



**QWIK-PURE<sup>®</sup>**

**HIGHLY EFFICIENT**

**AND ADAPTIVE**

**CONDENSATE SEPARATION**

# HIGH QUALITY COMPRESSED AIR FROM BEKO

*The quality of your compressed air.*

## RELIABLE

The highest level of operational reliability is guaranteed with every product that BEKO manufactures.

## EFFICIENT

Maximum energy efficiency and conservation are guiding principles of every product design.

## ECONOMIC

Products that provide the quickest return on investment in the industry with the least amount of risk.

## EFFECTIVE

German engineered with no compromises on quality.

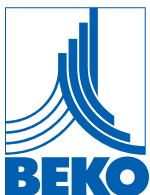
## EXPERIENCE

More than 25 years of industry leading experience stands behind our entire product offering.

## SOLUTIONS

Your single source for a range of performance compressed air products designed to work in synergy.

*Compressed air treatment and condensate technology.*



### BEKO TECHNOLOGIES CORP

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## EXPERT KNOWLEDGE FOR EFFICIENT TECHNOLOGY



### QWIK-PURE® PROVIDES 21<sup>ST</sup> CENTURY EFFICIENT OIL-WATER SEPARATION SOLUTIONS

Non-treatment of compressed air condensate leads to high legal and financial risks, and as off-site disposal costs continue to increase your profits will continue to decrease. Furthermore, traditional, gravity type oil-water separators lack the ability to adapt both to new lubricants and new growth, while often times requiring time consuming adjustments from staff that is usually unavailable.

BEKO has been at the forefront of oil-water separation and condensate processing technology for more than two decades. Through intense research and development, and consistent upgrades and improvements over time, our devices have become the standard of the industrial sector. Often copied, but never duplicated.



As we enter into a new era of consciousness about our environment and our impact on it, the pressure of environmental responsibility for commercial and industrial sites is at an all time high. With new thinking comes new solutions and the disposal of oily, contaminated condensate that once was “acceptable” is now being met with more stringent legislation and harsher penalties, and rightfully so.

Section 309 of the Federal Water Pollution Control Act allows for the issuance of fines not less than \$2,500.00 per day up to \$25,000.00 per day, jail time, or both for first time violators. Such penalties can be assessed against the negligent company and/or the individual person or persons responsible for plant operations and maintenance.

**BEKO TECHNOLOGIES** has maintained its position as an environmentally conscious and ecologically responsible company since its inception more than 25 years ago. Our company and product portfolio are synonymous with environmental responsibility, educational awareness, and community commitment. Through extensive research and development, and masterful engineering, we are able to continually supply the most reliable, economical, and environmentally responsible products in the industry.



## INEVITABLE

Anyone who runs compressed air equipment needs to control and treat the inevitably occurring condensate. This is what economic and technical reasons, as well as ever increasing legal regulations, demand.

The separation of oil and water for dispersed condensates usually represents a cost saving and permanently reliable solution to the problem. The purified water also meets the legal requirements regarding wastewater discharge.

With many innovations and the respective know-how, BEKO's redesigned QWIK-PURE® generation demonstrates the head start of an experienced producer.

**Allow yourself to be convinced!**

# +1:

### **SIMPLIFIED SERVICE / NO MESS**

*Lightweight, easy to change cartridge and the exterior remains clean and dry (no dirty hands)*

# +2:

### **UNIQUE ADSORPTION MATERIAL**

*New filling material that is extremely light, not messy and has increased performance*

