



# EnwaMatic<sup>®</sup>

**Side stream filtration and water treatment for closed heating and cooling systems**



**PROTECT**  
NEW BUILDS

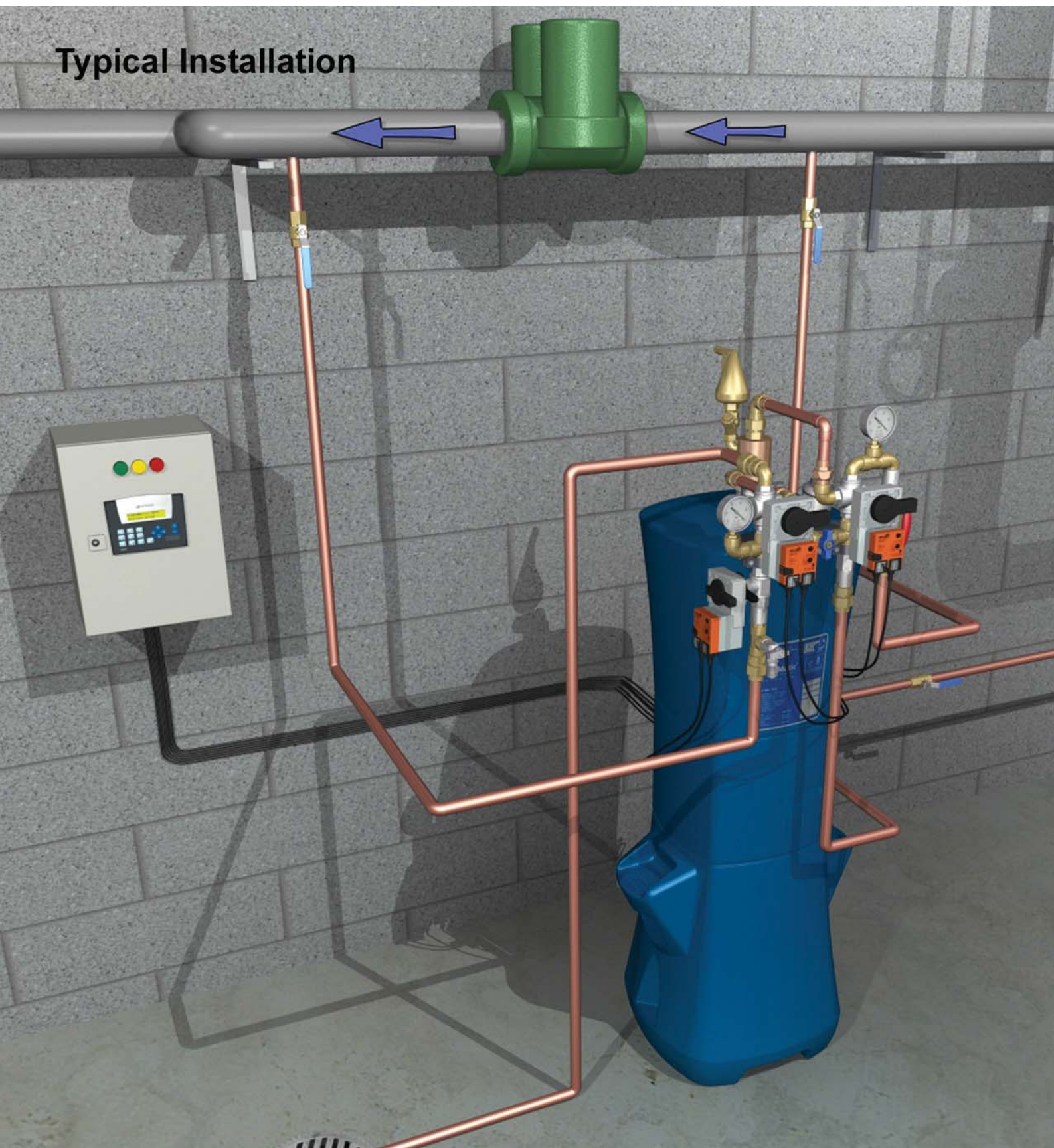


**ENHANCE**  
REFURBISHMENTS



**RESTORE**  
EXISTING SYSTEMS

# Typical Installation



**“The EnwaMatic is always preferred for our district heating schemes as we achieve consistent water quality with filtration down to 5 microns, which is essential with heat interface units using plate heat exchangers with very small waterways. Visual indication of turbidity through the flow meter sight glass confirms how well the units operate.”**

Gary Kimber, Operations & Maintenance Manager EON Sustainable Energy



## Clients include:

Hilton  
Ramada Jarvis  
Radisson Blu  
Marriott  
Marks and Spencer  
Harvey Nichols  
Harlequin Centre  
Debenhams

