

Technical Specification: PF20

Premaberg PF20 Filter/Coalescer Panels

The filter/coalescer panel frame is constructed from rolled channel section sized 22 mm x 19 mm x 1 mm thick. The material type being Austenitic Chromium Nickel stainless steel to BS1449: Part 2: 1983, Grade 304 S16.

Each PF20 filter/coalescer panels is manufactured with PF20 Progressively structured high performance non-woven from synthetic fibres, thermally bonded, type tested. Marked in accordance with DIN 24185, hence conforms to that standard.

Each filter/coalescer panel has two pieces of corrugated media wire support mesh, one on either side of the media. The mesh is of welded construction with dimensions of 12.5 mm x 12.5 mm x 1 mm diameter wire. The wire being Austenitic

Chromium Nickel stainless steel to BS 1449: Part 2: 1983, Grade 304 S16. The mesh has a tensile strength of 662 N/mm².

Before installation of media within the panel frame a seal is placed inside the channel to prevent air by-passing between the media edges and the frame. The seal is 4 mm thick x 20 mm wide "Wrapnex" 701 expanded closed cell neoprene, density 192 kg/m³ coated on side only with pressure sensitive, resin based adhesive protected by release paper. The specification of the neoprene seal is ASTM D, 1056, RE 43044 B2.

A neoprene seal is fixed to the downstream side of the coalescer panel. This seal is supplied in 10 m rolls, 4 mm thick x 15 mm wide and conforms to specification ASTM D, 1056 SCE 43B.