

# QPVS

Quincy's variable speed compressed air dryers are the most energy-efficient air dryers in the market. These dryers speed up or slow down based off incoming air demand. Because they are not constantly running at full flow and only operating at the capacity required at any given time, no energy is wasted. As the incoming compressed air fluctuates, the variable speed drive recognizes the change in demand and jointly slows down or speeds up to match demand. By using this technology, the QPVS saves up to 60% on energy when compared to non-cycling dryers, and it can stabilize the dew point by reducing dew point swings that are traditionally seen with thermal mass dryers.



## Variable Speed

The QPVS utilizes variable speed technology that matches energy usage with compressed air demand. The rugged integrated variable speed drive and energy efficient compressor work together creating up to 80% turn down. This allows for a stable dew-point with the lowest energy required.



## Customizable Control Modes

The integrated advanced color controllers come with customizable control modes. This allows for further customization based off of a site conditions and actual requirements. This equates to even more energy savings.



# QPVS

## The QPVS Series Is Best For:

### ✓ Reducing Your Risk

A consistently stable dew-point ensures that ensures that your product maintains reliable quality. The QPVS variable speed drive and compressor work together to protect the dew point you need.

### ✓ Reducing Your Cost

Increased VSD energy saving gives you a quick return on investment that is as low as 1.5 years. This equates to increased long-term financial savings.

### ✓ Reducing Your Footprint

Compact in physical size and environmental presence. Not only is the QPVS up to 33% physically smaller in size than thermal mass dryers, but also emits up to 55% less CO2

## QPVS MODELS AND SPECIFICATIONS

Model No.	CFM at 100 PSIG	Refrigerant	Voltage/Phase Hertz	Cooling	Max PSIG	Dimensions			Approx. Wt lbs.	Connections In/Out
						Length (in)	Width (in)	Height (in)		
QPVS-210	212	R410A	Multiple	Air	210	41	32	38	287	1-1/2" NPT
QPVS-300	297	R410A	Multiple	Air	210	41	32	38	290	2" NPT
QPVS-380	381	R410A	Multiple	Air	210	41	32	38	295	2" NPT
QPVS-465	466	R410A	Multiple	Air	210	41	32	38	315	2-1/2" NPT
QPVS-550	551	R410A	Multiple	Air	210	41	32	38	331	2-1/2" NPT
QPVS-635	635	R410A	Multiple	Air	210	41	32	38	364	2-1/2" NPT
QPVS-650	657	R410A	Multiple	Water	203	52	34	47	481	3" NPT
QPVS-765	763	R513A	Multiple	Air	203	52	34	54	529	3" NPT
QPVS-850	869	R410A	Multiple	Water	203	52	54	54	540	3" NPT
QPVS-975	975	R513A	Multiple	Air	203	40	44	55	728	3" NPT
QPVS-1050	1081	R410A	Multiple	Water	203	52	34	54	584	3" NPT
QPVS-1125	1123	R513A	Multiple	Air	203	40	44	63	761	3" NPT
QPVS-1400	1399	R513A	Multiple	Air	203	40	44	72	893	4" Flange
QPVS-1600	1610	R410A	Multiple	Water	203	62	42	56	904	4" Flange
QPVS-1800	1844	R410A	Multiple	Water	203	62	42	56	904	6" Flange
QPVS-1865	1865	R513A	Multiple	Air	203	42	60	72	1113	4" Flange
QPVS-2100	2149	R410A	Multiple	Water	203	62	42	56	904	6" Flange
QPVS-2120	2119	R513A	Multiple	Air	203	42	60	72	1113	4" Flange
QPVS-2650	2648	R410A	Multiple	Air/Water	203	58	62	90	1936	6" Flange
QPVS-3200	3178	R410A	Multiple	Air/Water	203	58	62	90	2057	6" Flange
QPVS-3700	3708	R410A	Multiple	Air/Water	203	58	62	90	2167	6" Flange
QPVS-4250	4238	R410A	Multiple	Air/Water	203	58	62	90	2278	6" Flange
QPVS-5100	5085	R410A	Multiple	Air/Water	203	58	62	90	2398	6" Flange
QPVS-6400	6400	R410A	Multiple	Air/Water	203	99	62	90	3718	8" Flange
QPVS-8500	8500	R410A	Multiple	Air/Water	203	99	62	90	4004	8" Flange

## Correction Factors

Inlet Air Pressure Correction										Ambient Air Temperature Correction				
A	PSI	85	100	115	130	145	160	175	190	C	Temperature °F	100	110	115
	Factor	0.97	1	1.03	1.05	1.07	1.09	1.11	1.12		Factor	1.00	0.91	0.85
Inlet Air Temperature Correction														
B	Temperature °F		80	90	100	110	120	130	140					
	Factor		1.1	1.05	1	0.82	0.68	0.56	0.47					

## WARRANTY INFORMATION

**2-YEARS**

**2-YEAR FACTORY WARRANTY**



Twenty-four (24) months from date of shipment from the factory.

Parts - Ninety (90) days from date of Distributor sale or twelve (12) months from date of factory shipment, whichever occurs first.