

## Case History no. 5 - Paint Filtration

Fluid : Water based paints  
Flow rate : 20 imp gpm currently (=20% additional capacity for future)  
Line size : 2"  
Retention rating : 230 microns  
Materials : all stainless steel , UHMPE doctor, EPT seals

### **Problem:-**

A multinational manufacturer of house paints wanted to automate their filling operation and use clean In Place filter so as to do away with the need for throwaway filter bags. For many years they have been using Ronningen-Petter bags filters which were installed during their last expansion. On that occasion they were actually about to purchase some old style cast st.st. strainers which would have been disastrous as a 3" unit of this type has a basket with less area than 150sq inches where as out 1 1/2" bag filters have 144 & 2" have 510 sq inches each. We persuaded them on this occasion that it would be unwise to use smaller units.

### **Solution:-**

Based on their trust in Hall Pyke and familiarity with the quality of Ronningen-Petter filters they contacted us re the DCF clean in place filter. We had literally just installed the bag filter at the time that the smaller DCF series was available so they had no budget for it at this time. In summer 1999 they were ready to invest & expand and automate their filling operation.

### **Result:-**

They purchased a DCF800 semi-automatic unit which they will incorporate within the filling line control system complete with automatic flushing etc.