

# Dual Wound

United Filters International (UFI) has continually served the filtration needs of the Gas and Petrochemical Industry for over 30 years. With our warehouse ideally located in Amarillo, Texas, our \$800,000 inventory supports those time urgent needs to insure rapid turn around for those unpredictable "upsets". UFI's filters are manufactured from both natural and man-made medias which include but are not limited to: cotton, nylon, fiberglass, rayon and polypropylene materials. Cores and end cap treatments are matched to interface with new or existing vessels. These caps and cores are manufactured using polymer or various metals to meet the needs of our customers. Vessels are all engineered and manufactured in accordance with ASME Standards.

United Filters provides Dual Wind Cartridges which are particularly suitable when the contaminants within the liquid cover a broad range of particle sizes. The more open outer winding traps the larger particles while the tighter internal wind captures the smaller, fine micron particles. This dual wind product provides longer cartridge life without altering the efficiency of the filter element.

Testing in accordance with ASTM F797-82 "Determining the Performance of a Filter", our dual wind elements have demonstrated the following test results

ELEMENT TESTED	ELEMENT CONSTRUCTION	AVERAGE EFFICIENCY	DIRT HOLDING CAPACITY
UP1R10P	1u Polypropylene	90.1%	34 gms.
UP20R10P	20 u Polypropylene	67.1%	107 gms.
UP1-20R10P	1 u Polypropylene (inner) 20 u Polypropylene (outer)	90.4%	113 gms.

Several field applications involving Dual Wind elements have similarly resulted in three times the normal filter life with equal or superior efficiency over single micron rated elements.

Dual Wind elements are available in various media, core, end cap and micron ratings to meet your specific requirements. United Filters can support all your filtration requirements from the common to the custom.

