



# WINSTON / ROYAL GUARD CORPORATION

## *Type 61V and 61H Liquid Filters*

The Type **61V Vertical** and Type **61H Horizontal** Liquid Filters remove solid contaminants from various liquid process streams in refining, chemical, petrochemical, oil and gas, and other industries. Applications vary widely and a large variety of filter cartridges including materials and particle retention sizes are available.

**Shown at right** is the Type 61V in a skid-mounted dual configuration with isolation valves for filter change-out and flanged top with hinge and lifting handle.



**Service applications** include light hydrocarbons, acids, alkalis, process water, glycols, amines, and many other process and finished product liquids. Also for removing solid contaminants from injection well water.

**Filter Cartridges** are available in a variety of types and styles so as to meet stringent application requirements. Some examples of filter types are:

- Wound fiber depth style cartridges available with media in cotton, fiberglass, nylon, acrylic/orlon, polyester, polypropylene and Rayon. Particle retention sizes are 0.5, 1, 3, 5, 15, 20, 25, 30, and up to 200 microns.
- Melt blown filter cartridges for high viscosity liquids made of polyester and acrylic fibers in a depth style configuration. Retentions sizes are 2, 5, 10, 25, 50, 75, 125, and 150 microns. Maximum liquid temperature is 250 ° F.
- Pleated cartridges provide the maximum surface area for trapping large amounts of contaminants with the added benefit of longer service life between change-outs. For a wide range of chemical compatibilities, these cartridges are available in polypropylene, polyester, and microglass with a selection of end treatment materials and designs. Micron ratings are from 1 to 70 with efficiencies to 99.98% (beta 5000).
- High Flow cartridges for vertical and horizontal installations provide maximum surface area for higher liquid flow requirements. These cartridges are typically 6" diameter and feature handles for easy removal, O-rings for positive sealing, and are available in pleated polypropylene, polyester, microglass, and other materials.

**Options include:**

- Support legs or skirt.
- Lifting eye(s).
- Quick-opening closure providing easier access for cartridge change-outs.
- Dual skid-mounted with valves and piping for ease of installation.
- Other customer requirements.

**ASME Code Certified:** Winston/Royal Guard is an ASME Section VIII, Division 1 Code certified manufacturing facility with National Board certification. Capabilities include all types of non-destructive testing with a rigidly controlled Quality Control system.



