



QWIK-PURE CS, iCS

intelligent, flexible, and affordable condensate separation

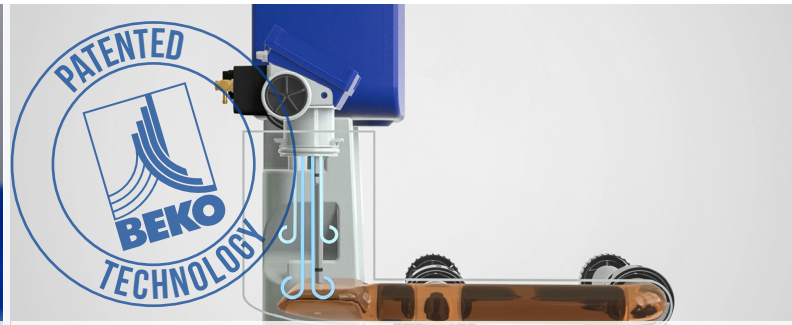


QWIK-PURE® CS Oil-water Separators



Intelligent Operation

Flow-regulated control of the unit at all times using capacitive sensor technology, complete visibility of the operational status, and data recording with an IIoT-ready controller.



Patented Functionality

The revolutionary principle of using very low pressure compressed air to push condensate through the cartridge in concert with the controls is exclusive technology.



Environmentally Safe

QWIK-PURE cartridges are hermetically sealed and are safe for sanitary landfills because the oil is securely trapped in the adsorption material, and sealed.



Quick and Easy Service

Patented quick disconnect cartridges combined with a lightweight filling material make installation and service simple, flexible, and clean.



Modular Expansion

A future-proof solution for any application that effortlessly expands and can accommodate up to 3,300 scfm in a compact space.

How it Works

The condensate enters through the inlet from the rotatable multiple inlet connection [1] into the unit.

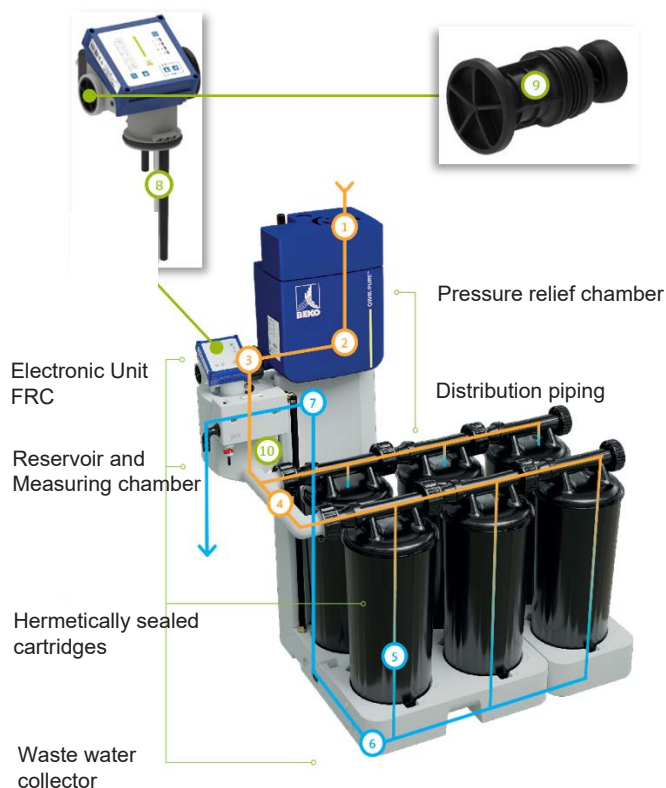
The condensate and air mixture is depressurized in the depressurization chamber [2].

The FRC control unit [3] monitors the status as the condensate flows into the manifold [4] and distribution piping using gravity, then into the cartridges [5], where treated condensate flows through the baseplate [6] and up the discharge tube [7] to the outlet.

When the capacitive sensor of the FRC [8] measures a level-high setpoint in the reservoir, the FRC will close the piston valve [9] to isolate the entire system from the ambient surroundings.

Assisted by the FRC, using very low-pressure compressed air of < 5 psig, condensate is pushed through the filters to the outlet until the level low setpoint is reached.

Condensate is held in the collection reservoir beneath the FRC control unit [10] until discharged.



