

Unvented Double Jacket Enamel Hot Water Cylinders

Model	ADJ-80L	ADJ-100L	ADJ-120L
Inner cylinder	Enameled Steel (Steel BTC340R, 1.8mm)		
Outer cylinder	Galvanized steel (Color – White, thickness 0.5mm)		
Insulation	High pressure polyurethane foam (thickness 45mm)		
Inlet/Outlet size	Male Thread 1/2"		
Working pressure	700 kPa		
Electric heater	1.5 kw		
Voltage	220 to 240V		
Anode bar	Included		
Safety valve	Included		
Controller	Assembled on cylinder		
Installation	Vertical		
Dimension(mm)	Ø482x962	Ø482x1154	Ø482x1308



New Technology - Water storage cylinder are adapted to the advanced technology of vitreous enamel inner cylinder – ARKAYA Enamel Blue Inner Liner, which fuses to solid steel at about 900°C. The result is a smooth and tough surface that effectively resists the corrosive attacks of hot water chemicals, thus ensuring a long life span of water cylinder,

Best materials -

- Enamel: imported from USA Ferro who is the worldwide biggest enamel manufacturer;
- Inner cylinder steel: from Baosteel who is the Chinese biggest steel manufacturer;
- Steel surface cleaning Grit: imported from French W Abrasives who is the worldwide biggest abrasives manufacturer;
- Electric Element: from Japanese company Kawai.



Insulation protection - CFC free polyurethane foam insulation is injected and surrounds the inner cylinder, filling the space between the inner cylinder and outer cylinder thus providing an exceptionally good heat retention barrier. This helps to reduce the energy cost by minimizing standby heat loss.

Electric Element – High-quality immersion type element ensures long lasting performance with choice of various heat input (kw) offering different hot water recovery rates.

Anode Protection - Each cylinder is provided with a magnesium anode rod to protect it against corrosion, a process well proven in years of application.

Safety Protection –Each cylinder is provided with a pressure relief valve. It protects the cylinder against excessive pressure by releasing its contents safely to the floor trap via the drain pipe.

Compliance - Australian certification Watermarks, International electrical safety certification IEC60335, and European certification CE

Customized - We can make the customized cylinder according to customer's requests.

Unvented Enamel Hot Water Storage Cylinders

1) Cylinders without heat exchanging coil

Model	Capacity(Liter)	Electric element (kw)	Working Pressure(bar)	Remarks
AG-80	80	1.5	6	1, Electric Element, Thermostat, P/T Valve, Check valve and Anode bar are included. 2, P/T Valve is imported from Canada, Thermostat is imported from USA.
AG-100	100	1.5	6	
AG-120	120	1.5	6	
AG-150	150	1.5	6	
AG-200	200	2.5	6	
AG-250	250	2.5	6	
AG-300	300	2.5	6	
AG-400	400	3.0	6	
AG-500	500	3.0	6	



2) Unvented Cylinder with Single copper coil / Double copper coils

Model	Capacity (Liter)	Exchanger Area (m ²)	Exchanger Area (m ²)		Electric element(kw)	Working Pressure (bar)
			Top Exchanger Area (m ²)	Bottom Exchanger Area (m ²)		
AGC-80	80	0.4	--	--	1.5	6
AGC-100	100	0.6	--	--	1.5	6
AGC-120	120	0.6	--	--	1.5	6
AGC-150	150	0.6	--	--	1.5	6
AGC-200	200	0.6	0.4	0.6	2.5	6
AGC-250	250	0.7	--	--	2.5	6
AGC-300	300	0.7	0.4	0.7	2.5	6
AGC-400	400	0.8	0.5	0.8	3.0	6
AGC-500	500	0.8	0.5	0.8	3.0	6

Note:

1. Electric Element, Thermostat, P/T Valve, Check valve and Anode bar are included.
2. Copper coil size: diameter Ø16mm, thickness 1.0mm.



3) Unvented Cylinder with Single enameled steel coil / Double enameled steel coils

Model	Capacity (Liter)	Exchanger Area (m ²)			Electric element (kw)	Working Pressure (bar)
		One Enameled Steel Coil	Two Enameled Steel Coils			
		Exchanger Area (m ²)	Top Exchanger Area (m ²)	Bottom Exchanger Area (m ²)		
AGE-80	80	0.47	--	--	1.5	6
AGE-100	100	0.47	--	--	1.5	6
AGE-120	120	0.47	--	--	1.5	6
AGE-150	150	0.94	--	--	1.5	6
AGE-200	200	0.94	0.47	0.94	2.5	6
AGE-250	250	0.94	--	--	2.5	6
AGE-300	300	0.94	0.94	0.94	2.5	6
AGE-400	400	0.94	0.94	0.94	3.0	6
AGE-500	500	0.94	0.94	0.94	3.0	6

Note:

1. Electric Element, Thermostat, P/T Valve, Check valve and Anode bar are included.
2. Enameled steel coil size: diameter Ø25mm, thickness 2.0mm.



Specifications

Model	SG-80	SG-100	SG-120	SG-150	SG-200	SG-250	SG-300	SG-400	SG-500
Capacity	80	100	120	150	200	250	300	400	500
Inner cylinder	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,	Enameled Steel (Steel BTC340R,
Outer cylinder	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –	Galvanized steel (Color –
Insulation	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 45mm	Polyurethane 54mm	Polyurethane 54mm	Polyurethane 50mm	Polyurethane 50mm
Inlet/Outlet	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Dimension	Ø458x940	Ø458x1140	Ø458x1295	Ø528x1165	Ø528x1485	Ø650x1280	Ø650x1510	Ø718x1560	Ø718x1700
Packing	595x595x104	595x595x124	595x595x140	625x625x131	625x625x164	730x730x140	730x730x162	820x820x164	820x820x178