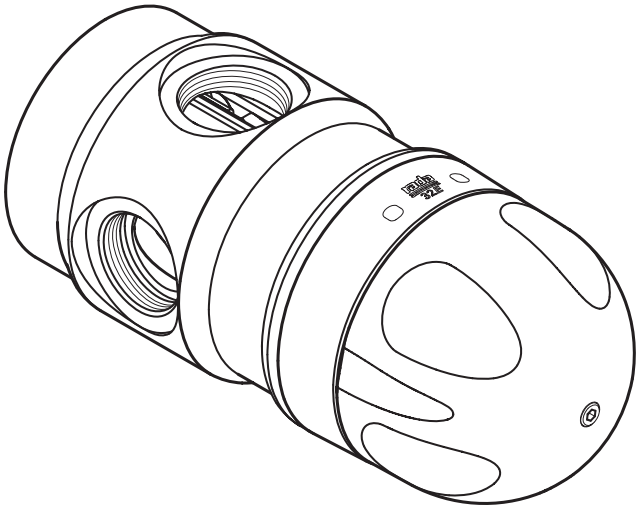
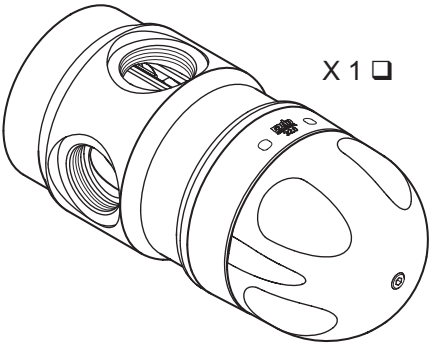
32E



Product Manual

***Installer**: This manual is the property of the customer and must be retained with the product for maintenence and operational purposes.*

32E BSP



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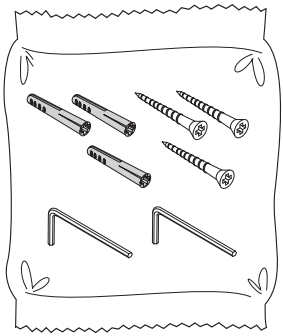

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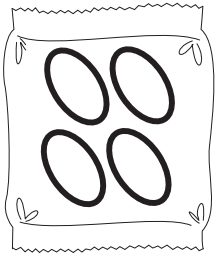

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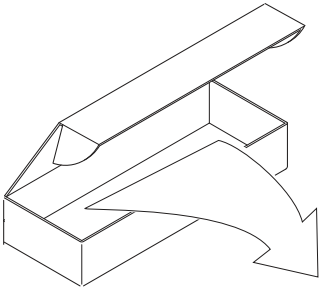

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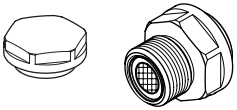

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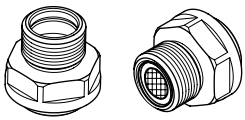

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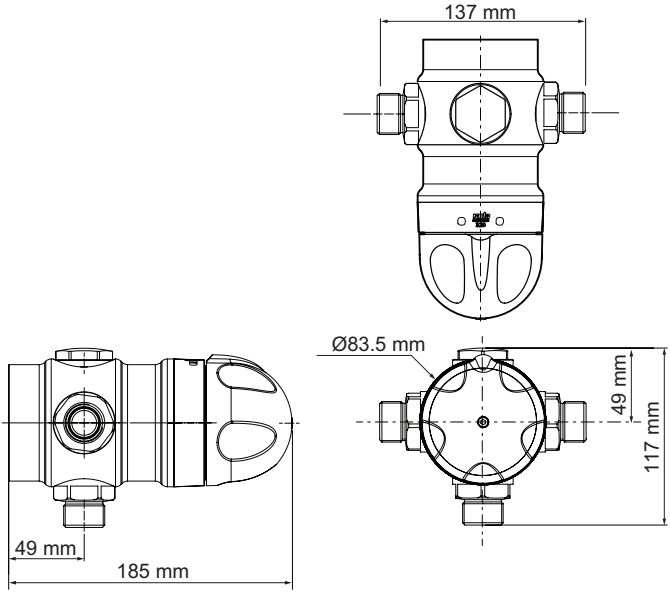

