



## Estimating an electric shower installation? Check these items

Location	Check for	If not present
Consumer unit/fuse box	Spare slot for MCB	Need a shower consumer unit, and split meter tails
Consumer unit/fuse box	RCD or incoming ELCB	Need a shower consumer unit, and split meter tails
Consumer unit/fuse box	Equipotential bonding (earthing) of incoming elec. company earth to consumer unit, gas and water pipes within 0.6m of main incoming valve. Check a cable runs from consumer unit or earth bar by CU to each of gas meter and water stop cock.	Need to install equipotential bonding, Cost is about access and hence time to get 10mm <sup>2</sup> cable in
Bath/shower room	Supplementary bonding – linking together of all metal and power outlets e.g. fans, razor sockets, pipes, radiators. Usually achieved by earth cable between pipes, sometimes in adjacent cupboard and to electrical fittings	Need to install. Cost is about access and hence time to get 4mm <sup>2</sup> cable in.  Note – if pipes plastic then not required but includes central heating rads
Consumer unit to shower via a ceiling pull switch in the bathroom (or a wall switch in an adjacent e.g. airing cupboard)	Access for cable run for 10mm <sup>2</sup> twin & earth cable	n/a
Bathroom	Cold water feed to shower	n/a

These installations need to be certified and cannot be if all the above electrical points are not taken care of.