

Number of People Served by a Water Cooler

There are different methods that can be used for calculating how many people can be served by a water cooler:

- US Standards
- Daily Recommended Intake

US Standards:

There is an American standard ANSI/ARI 1020-94 which gives an indication of how many people can be served by a mains fed water cooler. The information given below takes the content of this standard and converts it into metric units:

If a cooler produces 4 litres of cold water per hour, then it will be able to supply water to the following number of people:

- Office, hospital, schools: 25 people
- Light manufacturing: 15 people
- Heavy manufacturing: 12 people
- Hot, heavy manufacturing: 10 people

The table below shows how many people can be served by a range of standard OASIS POU and pressure coolers:

Application	Number of People Served				
	Kalix	P8ACY	PLF10CPY	R12Y	PLF14FAY
Offices, schools, Hospitals, etc.	50	200	250	300	350
Light Manufacturing	30	120	150	180	210
Heavy Manufacturing	24	96	120	144	168
Hot, Heavy Manufacturing	20	80	100	120	140

Daily Recommended Intake:

It is recommended that the average adult should consume approximately 2 litres of water per day. Assuming that all of this water is consumed as chilled drinks through a water cooler during an 8 hour period, then the following table can be generated:

Number of People Served				
Kalix	P8ACY	PLF10CPY	R12Y	PLF14FAY
32	122	152	182	213

Following should be noted:

- Values calculated based on “Daily Recommended Intake” are very similar to those obtained for the “Light Manufacturing” application according to ANSI/AHAM 1020-94
- Daily Recommended Intake does not take account of working environment