

Hot water cylinder for DHW AFK, AFK-INOX

The AFK and AFK INOX systems for the fast production of domestic hot water are composed of two parts: a Flexy or Boil storage tank with a capacity of up to 2000l and an AFK kit. The AFK kit consists of a high efficiency gasketed plate thermal exchange unit and a circulation pump on the domestic water circuit. Because of the possibility of combining the AFK kit with a large number of storage tanks, we can come up with many options for the fast production of domestic hot water in small and medium-sized buildings (houses, restaurants, hotels, sport centres, etc.). It is also possible to couple the storage tank with an external heat exchanger. This reduces the stress on the system and optimizes the equilibrium between the power of the heater (or heat generator) and the performance of the heat exchanger.

This makes it possible to:

- ✓ opt for a smaller tank than with a traditional water heater
- ✓ customize the combination of the storage tank's volume and the thermal capacity of the heat exchanger

With the SLC electronic control unit you can manage the system by using the pre-set hydraulic schemes, which makes it possible to optimize and control the functioning of the system.



❖ How to compose the AFK system you want?

1. take the code of the AFK kit with the desired power
2. take the code of the storage tank or the water heater you want to connect (see Flexy and Boil sections)
3. if desired, choose one of the accessories

The AFK kits consist of:

- ✓ a K042 gasketed plate heat exchanger with a various number of plates depending on the power which has to be exchanged
- ✓ high efficiency recirculation pump
- ✓ chrome-plated brass pipe fittings

✓ Materials

The heat exchange unit, i.e. the K042 heat exchanger, is made of corrugated AISI 316 stainless steel plates, encased in a carbon steel frame. The frame is varnished with epoxy dust and closed with galvanized steel bolts and nuts.

The plates are separated with NBR or EPDM (on demand) gaskets. The body of the storage tank, the internal protective treatments and the available insulation are indicated in the sections on the Flexy and the Boil water heaters in this catalogue.

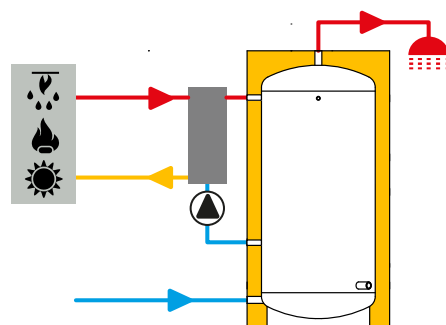
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Kit AFK



Flexy series p.108
Flexy Blue series p. 110
Flexy Inox series p. 112



Code.	Accessory	Price
843090014X	AFK insulation kit for heat exchanger and pipe fittings	
822120028	SLC electronic control unit (see. pag. 266)	

Size of the exchanger l	Power kW	Continuous DHW production l/h	dP Primary kPa	Couplings inch	Min-max power of the pump W	Tension V/Hz/ph	Min-max current A
K042/09	35 14*	859	18	1"1/4	3-140	230/50/1	0,04-1,1
K042/15	70 24*	1717	24	1"1/4	3-140	230/50/1	0,04-1,1
K042/21	115 34*	2862	33	1"1/4	3-140	230/50/1	0,04-1,1
K042/25	150 40*	3721	39	1"1/4	3-140	230/50/1	0,04-1,1
K042/33	200 53*	4866	39	1"1/4	3-140	230/50/1	0,04-1,1

Performance calculated with the following temperatures:
primary 80-60 °C and domestic water 10-45 °C * primary 55-50 and domestic water 35-45 °C

Size of the exchanger	Code	Price	Packed	
			Dimensions cm	Weight kg
K042/09	841060038X		105x41x27	38
K042/15	841060039X		105x41x27	40
K042/21	841060040X		105x41x27	42
K042/25	841060041X		105x41x27	43
K042/33	841060042X		105x41x27	45