# +3:

### **RELIABLE OPERATION**

*Works well with all lubrication types*

# +4:

### **ENVIRONMENTALLY SAFE**

*Cartridge can be disposed of normally and is safe for any sanitary land-fill*

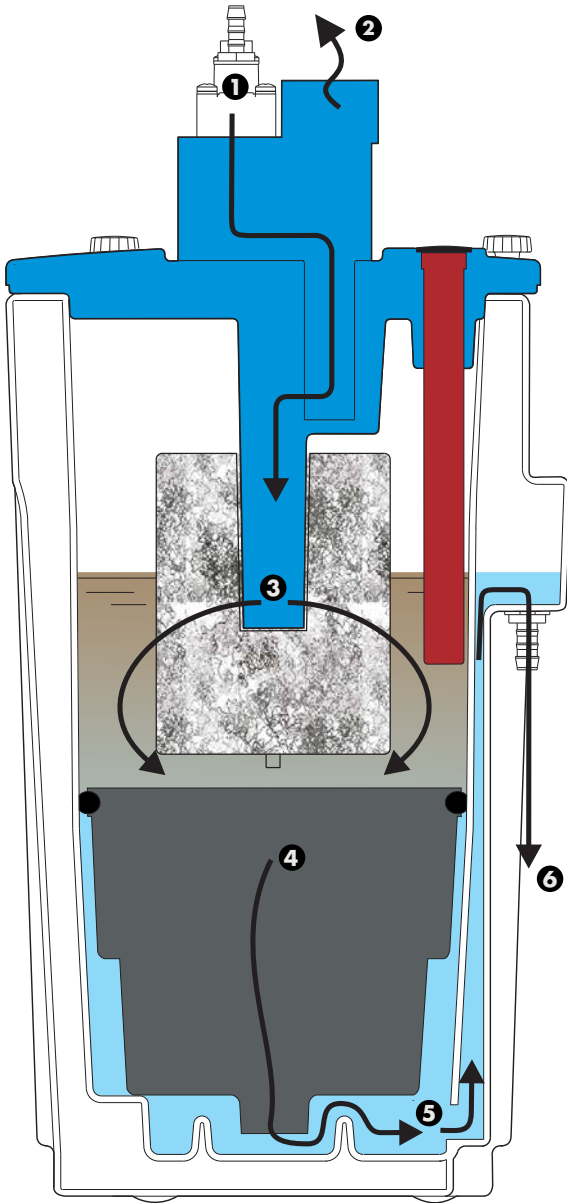
# +5:

### **FUTURE PROOF**

*Easy expansion with specifically designed accessories*



# INNOVATIVE, EFFICIENT, RELIABLE



## THE OPERATING PRINCIPLE: YOUR GUARANTEE FOR COST-EFFECTIVE CONDENSATE TREATMENT

The oil contaminated condensate flows under pressure into the newly designed pressure relief chamber. **1** Here, the pressure is released without creating turbulence downstream **2** of the condensate inlet. The oil contaminated condensate flows into the high volume pre-filter **3**, which is characterized by its ideal flow pattern from the inside to the outside. Here the remaining oil droplets are bound to the pre-filter. It also deals with any residual floating oil in the upper chamber.

As the pre-treated condensate enters the main cartridge the remaining oil is adsorbed and locked into our advanced filter material where it cannot escape **4**. The condensate is now fully treated and flows around the lower chamber wall toward the clean water outlet. **5**

The final result is purified water suitable for discharge directly into the sewer system **6**. Thanks to the cartridge technology, filter replacement is both quick and clean; and all without the use of activated carbon.

The OEKOSORB® cartridge:  
Take grip straps...



pull out the cartridge...



and allow it to drain.



The available flow splitter allows for multiple units and future expansion



Variable connection in three directions



Pre-filter and OEKOSORB® cartridge



Simple to retrofit: heating system



### **QWIK-PURE® units are future proof solutions**

When adding additional horsepower or connecting multiple QWIK-PURE® units; the solution is simple with our easy to use, wall mountable flow splitter. The flow splitter is a configurable condensate manifold that can operate as 1 inlet into 2, 3, or 4 outlet configurations.

### **Fully adaptable and configurable multiple inlet adapter for every application**

For every QWIK-PURE® model, a multiple inlet adapter is available allowing for a variety of installation options. This is a standard feature on the QWIK-PURE® 200 and 350.

### **Also suitable for piston compressors**

QWIK-PURE® devices are suitable for the processing of condensate from piston compressors.

### **Operator-friendly cartridge technology**

Enables quick and clean replacement.  
Minimized waste and easy disposal.

### **Superior filter material**

Greater efficiency thanks to improved pre-filter and primary filter materials. Superior to conventional activated carbon filters.

### **Extended maintenance intervals**

Enable optimum synchronization with compressor preventative maintenance contracts.

### **Operationally reliable**

The newly designed pressure relief chamber with non-turbulent condensate conduction and the overflow-protected oil receiver constitute important factors in terms of operational reliability.

### **Optional heating system**

The retrofit of a heating system is possible during operation without emptying the separator. Heating systems are optional accessories for QWIK-PURE® 200 and 350 only.