# Type 61V Vertical Liquid Filters

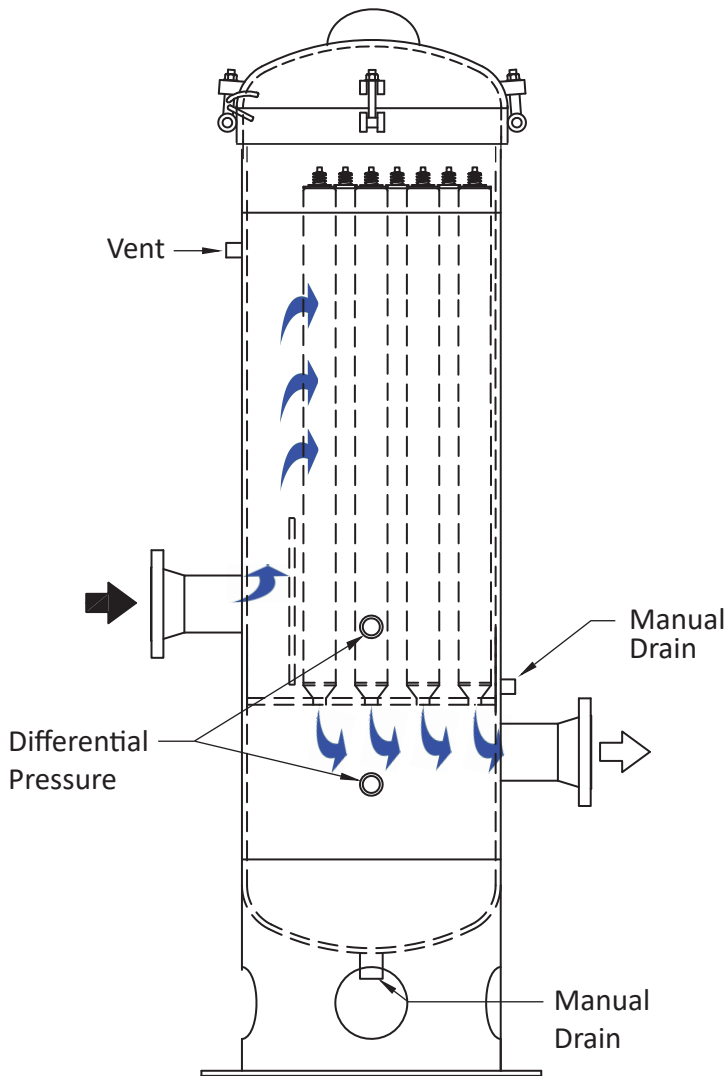


WCC Series wound fiber filter cartridges



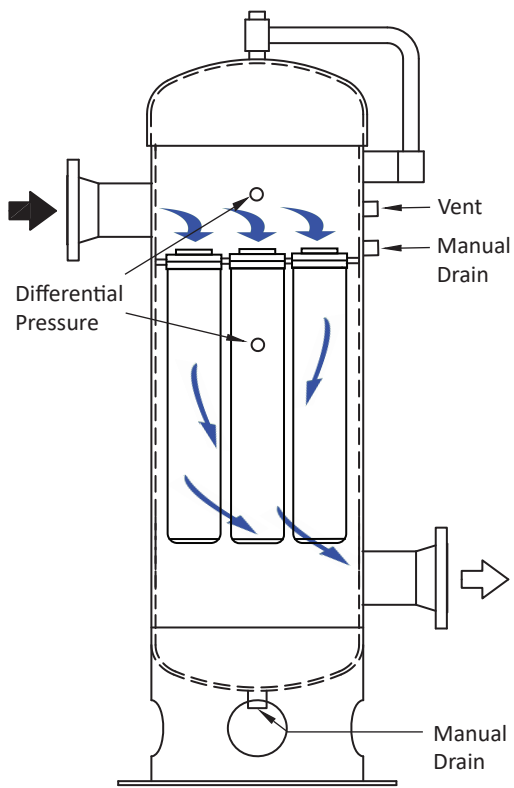
WLP-L Pleated Series filter cartridges

Flow direction is outside to inside through 2-1/2" diameter filter cartridges





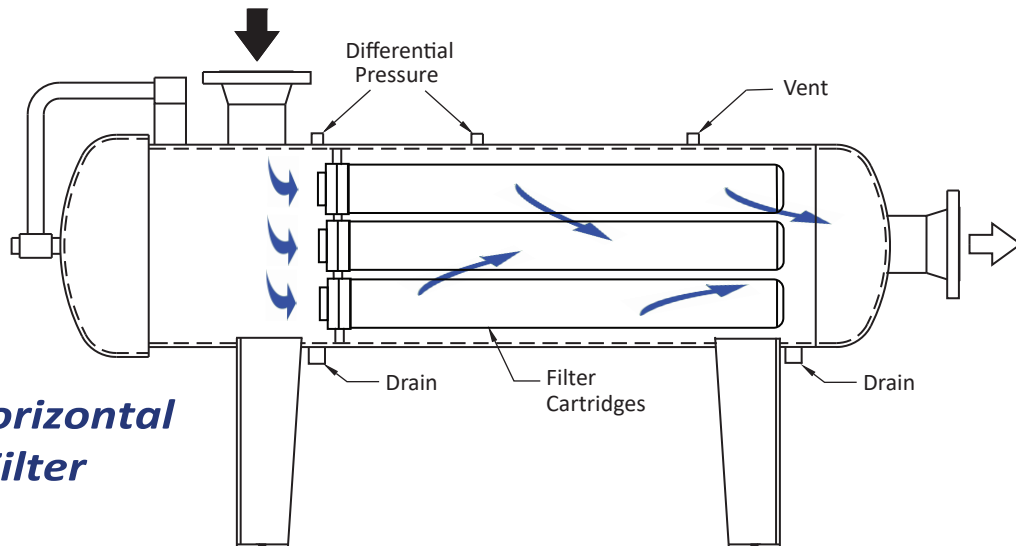
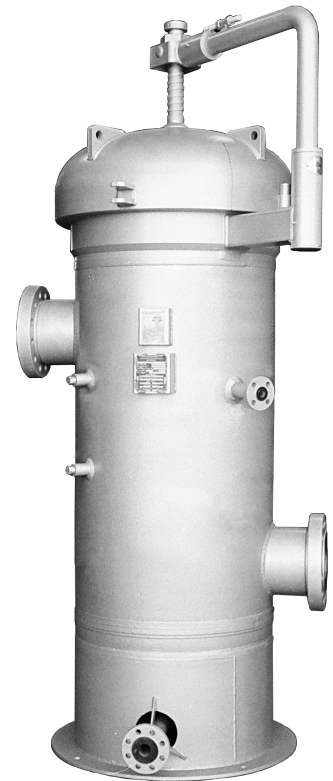
# Type 61V and 61H Liquid Filters with High Flow Filter Cartridges



WHFP-L Pleated Series  
filter cartridges

Flow direction is inside  
to outside through 6"  
diameter filter cartridges

## Type 61V Vertical Liquid Filter



## Type 61H Horizontal Liquid Filter

Specifications are subject to change without notice. 6-20-2019 (supersedes 2-5-2018)

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