Cribrol

UNIVERSAL FILTERING SYSTEM

Gas / oil dewatering & removal of mechanical and biological impurities from oil, fat and gases.

Water purification from petroleum products and suspended matters.

- ○ 10 times smaller in size
- ○ No reagents and power supply required
- ○ 100% dewatering & purification from impurities after the 1st cycle

Cribrol is universal filtering system for separation of liquid and gaseous mediums

Application fields

- **Gas production, transportation and processing**
  - gas drying
- **Oil extraction:**
  - removal of water and suspended particles (dust, sand etc)
  - oil spills elimination (both onshore and in water)
- **Oil refining**
  - water condensate removal
- **Fuel transportation, storage and commercialization**
  - water condensate removal, purification from mechanical impurities (dust, sand etc.)
- **Ecology**
  - offshore areas purification from oil and petroleum products
  - groundwater purification from oil and petroleum products
- **Transport**
  - bilge water purification from petroleum products;
  - rinse water purification from petroleum products while extracting oil residues in storage facilities or transportation units.
- **Fat-and-oil production, storage and transportation**
  - water extraction from fat-and-oil containing fractures (both technical and feed)

Highlights

- » 100% removal effectiveness of water and other biological and mechanical impurities after the 1st cycle
- » High performance and long time between overhaul
- » Low cost due to reduced resource intensity
- » Wide applicability range
- » Min OPEX
- » Operation with no reagents and power supply
- » Easy maintenance and long warranty period
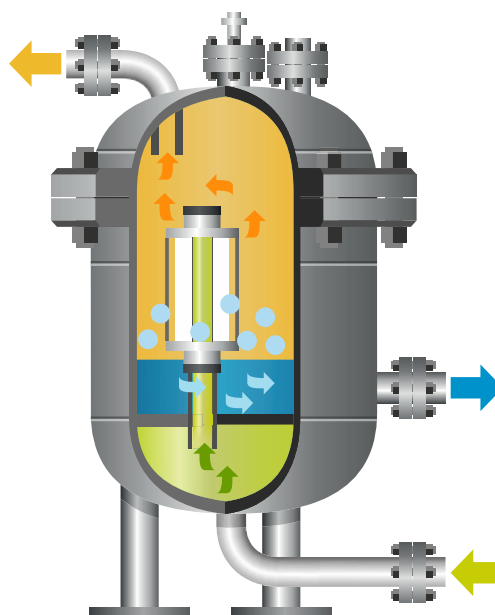
Unique and Space-saving Design

At the same performance Cribrol is *10 times smaller in size than other* multistaged cumbersome oil & gas separation units as *Cribrol consists of just one technological block*, which effectively performs several functions at once:

1. Purification from mechanical impurities within the range from 5 to 500 μ
2. Flotation
3. Sorption (molecular sieves)
4. Automatic coalescence and separation without additional expenses

Treated Mediums

Medium	Performance (m3/hour)	Model
Light petroleum products or heating oil	1	M/1*
	2	M/2
	3	M/3
	14	M/14
	50	M/50
Technical or agricultural oils, fats	0,5	MT/1*
	1	MT/2*
	1,5	MT/3
	7	MT/14
	25	MT/50
Inert gases or air	20	MГ/1*
	280	MГ/14
Water or cooling liquids	1	MЭ/2*
	14	MЭ/14
	18	MЭ/18

* The present model is available in both stationary and mobile versions

■ Initial feedstock ■ Water ■ Pure fuel