



WINSTON / ROYAL GUARD CORPORATION

Wound Filter Cartridge

FOR TYPE 61 LIQUID FILTERS

WCC Series

The WCC series wound fiber filter cartridges are furnished in the Winston/Royal Guard Type 61V Vertical Liquid Filter for removal of solid contaminants from a liquid process stream. To meet the rigorous demands of industrial filtration, a large selection of fiber & core materials, diameters, lengths, and efficiency ratings are available for a wide range of applications.



Fiber material such as cotton, polypropylene, or fiberglass is wound around a center core for the desired filtration needs. The core is offered in several materials to meet the application. Furnished separately, 304 stainless steel is the standard material for the installation hardware including the spring and cup assembly for the top hold down end and the post and pedestal for the bottom tube sheet end.

BENEFITS:

- High efficiency at an economical cost.
- Low pressure drop.
- Robust support core can withstand differential pressure over 35 PSI.

OPERATION SPECIFICATIONS:

- **FLOW DIRECTION** is outside to inside.
- Available in micron ratings of 0.5, 1, 3, 5, 10, 15, 20, 25, 30, and up to 200.
- Diameters are available from 2-1/2" to 4" and lengths of 10" to 72".
- Recommended differential pressure for element change-out is 15 PSI.

STANDARD PART NUMBERS:

- **WCCU20R30T** is a typical part number.
- **U** = natural cotton (see chart below for other available materials).
- **20** is the micron size.
- **R** is the diameter of 2-1/2". Some common diameters are W= 3" and Q= 4".
- **30** is 30" long. Some common lengths are 20", 30", 36", 40", and 60".
- **T** is core of tin plated steel, **P** = polypropylene, **S** = 304 stainless steel, **A** = 316 stainless steel.

Material Code	Filter Media	Maximum Temperature	Service
U	Natural Cotton	300° F/ 149° C	Oils, solvents, paints, process water, dilute acids
F	Fiberglass	750° F/ 399° C	Acids, solvents, oils, etc. Used primarily for high temperature service
N	Nylon	300° F/ 149° C	Concentrated alkalis and hydrocarbons
E	Polyester	250° F/ 121° C	Similar to cotton and polypropylene, higher temperature resistance than polypropylene
P	Polypropylene	150° F/ 65° C	Acids, process water, alkalis
R	Rayon	300° F/ 149° C	Oils, alkalis, solvents

Specifications are subject to change without notice. 1-30-2023 (supersedes 7-28-2021)

WINSTON / ROYAL GUARD CORPORATION

P. O. Box 1145 • White Oak, Texas 75693 USA

Phone (800) 527-8465 • (903) 757-7341 • Fax (903) 759-6986

Winston-RoyalGuard.com • e-mail: sales@winston-royalguard.com

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