

Deep Filter OIL SEPARATORS



Another common method of obtaining increased air flow capacity from a given size air-oil separator is to manufacture the element in so-called “deep filter” construction. This form of separator uses as many as three different graded of borosilicate glass, wrapped onto the support tube in larger than normal amounts. The finished product then achieves increased airflow capacity very similar to that of the pleated air-oil separator, while at the same time maintaining low initial pressure drop and residual oil content. Field testing of this element has demonstrated an improvement in oil separation especially in high “challenge rate” applications, in which more oil aerosol is contained in the compressed air than is normal.