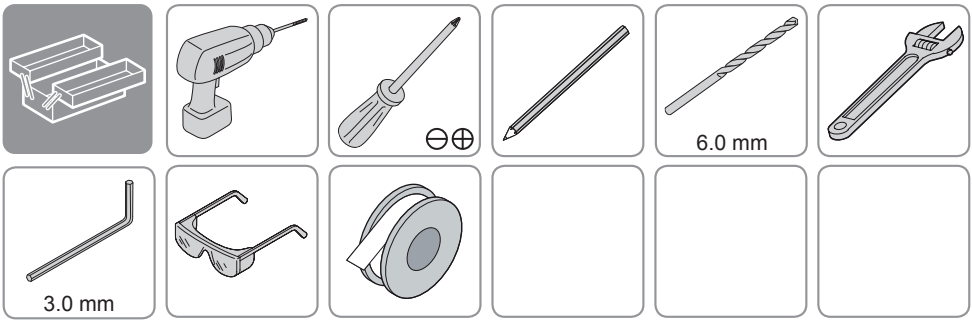

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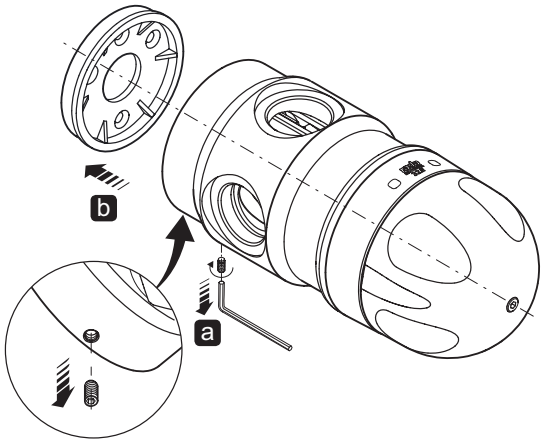

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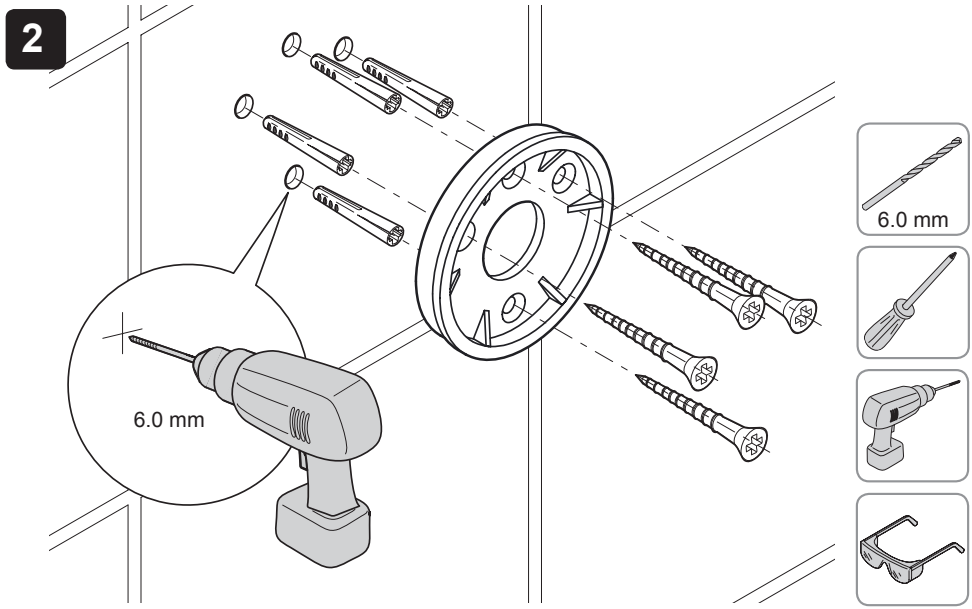
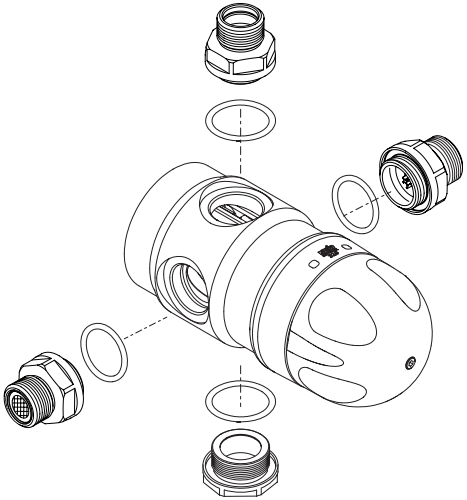
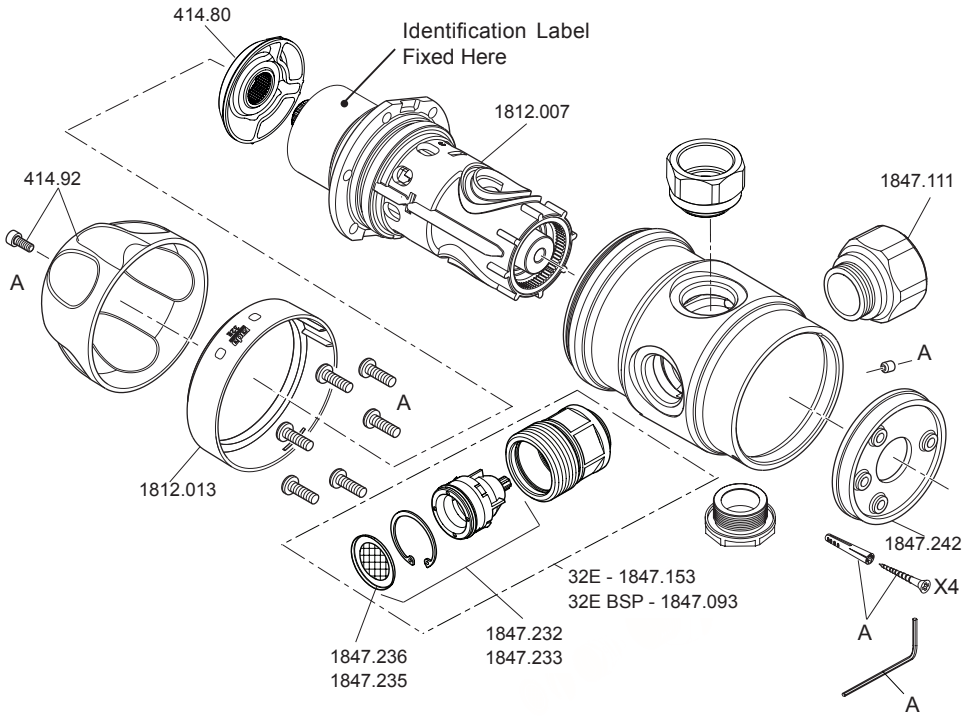


