Quincy
COMPRESSOR

Genuine QuinSyn Fluids

QUINSYN® PLUS
QUINSYN® XP
QUINSYN® PG
QUINSYN® F

GENUINE QUINSYN FLUIDS

SUPERIOR PERFORMANCE THROUGH ENGINEERING

Quincy's family of Genuine QuinSyn fluids are the only fluids good enough to fill each compressor that leaves our factory. Not an off-the-shelf lubricant, the proprietary QuinSyn base stocks and additive packages have been selected and refined based on years of engineering research, development and field trials.

RISK AVOIDANCE

Unfortunately, there are many misleading vendors claiming to offer fluids identical to Genuine Quin-Syn fluids. Customers often learn after a major failure that these claims are exaggerated. Lower quality fluids suffer from reduced life, increased oil carryover, increased compressor operating temperatures, varnish and carbon build-up. Want to avoid the risk? Insist on genuine Genuine QuinSyn fluids.

MAXIMUM EFFICIENCY: MINIMAL DOWNTIME

The airend in your Quincy compressors were designed, tested and built with Genuine QuinSyn fluids. These advanced, fully synthetic fluids are the best way to maximize the life of your compressor, avoiding expensive downtime and extending overhaul intervals.

INTELLIGENT, PREDICTIVE MAINTENANCE

Quincy Compressor's fluid sampling program allows customers to understand the condition of their compressor lifeblood: fluid. Local atmospheric conditions, operating temperatures and other factors can increase or decrease fluid life. Furthermore, some contaminants can damage internal metal components or seals. Fluid sampling eliminates the guesswork, providing a comprehensive yet easy-to-read report on the exact conditions of your compressor's fluid

Fluid Analysis Kit

THE GENUINE QUINSYN FLUIDS ADVANTAGE

Long-Life

All QuinSyn original equipment fluids are designed for extended drain intervals, even at elevated operating temperatures. QuinSyn XP and Plus excel in this area, leading their class.

Non-Varnishing

Varnish is brownish build-up that plagues compressors with low-quality fluids. Varnish clogs coolers, raising temperatures. It also can block internal passages and destroy bearings. Premium base-stocks prevent or eliminate this fear, an original equipment advantage.

Efficient Heat Transfer

Rotary screw compressors utilize their fluid to reject the heat-of-compression. Low quality mineral oils do not conduct heat as well as QuinSyn Genuine synthetics. Stick with Genuine fluids for a cool operation.

Material Compatibility

All QuinSyn original equipment fluids are compatible with all gaskets, seals and elastomers used not only in all Quincy compressors, but also most other OEM models. Furthermore, all QuinSyn Genuine Fluids are silicone-free to help prevent damage to downstream equipment.

Reduced Oil Carryover

Top of the line base stocks, coupled with advanced additives, create a fluid with very low foaming rates. This translates to reduced oil carryover in rotary screw applications-which means less maintenance and expenses for you.

Cross Compatible

Cooling to standardize on one compressor fluid? Look no further than QuinSyn Genuine fluids. Field experience has shown QuinSyn Genuine fluids are compatible with nearly every compressor OEM in service today. The standard for quality and technology is the ideal standard for your facility.

GENUINE QUINSYN FLUIDS FAMILY

Not all compressor applications are the same. Neither are all Genuine QuinSyn fluids. Rather than force a single fluid on users, Quincy offers multiple high-quality options to match the needs of each application.

QuinSyn® XP

The ultimate long-life fluid. Capable of lasting up to 16,000 hours*, QuinSyn XP is a proprietary Polyol Ester fluid (POE). Ideal for rotary screw applications subject to prolonged use at elevated temperatures and/or pressures. Testing has shown QuinSyn XP to last 4 times longer than PAO or Diester synthetics and does not varnish or form sludge as it oxidizes.

QuinSyn® Plus

The most advanced PAO/POE synthetic available, QuinSyn Plus is also the most popular factory filled fluid for Quincy compressors. Representing a significant advancement over QuinSyn, QuinSyn Plus has proven to withstand harsh atmospheres with longer life and better resistance to sludge and varnish formation. Real-world experience shows 8,000 to 10,000 hours of life, even at elevated Quincy operating temperatures.

QuinSyn® PG

QuinSyn® PG is a custom-blended polyalkalene glycol (PAG) and polyester (POE) fluid. This formulation is ideal for hot and humid environments and offers excellent lubrication at high and low temperatures, reduced volatility and a high viscosity index. QuinSyn PG will not leave behind carbon residue or varnish when it oxidizes. It is also excellent choice for applications where varnishing has occurred in the past.

