.5 BarG with higher capacities and pressures available
- Controls package with PID process control, with volt free alarm and also a remote enable facility
- Units supplied as standard with level sight glass and protection tube
- Can handle condensate up to 98 DegC
- Easy installation

Applications

- Boiler condensate systems
- Process condensate systems

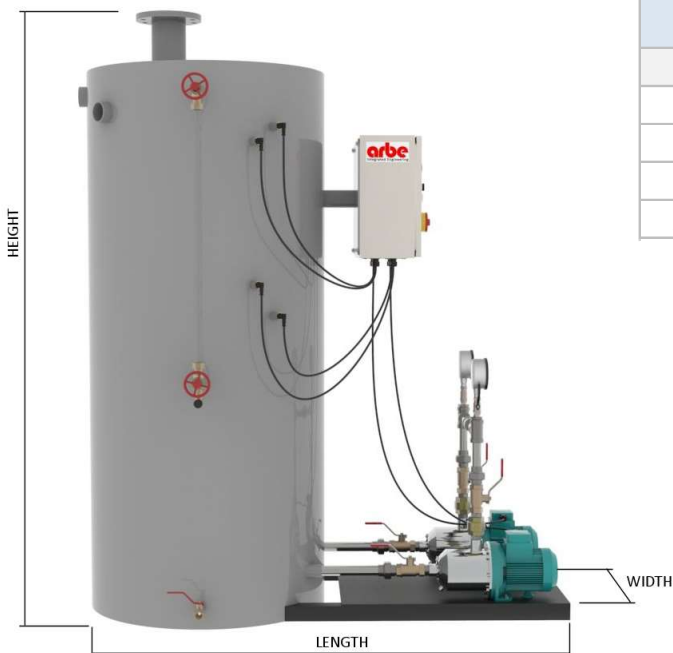


Our range of ACR condensate recovery units are designed and manufactured to the latest standards and are fully compliant with the Pressure Equipment Safety Regulations 2016



ACR Condensate Recovery Units

Unit Reference	Flowrate		Head Output (Metres)	Package Dimensions		
	(kg/Second)	(Kg/Hour)		Length (mm)	Width (mm)	Height (mm)
ACR1500-15	0.4	1,500	15	1275	800	1550
ACR1500-20	0.4	1,500	20	1275	800	1550
ACR1500-25	0.4	1,500	25	1275	800	1550
ACR1500-35	0.4	1,500	35	1275	800	1550
ACR1500-45	0.4	1,500	45	1275	800	1550
ACR2500-15	0.7	2,500	15	1375	900	1600
ACR2500-20	0.7	2,500	20	1375	900	1600
ACR2500-25	0.7	2,500	25	1375	900	1600
ACR2500-35	0.7	2,500	35	1375	900	1600
ACR2500-45	0.7	2,500	45	1375	900	1600
ACR5000-15	1.4	5,000	15	1670	1100	1650
ACR5000-20	1.4	5,000	20	1670	1100	1650
ACR5000-25	1.4	5,000	25	1670	1100	1650
ACR5000-35	1.4	5,000	35	1670	1100	1650
ACR5000-45	1.4	5,000	45	1670	1100	1650
ACR7500-15	2.1	7,500	15	1950	1300	2000
ACR7500-25	2.1	7,500	25	1950	1300	2000
ACR7500-35	2.1	7,500	35	1950	1300	2000
ACR7500-45	2.1	7,500	45	1950	1300	2000
ACR10000-20	2.8	10,000	20	2050	1400	2200
ACR10000-30	2.8	10,000	30	2050	1400	2200
ACR10000-40	2.8	10,000	40	2050	1400	2200



Unit Series	Connections		
	Inlet	Outlet	Vent
ACR1500	1 x 2" BSP	1" BSP	DN100 PN16
ACR2500	1 x 2" BSP	1" BSP	DN100 PN16
ACR5000	1 x 2" BSP	1.1/2" BSP	DN100 PN16
ACR7500	2 x 2" BSP	2" BSP	DN150 PN16
ACR10000	2 x 2" BSP	2" BSP	DN150 PN16



ACR-N Condensate Recovery Units



The Arbe range of ACR-N condensate recovery packages offer a reduced-footprint, compact solution for the collection of condensate from various systems. The unit has been designed to offer a solution where floor space or condensate operating height is critical, so the condensate tank is located over the pumps and controls.

