

Appendix
Waterworks Museum - Hereford: Time line of main artefacts

Decade	Major exhibits	Other exhibits	Gaps in the collection
Pre-1850	Horse-drawn fire engine (1805)	Wooden water pipes Water hand-pump (lead)	
1851-1860	Simpson beam engine	Guest & Grimes water-level	
1861-1870			Key gap ... items from this transitional phase from beam engines to rotative steam engines
1871-1880	Tangye House (Leominster's 1876 WTW)	Atfield collection of WC cisterns, pans and wash basin	
1881-1890	Gilbert, Gilkes & Gordon turbine Joseph Evans double reciprocating pumps Warner hydraulic ram Hayward Tyler hot air engines (2)	Wooden water pipes Wooden water pump Iron hand pumps	
1891-1900	Easton Anderson & Goolden turbine Worth McKenzie triple-expansion steam engine Lancashire boiler, Riley Bros Campbell hot-tube gas engine	Tangye (static) steam engine Wilson-Hartnell dynamo Hot-wire voltmeter Doulton water filter	
1901-1910	Worth McKenzie twin steam engine Glenfield & Kennedy double-acting pump Overshot waterwheel	Kent venturi water meter WC display Glenfield & Kennedy sand wash	Early examples of electrically powered pumps 1900-1940.
1911-1920	Hindley Alcazar single-cylinder steam engine National Gas engine and Perkins gear reduction unit and clutch Allen high-speed enclosed steam engine	Water-level instrumentation Pelton wheel Producer gas plant Fire hydrant	... such as those used in the water tower (1911) and the main building (1914)
1921-1930	Worthington-Simpson boiler feed pumps Blake compound ram Blackstone single-cylinder horizontal oil engine Wilson single-cylinder horizontal oil engine Joseph Evans twin pump Wind turbine pump	Bloby water softener Paterson chloronome Kent steam flowmeter/recorder Worthington-Simpson double-acting steam pump (outside)	
1931-1940	Bamford single-cylinder petrol/TVO engine Tangye horizontal 97litre diesel engine Allen twin-cylinder diesel engine & pump Blackstone EPV5 vertical diesel engine Mather & Platt two-stage centrifugal pump GG&G Francis-type turbine Harland vertical borehole pump	5-stage centrifugal pump Bell-jar chlorinator Joseph Evans (Kinwarton) pump Blackstone engine & compressor Various single-cylinder Lister, Ruston, etc, engine and pump combinations	
1941-1950	Tangye pump with Ford V8 petrol engine	Coventry-Climax fire tender	Further items of WWII era
1951-1960	Crompton-Parkinson electric motor & Pulsometer pump Tangye pump with Pelapone diesel engine Tangye pump with ECC electric motor	Grundfos S/S borehole pump Grundfos boiler feed pump 5-stage centrifugal pump (used to power overshot waterwheel) Rotork motorised water valve	
1961-1970		Water-level instrumentation	Instrumentation:
1971-1980	Pleuger centrifugal pump		Electronic-Analogue → digital
1981-1990	Hayward-Tyler centrifugal pumps		Water levels
1991-2000			Water analysis
			Chemical metering
Post 2000	- - - Beyond collection policy	period of Museum - - -	