3 Install the connections

32E BSP



Spare Parts



No:	Description
1812.007	Cartridge Assembly
414.80	Hub Pack
1847.24	Backplate
1847.242	Knob Pack
523.19	Compression Fitting - Not Illustrated
1847.093 (3/4" BSP)	Connector Pack
1847.111 (1" BSP)	Female BSP Pack
1847.153	Elbow Connection Pack
1847.227	Seal Pack - Not illustrated
1847.229	Screw Pack - '**A**'
1812.013	Indicator Trim
1847.233 (3/4") 1847.232 (1 - 1/4")	Inlet Service Pack
1847.235 (3/4") 1847.236 (1 - 1/4")	Filter Pack x 2 Filters

Fault Diagnosis

Symptom	Cause/Action
1. Only Hot or Cold Water From Outlet	**a.** Inlet supplied reversed (i.e. hot supply to cold inlet) can be diagnosed by isolating the inlet supplies and removing the valve cartridge. With cartridge removed, turn the water on at each supply individually and at a very low flow rate (water will run out of the front of the valve body). Identify which inlet is the hot supply and which is the cold supply. Re-install the cartridge matching the raised H and C on the cartridge body to the inlets as identified.
	b. No hot water reaching mixing valve. Check
	c. Check strainers and inlet fittings for blockage.
	d. Refer to symptom 5 below.
	e. Installation conditions continuously outside operating parameters
	f. Normal function of mixing valve: indicates hot water inlet supply failure/ interruption.
2. Fluctuating or Reduced Flow Rate	Normal function of mixing valve when operating conditions are unsatisfactory.
	a. Check strainers and inlet/outlet fittings for flow restriction.
	b. Ensure that minimum flow rate is sufficient for supply conditions.
	c. Ensure that dynamic inlet pressures are nominally balanced
	d. Ensure that inlet temperature differentials are sufficient.
	e. (Subject to rectification of supply conditions). Check the thermostatic performance; renew cartridge assembly if necessary.
	f. Normal function of mixing valve: indicates hot water inlet supply failure/ interruption.
3. No Flow From Mixing Valve Outlet	Check that inlet flow controls are fully open.
	a. Check strainers and inlet/outlet fittings for blockage.
	b. Cold supply failure; thermostat holding correct shutdown function: rectify, and return to **2e above**.
4. Blend Temperature Drift	Indicates operating conditions changed.
	a. Refer to symptom **2 above**.
	b. Hot supply temperature fluctuation (rectify and refer to Commissioning).
	c. Supply pressure fluctuation (rectify and refer to Installation).
5. Hot Water in Cold Supply or Vice-Versa	Indicates check valves require maintenance (refer to Maintenance).
6. Water Leaking form Valve Body	Seal (s) worn or damaged.
	a. Obtain seal pack, renew all seals.
	b. (If leak persists from around temperature spindle). Renew cartridge assembly.
7. Cold Water does Not Flow After Hot Supply Failure	**a.** Incorrect valve model installed. Check and rectify.
	b. Incorrect internal cartridge installed. Check identification code and rectify
	c. Check strainers and inlet/outlet fittings for blockage
	d. Cold supply failure.
8. Hot Water continues to Flow After Cold Supply Failure	**a.** Incorrect Valve commissioning. Validate the Commissioning.
	b. Insufficient temperature differential see validate commissioning.