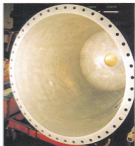




From Pipework to Vessels



The complete Fluoroplastic linings specialists

FEP Shelman offer a comprehensive range of fluoroplastic lined chemical equipment encompassing:

PTFE lined steel pipes and fittings

Chemical accessories such as dip pipes, thermowells, spargers lined in FEP, PFA and PTFE

Vessels, tanks and columns lined in FEP, PFA, PVDF and ECTFE to BS6374 Part 1

Expansion Bellows in PTFE, FEP and PFA

Rapid response for emergency shutdowns

Corrosion can strike at any time and will wreak havoc in chemical, pharmaceutical and many other processing environments. The failure of even a relatively insignificant item such as a spool piece or a dip pipe can cause the shutdown of a complete plant and the waste of sometimes thousands of pounds in lost production time. In such circumstances the need for a rapid replacement of equipment is paramount. **FEP Shelman** specialise in quick delivery of replacements equipment, which is protected by the ultimate in chemical resistant coverings; fluoroplastics. Using PTFE, FEP, ECTFE and PVDF – all of which exhibit excellent chemical resistance, **FEP Shelman** can provide fully protected accessories often within hours, allowing the plant to become operational again with the minimum of delay.

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Photo 1 – Fluoroplastic lined pipework.

Some details of the products available:

LINED PIPEWORK (see photo 1 overleaf)

Mild steel spool pieces and fittings lined in PTFE, PFA or FEP. Spool pieces cut to order. Flanged to suit customer specifications. Fittings isostatically moulded in our own premises.

We can also line your free issue steelwork.



Photo 2 – Halar ECTFE coated agitator.

DIP PIPES

Mild steel/lined internally and externally in either PTFE, FEP or PFA. Any diameter, any length, including curved and reinforced dip pipes. Also dip pipes in solid PVDF, ECTFE or PTFE.

THERMOWELLS

Covered externally with FEP or PFA. Reinforced thermowells of different diameters can also be covered.

SPARGERS

Manufactured in PVDF, ECTFE or PTFE and, if necessary supported by mild steel lined outer dip pipe. Sparger configuration to suit customer requirements.

NOZZLE LINERS

Protect or repair vulnerable nozzle areas with FEP, PFA or PTFE nozzle liners.

HEAT SHRINK COVERS

For agitator shafts. Heat shrinkable sleeves in FEP or PFA to protect or repair glass covered agitators. On site fitting can also be provided.

AGITATOR BOOTS

Heat shrinkable boots in FEP to protect or repair glass covered agitator blades. On site fitting can also be provided.

POWDER COATING (see photo 2)

Complex items of steelwork such as agitators or centrifuges can be coated in Halar ECTFE.

FLANGE SHIELDS

Transparent Teflon flange guards protect your operators from leaks at flange joints, at the same time allowing the possibility of retightening the bolts.

TANKS, COLUMNS AND VESSELS

Complete lined vessels, columns or tanks or parts of them (such as lids or manway covers) or your own existing vessels can be lined using FEP, PFA, PVDF or ECTFE. Fabric backings allow the fluoroplastic to be bonded to the steelwork to counteract vacuum conditions. All lining is carried out in accordance with BS 6374 Part 1.

ON SITE REPAIRS

Damage to existing lined vessels. This includes Polypropylene, ECTFE, PVDF, FEP, PFA lined steel or GRP. Our skilled Engineers can patch damaged linings to get the plant back into commission until such time as a more permanent solution can be found.

This is only a part of the wide range of services offered. For more details contact our Technical Sales Team.



Photo 3 – New premises at Oldham.