

RELIABLE FILTRATION



CANDECOL

CARTRIDGE FILTER

HOBRA ŠKOLNÍK

FILTER MEDIA
FILTER EQUIPMENT AND TECHNOLOGY



CANDECOL

CANDECOL cartridge filters are characterized by their extra manufacturing quality and are manufactured only of high-quality stainless steel, namely with high chemical resistance (AISI 316L) or for food-processing purposes (AISI 304). The filters consist of a frame on three footings, a detachable case and a fixing segment. They are produced in several basic sizes with various versions of equipment on the inlet and outlet, but also in various unit versions on a unified base. This equipment is advantageous due to its closed filtration without contact with air, dripless, simple and fast installation of cartridges and their easy regeneration. Another advantage is the vertical arrangement of the equipment with low requirements for the water amount for regeneration, sanitation and sterilizing. CANDECOL cartridge filters can be applied in beverage production, pharmaceutical, chemical and cosmetic industries, as well as for applications in biotechnologies. Also, "VS" versions are available, designed especially for applications in the beverage industry including wine production and they have very good quality versus price ratio.

Regarding long-term experience in liquid filtration, HOBRA is able to offer a customized specific solution of the entire filtration process. CANDEFILT filter cartridges are the ideal filtration medium for CANDECOL filtration devices, available for all conventional applications.

Available types and applications:

CANDECOL 1/1 / CANDECOL 1/1 VS

Steel: AISI 316L / AISI 304
Number of cartridges: 1x 10"
Adapter: 2.226 (two-wing bayonet)
Working pressure max.: 10 bars / 6 bars
Working temperature max.: 95°C
Short-time temperature: up to 140°C
Vessel volume: 2.7 l
Sealing: silicone, EDPM

CANDECOL 3/3

Steel: AISI 316L
Number of cartridges: 3x 30"
Adapter: 2.226 (two-wing bayonet)
Working pressure max.: 10 bars
Working temperature max.: 95°C
Short-time temperature: up to 140°C
Vessel volume: 28.2 l
Sealing: silicone, EDPM

CANDECOL 8/3

Steel: AISI 316L
Number of cartridges: 8x 30"
Adapter: 2.226 (two-wing bayonet)
Working pressure max.: 8 bars
Working temperature max.: 95 °C
Short-time temperature: up to 140°C
Vessel volume: 73.0 l
Sealing: silicone, EDPM

FILTRATION SETS (SPECIAL SOLUTION)

Upon customer requirement we can also offer specific solutions such as filtration sets (columns) consisting mostly of several cartridge filters depending on the required application. In the set the HOBRACOL sheet filter or ORBICOL module filter can also be used. In addition, application of the pump is nothing unusual, e.g. with a frequency converter for flow control. In this regard HOBRA can offer everything, beginning from design, modification and manufacture to the delivery of the comprehensive filtration unit.

Picture 1 illustrates a two-way (red and white wine) membrane colony with pre-filtration where four Candecol 3/3 filters are used and for service water filtration, also one Candecol 1/1 VS. The unit is completed by a pump and fixed on the mobile frame.

Picture 2 illustrates a two-way (red and white wine) membrane colony without pre-filtration where two Candecol 1/3 VS filters and for service water filtration, one Candecol 1/1 VS filter is also used. The unit is completed with a pump and fixed on the mobile frame.

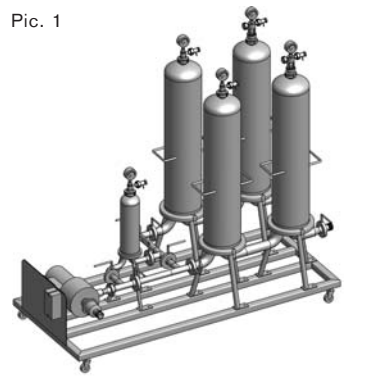
CANDECOL 1/3 / CANDECOL 1/3 VS

Steel: AISI 316L / AISI 304
Number of cartridges: 1x 30"
Adapter: 2.226 (two-wing bayonet)
Working pressure max.: 10 bars / 6 bars
Working temperature max.: 95°C
Short-time temperature: up to 140°C
Vessel volume: 6.7 l
Sealing: silicone, EDPM

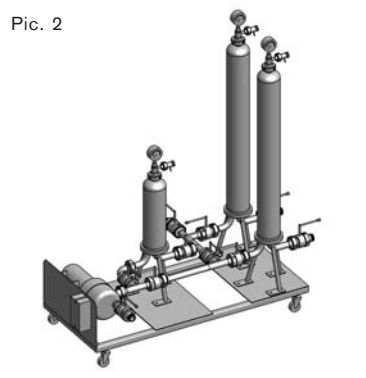
CANDECOL 5/3

Steel: AISI 316L
Number of cartridges: 5x 30"
Adapter: 2.226 (two-wing bayonet)
Working pressure max.: 10 bar
Working temperature max.: 95°C
Short-time temperature: up to 140°C
Vessel volume: 28.2 l
Sealing: silicone, EDPM

Pic. 1



Pic. 2



Also, minor modifications of all CANDECOL filters are customary in accordance with the required beverage filter for the whole production process of the customer. Depending on the particular demand, CANDECOL for a larger number of cartridges can be supplied.