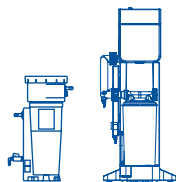
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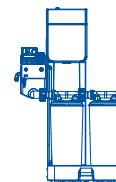
QWIK-PURE® CS Oil-water Separators

Disposing of air compressor lubricant carryover in condensate is a concern, as is the variety of regulations nationwide. Installation of an oil-water separator is simple. The oily condensate from each drain valve is individually piped to a depressurization chamber to reduce pressure to atmospheric pressure. The clean water is then piped into a waste water drain. The separated oil is contained within the cartridge for proper disposal.

Compare



QWIK-PURE® CS Line
Low Volume, Direct to Filter Series



QWIK-PURE® iCS Line
Intelligent, Direct to Cartridge Series

Flow Rates

Three model sizes for 45 - 400 scfm

Four model sizes for 550 - 3,300 scfm

Suitable Lubricant Types

All - including Polyglycol lubricants

All - including Polyglycol lubricants

Separation Type

Gravity fed, direct to filter

Intelligent, sensor operated, direct to cartridge

Cartridge Based System

CS 100 and 200: No, CS 400: Yes

Yes

Intelligent Controls

No

Yes - IIoT ready with Wi-Fi, advanced Modbus, integrated alarms, and cartridge life cycle status indicator

Available Options

Expansion kits, High pressure relief chamber, Spill protection basin, Cover3More extended warranty

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Product Family



QWIK-PURE® CS 100



QWIK-PURE® CS 400

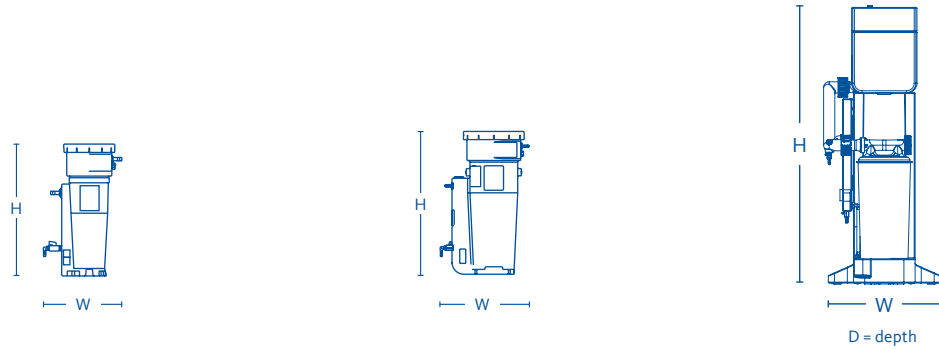


QWIK-PURE® iCS 2200

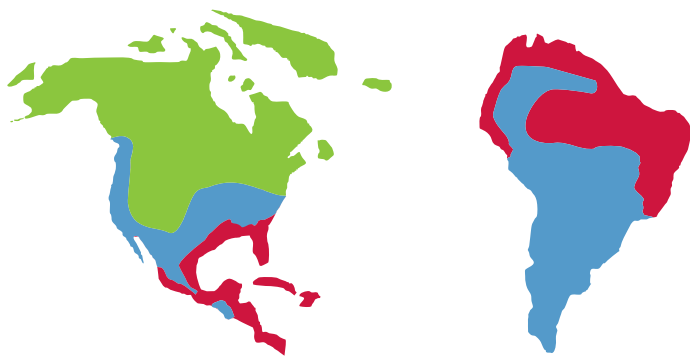


QWIK-PURE® CS High-Efficiency Oil-Water Separators with direct to cartridge filtration

- › Improved filling material that increases performance
- › Works well with all lubricant types
- › Lightweight easy to change cartridge
- › Min. / max. ambient temperature: 41 °F / 122 °F
- › Max. condensate temperature: 122 °F
- › Max. operating pressure: 232 psig



QWIK-PURE® CS	100	200	400
Total Installed System Flow Rate (scfm)	100	200	400
Compatible Lubricants	All lubricant types		
Condensate Inlet	2 x ½"	2 x ½"	3 x ½" 1 x 1"
Number of Cartridges	1	1	1
Voltage (VAC)	-	-	-
Dimensions and Weight			
H x W x D (inches)	21 x 8	23 x 15	58 x 25 x 21
Weight (lbs)	7.7	12.7	29.8



CLIMATE ZONE	YEARLY AVERAGE	CORRECTION FACTOR
Cool / Mild	66% RH 45°F	1.00
Medium / Arid	68% RH 55°F	.90
Hot / Tropical	72% RH 75°F	.80

FILTER CARTRIDGE LIFE CYCLE*	
1 Shift Operation	9-12 months
2 Shift Operation	7-10 months
3 Shift Operation	5-8 months