Units designed to operate with a low height utilise specially selected pumps to ensure correct operation and a long operating life.

Our range of ACR-M condensate recovery units are designed and manufactured to the latest standards and are fully compliant with the Pressure Equipment Safety Regulations 2016





ACR-M Condensate Recovery Units



The Arbe range of ACR-M condensate recovery packages offer a solution where electrical pumps cannot be used or are not preferred. The unit can be supplied with just one pump or a multiple of pumps working in parallel.

The pumps are mechanically powered, by either steam, compressed air, nitrogen or other non-flammable gases.

- Bespoke range of units designed to suit each application
- No electrical power or level controls required so intrinsically safe
- Supplied for either vented or sealed systems
- Available as single or multiple pump units
- Standard model of units are supplied with cast iron or cast steel pumps, with stainless steel pumps available as an option
- The range of units can handle up to 9,000 kg/hour of condensate and discharge at up to 10.0 BarG
- Easy installation

Applications

- Boiler condensate systems
- Process condensate systems

Our range of ACR-M condensate recovery units are designed and manufactured to the latest standards and are fully compliant with the Pressure Equipment Safety Regulations 2016



ACR-EH Condensate Recovery Units



The Arbe range of ACR-EH condensate recovery packages offer an externally located solution for the collection of condensate from various systems. The unit is a standalone unit with the capability of handling up to 8,000 kg/hour of condensate. The tank, pumps and pipework are all manufactured from stainless steel and are designed for a long life. The housing is manufactured from GRP and can have the condensate located within the housing, but this can be located externally should larger sizes be required.

- Dedicated range of units with bespoke units available
- Available as single or twin pump units with duty/standby or cascade operation
- Standard range of units with fixed speed pumps but units are available with variable speed operation
- Standard range of units can handle up to 8,000 kg/hour of condensate and discharge at up to 4.5 BarG with higher capacities and pressures available
- Controls package with volt free alarms and also a remote enable facility
- Easy installation
- Mounted within bespoke GRP housing fitted to galvanised steel base making lifting and movement an easy task. Package fully weatherproof with necessary ventilation. The tank can be fitted externally to the housing and insulated as necessary to reduce the overall size of the housing

Applications

- Boiler condensate systems
- Process condensate systems



Our range of ACR-M condensate recovery units are designed and manufactured to the latest standards and are fully compliant with the Pressure Equipment Safety Regulations 2016.



ACR-CE & ACR-AT Condensate Recovery Units









The Arbe ACR-CT & AT condensate recovery packages offer fully certified recovery solution for the collection of condensate from various systems. The unit is a standalone unit and is designed to operate within the requirements of the application. The tank, pumps and pipework are all manufactured from various materials such as carbon steel or stainless steel. The receivers are designed and manufactured in accordance with PD5500 and are fully certified by our 3rd Party Insurance partners.

- Pressurised packages, designed with a pressurised receiver
- Bespoke range of units, individually designed to suit each client requirement
- ATEX designed units supplied with full ATEX certification to suit the application and specificational requirements of the project
- Available as single or twin pump units with duty/standby operation
- Standard model of units with fixed speed pumps but units are available with variable speed operation
- Controls package with volt free alarms and also a remote enable facility
- Controls packages available with Trend controls, all open-protocol
- Units supplied as standard with level sight glass and protection tube
- Can handle condensate up to 180 DegC
- Easy installation

Applications

- Boiler condensate systems
- Process condensate systems

Our range of ACR-M condensate recovery units are designed and manufactured to the latest standards and are fully compliant with the Pressure Equipment Safety Regulations 2016.

 Suitable for Heating Systems
 Suitable for Potable Systems
 Suitable for Chilled Systems
 Suitable for Steam Systems
 Suitable for Renewable Systems
 Suitable for Boosted Water Systems

Key to Product Suitability



Design | Supply | Manufacture | Install | Commission

DHW & LTHW Generation
 Booster Sets & Pressurisation
 Steam Packages & Equipment
 Condensate Removal & Recovery

Heat Exchangers
 Package Plantrooms
 Gas & Biomass Boilers
 CHP & Heat Recovery

Solar Energy
 Chillers & Heat Pumps
 Buffer Vessels
 Complete HVAC Integration



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