

## Saunders Environmental Protection

Saunders environmental protective coating has been developed specifically to provide unrivalled corrosive resistance in the industrial processing industry, the new protective coating utilises Du Pont's Tefzel™ (Ethylenetetrafluoroethylene) material.

The green Tefzel™ coating is applied before the injection moulding of the Perfluoroalkoxy (PFA) or Ethylenetetrafluoroethylene (ETFE) lining, using an electrostatic powder coating method. By coating the valve body, bonnet and hand wheel, both internal and external corrosive protection is maximised providing peace of mind in extreme corrosive material processing applications.

Available in DN 20-100 with a PFA lining and DN 20 – 150 in the ETFE lined option.



### Valve Body Linings for Saunders Valves

#### ◆ Hard Rubber – NR/HRL

Used for salts in water, dilute mineral acids, chlorine water, de-ionised water, plating solutions and potable water.

#### ◆ Soft Butyl Rubber – IIR/BL

Good for corrosive and abrasive slurries, mineral acids and acidic slurries.

#### ◆ Glass

Used in multi-process chemical plants on acids and solvents.

#### ◆ Polypropylene – PP

Main applications include mineral acids, salts in water, water and effluent treatment chemicals.

#### ◆ Ethylene tetrafluoroethylene – ETFE

Suitable for strong acids, salts in water at higher temperatures, solvents at medium temperature.

#### ◆ Perfluoroalkoxy – PFA

Most suitable for concentrated mineral acids at high temperature, aromatic, aliphatic and chlorinated solvents.

#### ◆ Polytetrafluoroethylene – PTFE

Most suitable for concentrated mineral acids at high temperature, aromatic, aliphatic and chlorinated solvents.

#### ◆ Soft Natural Rubber - AA/SRL

High abrasion resistance. Suitable for use on powders, abrasive slurries, clays, coal dust, dry fertilizer, gypsum.

#### ◆ Neoprene – NRL

Particularly suitable for animal, vegetable, fatty oils and greases. Abrasion resistance over wide pH range –used for aggressive slurries.

### Valve Body Lining Materials – Visual Process Resistance Guide

