

## ***E-Series: Service & Maintenance Instructions***

### ***Annual Service***

- ☐ Check that the pressure gauge indicator is within the green sector (operating pressure 12bar).
- ☐ Check that the pressure gauge is operational; if not withdraw the extinguisher from service.
- ☐ Weigh the extinguisher for correct weight; for gross weight, refer to manufacturing specification.
- ☐ Inspect exterior of the extinguisher for signs of damage or corrosion, if found withdraw from service.
- ☐ Inspect extinguisher hose and nozzle for signs of damage, corrosion or blockage, if found, fit new.
- ☐ Ensure nozzle apertures are free of dirt and debris (**essential for ensuring correct performance**).
- ☐ Ensure that the extinguisher operating and maintenance instructions are legible.
- ☐ Check that the safety pin can be removed.
- ☐ Fit new securing end cap.
- ☐ Record service details, including weight, on the service label



***Water Mist Fire Suppression:***  
***For when a fire alarm is just not enough***

#### Model Numbers:

ESYS1L2LCEX - 1 Ltr Water Mist  
ESYS3L6LCEX - 3 Ltr Water Mist  
ESYS6L9LCEX - 6 Ltr Water Mist

## ***Maintenance & Refilling:***

- ☑ Check for signs of damage or corrosion to the extinguisher. If found; do not continue with the recharge and mark "Condemned".
- ☑ Ensure that the extinguisher operating and maintenance instructions are legible.
- ☑ Relieve pressure by slowly squeezing the Valve Levers together, pointing the Discharge Nozzle down and away from the body.
- ☑ Remove the Discharge Hose and Nozzle, check for signs of damage and ensure apertures are free of dirt and debris; if found; replace with new nozzle. (Nozzle Code: ESYSNELAN)
- ☑ Place the extinguisher into the Jewel Saffire extinguisher Universal Service Clamp (USCS) and using the Jewel Saffire Valve Spanner (JSSSJSP) slowly undo the valve, allowing residual pressure to vent (do not use incorrect fitting spanners).
- ☑ Carefully remove the Dip Tube / Pulsator and Valve Assembly and put to one side; ensure parts are placed in a clean area, free from possible contamination.
- ☑ Empty the extinguisher and rinse.
- ☑ Inspect the inside of the extinguisher for corrosion or damaged lining. If found do not continue with the recharge and mark the unit as "Condemned".
- ☑ Inspect the Dip Tube / Pulsator and Valve Assembly for signs of damage. If damage found fit new Dip Tube/ Pulsator.  
ESYS1L2LCEX – Pulsator Code = EYSV1L2LPS  
ESYS3L6LCEX – Pulsator Code = EYSV3L6LPS  
ESYS6L9LCEX – Pulsator Code = EYSV6L9LPS
- ☑ Remove the Valve 'o'-ring. Clean cylinder neck ring threads and 'o' ring seal. Lubricate cylinder neck ring thread and 'o' ring seat with a smear of silicone gel.  
Fit and replace with a new 'o'-ring



## ***Maintenance & Refilling:***

- ☑ Re-fill the extinguisher cylinder with filtered demineralised water. For correct fill volume, refer to the extinguisher label or manufacturing specification (refer to BS EN 3-7 for filling tolerances).
- ☑ Carefully slide Rota & valve Assembly into the body of ext and align valve, tighten it up with the spanner.
- ☑ Squeeze the valve levers together and pressurise with nitrogen, through the hose outlet, using the Jewel Saffire E-Mist pressurising adaptor; to 12 bar (slow pressurisation is required to avoid damaging the pulsator); release the Valve Levers, refit Safety Pin and fit new Tamper Seal; unscrew the Pressurising Adaptor.



## ***Check for leaks.***

- ☑ Refit the Discharge Hose and Nozzle; place Hose Nozzle into Stowage Socket.
- ☑ Record the weight of filled extinguisher and recharging details on the service label.



***Servicing and maintenance must be carried out by a certificated, competent, person in accordance with the latest version of BS 5306-3 and these Service and Maintenance Instructions.***

## ***Manufacturers Specification***

	ESYS1L2LCEX	ESYS3L6LCEX	ESYS6L9LCEX
Filled weight	2.9kg	7kg	11.5kg
Fill Volume	1 ltr	3 ltrs	6 ltrs
Agent	Demineralised Water		
Warranty	5 years		
Extended Maintenance Test (discharge test)	5 yearly		
Mandatory Parts Replacement	Pulsator Set & Nozzle: 5 yearly		

## Notes

[illegible]