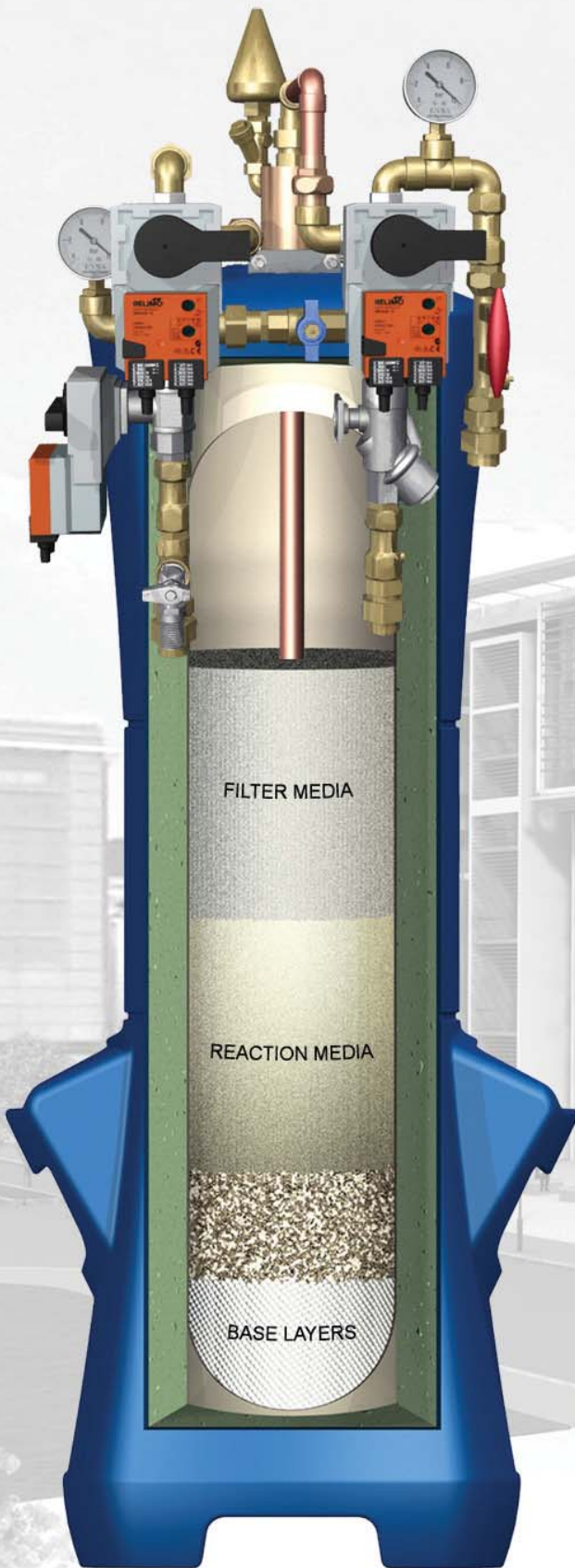
UBS  
Lloyds  
Barclays  
Merrill Lynch  
Global Switch  
Credit Suisse  
Morgan Stanley  
Standard Chartered

MOD, BAE  
National Physical Laboratory  
CAFRE, DEFRA  
National Grid  
Heathrow T5  
South Yorkshire Police  
HMP Full Sutton  
Guildford Crown Court

*Universities include:*  
Leicester  
Hertfordshire  
Bristol, Essex,  
Portsmouth  
Brighton, Derby  
Nottingham Trent  
Warwick, Glasgow

*District Heating:*  
Chalvey Zero Carbon  
Seaton CHP Aberdeen  
Reflections of Romford  
Colindale (Eon)  
University of Warwick  
Barrier Park East  
Orchard Village (SSE)

*Hospitals include:*  
Royal Hallamshire  
Golden Jubilee  
St.Mary's Paddington  
Southampton General  
Glasgow Royal Infirmary  
Great Ormond Street  
Lymington



**Corrosion inhibition**



**Side stream filtration  
to < 5 microns**



**Scale control**



**Environmental control  
of bacteria**



**Air separation**



**Prolongs system lifespan**



**Ensures reliable operation**



**Improves energy efficiency**



**Reduces maintenance costs**



**Environmentally sound technology**



**Improved Health & Safety profile**



**Regulates pH, hardness and  
alkalinity**



**Self regulating process maintains  
effective treatment where water  
exchange occurs**



**Cost effective alternative to  
chemical dosing**



**Non scouring solution for  
refurbishment projects.**



**Direct replacement for traditional  
in-line dirt and air separators**

“The provision of a reliable technology combined with a structured maintenance routine has alleviated concerns over maintaining water quality in our HVAC systems. We will continue to fit them in new build and refurbishments”.

Tim Jones, Sustainability Engineer, BAE Systems

**BAE SYSTEMS**





	System Volume (m3)	Equivalent Approx kW	Flow rate l/min	Dimensions (mm) W * D * H	Weight (full) KG	Inlet / Outlet " / mm	Mains / Waste " / mm
EM 825	0 - 5	0 - 400	2-5	597 * 477 * 1440	60	3/4" / 22	1/2" / 15
EM 1252	5 - 15	400 - 1250	10-15	597 * 477 * 1640	150	3/4" / 22	3/4" / 22
EM 1260	15 - 40	1250 - 3330	25-30	597 * 477 * 1940	180	3/4" / 22	3/4" / 22
EM 1665	40 - 80	3330 - 6660	60-80	697 * 577 * 2054	325	1" / 28	3/4" / 22
EM 1672	80 - 130	6660 - 10,830	90-110	697 * 577 * 2254	390	1 1/2" / 40	3/4" / 22

**Insulated stainless steel vessels to 10 bar, 95 C.**

**Bespoke units for larger system volumes, high temperatures (140 C) and high pressures (25 bar).**

**Filter Only options for systems with Aluminium.**

**Automated backwash options.**

**Glycol retaining automated backwash option.**

**Mini / Midi systems for volumes < 1500 litres.**

**Fluid Category 4 breaktank / booster assemblies for backwash water supply.**

**Volt free BMS outputs, with Modbus RS485 option.**



**BESPOKE BS 1252 - PN16**



Members of:

Clean Water Norway  
Association of water treatment companies





**AIR SEPARATION**



**pH CONTROL**



**FILTRATION**



**SCALE CONTROL**



**CHEMICAL INHIBITORS**



**AUTOMATED DOSING**