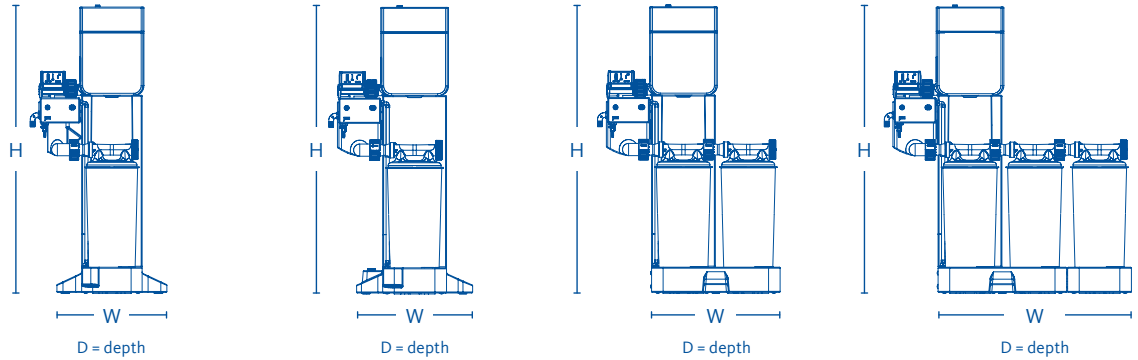
*Ranges are approximate

To use the sizing chart, locate the region for your application on the climate zone map above, multiply the Total Installed System Flow Rate value from the table by the climate zone correction factor shown (e.g., QWIK-PURE® iCS 550 is rated for 550 scfm in the green zone, but in the blue zone, the result would be 550 x 0.90 = 495 scfm), then match the result to the total flow rate of all installed compressors in the application. All QWIK-PURE® models work with all lubricant types, so you will instantly know your application's correct QWIK-PURE® model size.

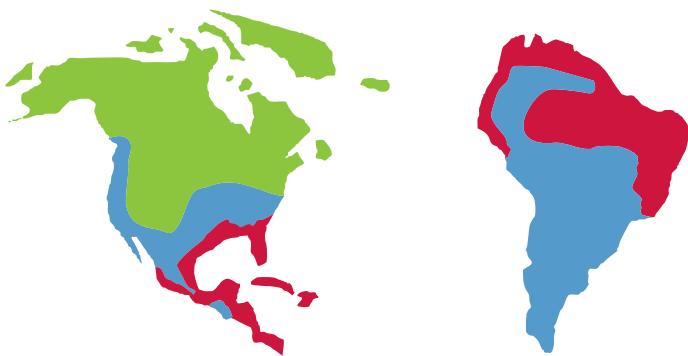
Capacity tests and our long-term experience have enabled us to make locational adjustments to our capacity figures by taking global climate data into account. Regions in the southern United States (i.e San Antonio, TX) are subject to higher temperature and humidity levels throughout the year, which can yield different condensate treatment requirements. Therefore, if you feel that your regional location may have a significant impact on the application or installation, please consult your BEKO Technologies representative for details.

QWIK-PURE® iCS High-Efficiency Oil-Water Separators with intelligent operation and direct to cartridge filtration

- › Patented, intelligent operation
- › Improved filling material increases performance
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QWIK-PURE® iCS	550	1100	2200	3300
Total Installed System Flow Rate (scfm)	550	1100	2200	3300
Compatible Lubricants	All lubricant types			
Condensate Inlet	3 x ½" 1 x 1"	3 x ½" 1 x 1"	3 x ½" 1 x 1"	3 x ½" 1 x 1"
Number of Cartridges	1	2	4	6
Voltage (VAC)	90-264 V / 50-60 Hz	90-264 V / 50-60 Hz	90-264 V / 50-60 Hz	90-264 V / 50-60 Hz
Dimensions and Weight				
H x W x D (inches)	58 x 29 x 21	58 x 29 x 31	58 x 37 x 31	58 x 50 x 31
Weight (lbs)	35.3	77.2	99.2	132.3



CLIMATE ZONE	YEARLY AVERAGE	CORRECTION FACTOR
Cool / Mild ■	66% RH 45°F	1.00
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To Intelligent Oil-Water Separation

NEW Generation Product Portfolio

cs 400



ics 550



ics 1100



ics 2200



ics 3300



QWIK-PURE CS & iCS Series

Features QWIK-PURE® iCS



Reliable



Ready



Ergonomic



Quick



Modular



Clean



Universal



Hygienic



Efficient



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