## TECHNICAL DATA

### QWIK-PURE®

COMPRESSOR PERFORMANCE		PISTON COMPRESSOR		ROTARY SCREW COMPRESSOR		
Compressor HP	Compressor SCFM	Mineral Oils	Synthetic Oils	Mineral Oils	PAO/Diester Oils	Polyglycol/Synthetic
10	45	25	25	25	25	25
15	60	25	25	25	25	25
20	90	25	50	25	25	50
25	113	50	50	25	50	50
35	158	50	100	50	50	100
40	180	50	100	50	50	100
50	225	100	100	50	100	100
60	270	100	200	100	100	200
75	338	100	200	100	100	200
100	450	200	350	100	200	200
110	495	200	350	200	200	350
130	585	200		200	200	350
175	788	350		200	350	350
200	900	350		200	350	2 x 200
210	945	350		350	350	2 x 350
250	1125	350		350	350	2 x 350
270	1215			350	2 x 200	2 x 350
350	1575			350	2 x 350	2 x 350
400	1800			2 x 200	2 x 350	3 x 350
500	2250			2 x 350	2 x 350	3 x 350
600	2700			2 x 350	3 x 350	4 x 350
700	3150			2 x 350	3 x 350	4 x 350
800	3600			3 x 350	4 x 350	4 x 350
1000	4500			3 x 350	4 x 350	
1300	5850			4 x 350	4 x 350	
1600	7200			4 x 350		

To use the QWIK-PURE® Product Selector Chart, first locate either your compressor horsepower (for multiple compressors use the total system horsepower) or the net flow rate of your compressed air system. Follow the row to the right and locate the column with the appropriate compressor type and lubricant for your particular application (i.e piston compressor with synthetic lubricant) and you will instantly know the correct QWIK-PURE® model size for your compressor type.

Capacity tests and our long-term experience have enabled us to make locational adjustments to our capacity figures by taking global climate data into account. Therefore, if you feel that your regional location may have an impact on the application or installation, please consult your BEKO representative for details.

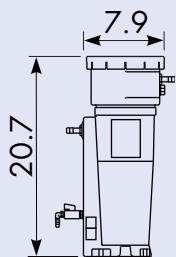
The cartridge lifetime is typically 6 months or 3,000 operating hours depending on type of compressor employed, compressor lubricant, compressor load, ambient temperature, compressed air temperature and other various conditions.

# TECHNICAL DATA

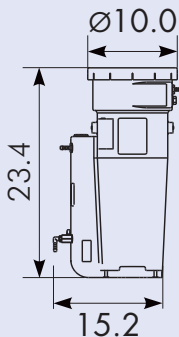
## QWIK-PURE®

	QWIK-PURE® 25	QWIK-PURE® 50	QWIK-PURE® 100	QWIK-PURE® 200	QWIK-PURE® 350
Tank capacity (container volume)	2.64 gal	4.91 gal	17.73 gal	30.51 gal	60.34 gal
Filling capacity	1.14 gal	3.09 gal	12.46 gal	19.15 gal	36.24 gal
Condensate inlet (hose connection)	2 x ½" (di = 10 mm)	2 x ½" (di = 10 mm)	½" (di = 13 mm) or 1" (di = 25 mm)	3 x ½" (di = 13 mm) 1 x 1" (di = 25 mm)	3 x ½" (di = 13 mm) 1 x 1" (di = 25 mm)
Water outlet (hose connection)	1 x ½" (di = 10 mm)	1 x ½" (di = 10 mm)	1 x 1" (di = 25 mm)	1 x 1" (di = 25 mm)	1 x 1" (di = 25 mm)
Weight empty	7.7 lbs	12.7 lbs	24.5 lbs	70.6 lbs	92.6 lbs
Min /max temperature	+41 to +140 °F	+41 to +140 °F	+41 to +140 °F	+41 to +140 °F	+41 to +140 °F
Max operating pressure at inlet	232 psig	232 psig	232 psig	232 psig	232 psig
Pre-filter capacity	0.66 gal	1.24 gal	—	4.89 gal	9.60 gal
Main filter capacity	0.69 gal	1.27 gal	10.65 gal	5.42 gal	10.65 gal

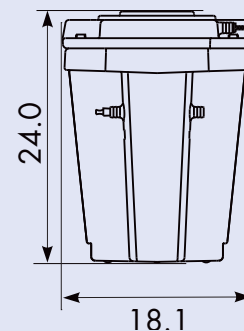
**QWIK-PURE® 25**



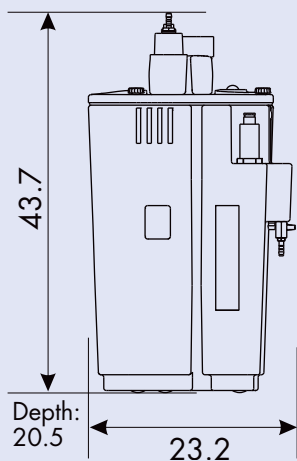
**QWIK-PURE® 50**



**QWIK-PURE® 100**



**QWIK-PURE® 200**



**QWIK-PURE® 350**

