

COMPLIANCE EXPERTISE

HOW TO COMPLY WITH
CATEGORY 5 BACKFLOW
PREVENTION WATER
REGULATIONS



ENDURAMAXX®

FLUID MANAGEMENT INNOVATION



WHAT ARE THE WATER SUPPLY (WATER FITTINGS) REGULATIONS AND SCOTTISH WATER BYELAWS?

The Water Supply (Water Fittings) Regulations and Scottish Water Byelaws play an important role in protecting public health, safeguarding water supplies and promoting the efficient use of water within customers' premises across the UK.

They set legal requirements for the design, installation, operation and maintenance of plumbing systems, water fittings and water-using appliances. They have a specific purpose to prevent misuse, waste, undue consumption or erroneous measurement of water and, most importantly, to prevent contamination of drinking water.

WHAT HAPPENS IF WE'RE FOUND NOT TO COMPLY?

If your site or property is found to be in contravention of the water regulations, it can be a costly exercise. It applies to all users of water and is a criminal offence to contravene the regulations or byelaws and offenders may face prosecution.

Those found guilty will have a criminal record, be fined and may have to pay costs. The water provider will require that the breaches are to be rectified as soon as practicable. Where breaches pose a risk to health or there is a significant waste of water, the water supply to the premises may be disconnected immediately to protect public health and prevent waste or damage to premises.

FLUID CATEGORY – RISK TO HEALTH	TYPICAL BACKFLOW DEVICE WHICH MAY BE USED
Drinking water – no risk	No backflow prevention device needed
Slight change in taste, odour or temperature – slightly unpleasant	Single check valve required
Chemicals of low toxicity – slight health hazard	Double check valve required
Toxic chemicals or carcinogenic substances – significant health hazard	Reduced Pressure Zone (RPZ) valve or break cistern incorporating a Type AF Air Gap
Radioactive or very toxic substances, faecal and pathogenic organisms – serious health hazard	Break cistern incorporating a Type AA or AB Air Gap

THE ABOVE TABLE GIVES A SIMPLE OVERVIEW OF THE FLUID CATEGORIES AND TYPICAL BACKFLOW PROTECTION DEVICES WHICH COULD BE USED.

HOW CAN I MAKE SURE I COMPLY WITH WATER REGULATIONS?

MAKE SURE YOU'RE COVERED WITH OUR SIMPLE 4 STEP GUIDE.

DO CATEGORY 5 REQUIREMENTS APPLY TO ME AND HOW CAN I MAKE SURE I COMPLY WITH WATER REGULATIONS:

1. SEEK PROFESSIONAL GUIDANCE:

Your water board will have a technical team who are there to answer your queries and provide guidance to ensure your water systems comply with regulations. Manufacturers of WRAS approved products such as Enduramaxx will also be able to make sure you're specifying or buying the right equipment.

2. GET APPROVAL FOR YOUR PROPOSED WORK:

Again, your water board can advise on proposed plumbing and tank installation work and will be able to advise you on your proposed scheme to make sure it will comply. It is well worth investing some time at this stage to see whether your proposed work requires approval from any regulatory body such as building regulations or a water board inspection.

3. SPECIFY AND USE APPROVED PRODUCTS:

It is important that only WRAS approved products are used and requirements such as Category 5 backflow prevention are carefully considered (refer to the table on page 3 for clarification). Water boards throughout the UK are becoming very proactive and have full authority to enter your site or property to make sure compliance is adhered to. Using approved products is essential. When speaking with manufacturers, be sure to ask for certification that backs their claims of compliant products.

4. USE QUALIFIED CONTRACTORS:

If you are not approved yourself, it is strongly advisable to use approved contractors. Your water board will be able to advise you of who to use. Approved contractors will have had training and accreditation to carry out audit inspections to ensure they meet the required standards. Be sure to ask for certification too.

We are the UK's leading manufacturer of chemical storage products and utilise the very latest rotational moulding and UV stabilisation technologies. We construct all our tanks using the very highest-grade materials ensuring exceptional quality and durability.

WRAS and DWI Approved



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FAST UK-WIDE DELIVERY

From our central manufacturing facility, close to the A1 in Lincolnshire, we can supply our extensive range of products to customers throughout the UK, Europe and beyond. Contact us for international delivery.

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