QuinSyn® F

QuinSyn® F is a custom-blended food-grade polyalphaolefin (PAO) synthetic which meets USDA standards for food grade lubricants. QuinSyn-F has the added benefit of a 6,000 hour life - much longer than traditional food grade lubricants. QuinSyn-F meets USDA H-1 standards and also complies with FDA 21 CFR 178.3570-Lubricants.

* Always determine fluid life based on sampling data. Site-specific conditions such as temperature, humidity levels, airborne contaminants and reactive vapors can increase or decrease actual life. Consistent use of Quincy fluid sample kits will help ensure you are not changing your fluid too early, or worse-too late!

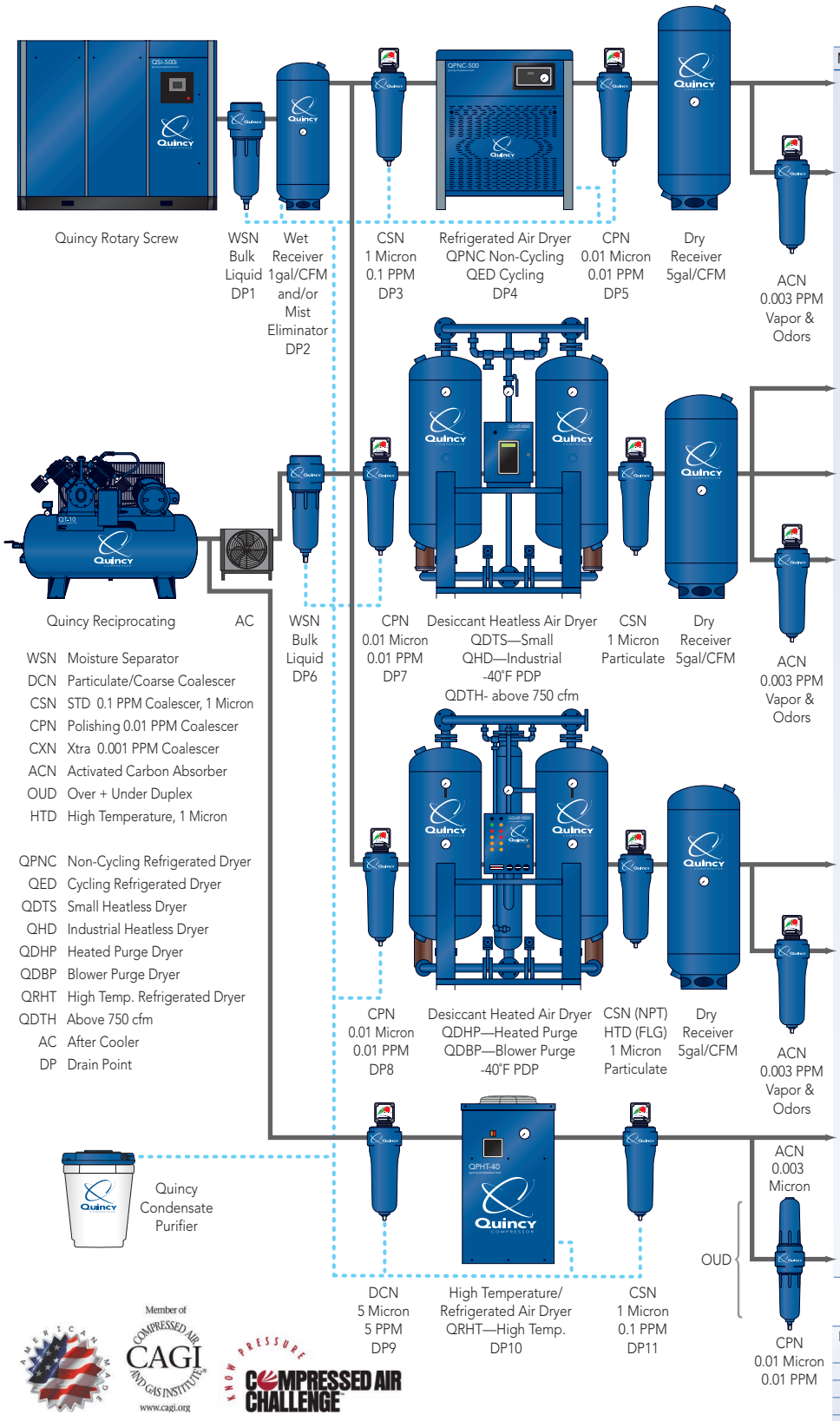
GENUINE QUINSYN FLUIDS

Quincy Brand	QuinSyn F	QuinSyn Plus	QuinSyn PG	QuinSyn XP
Type	PAO	PAO/POE Blend	PAG	POE
Viscosity Index	Good	Good	Good	Good
Low-temperature Fluidity	Good	Good	Good	Good
Oxidation Resistance	Very Good	Excellent	Good	Excellent
Low Volatility	Excellent	Excellent	Good	Excellent
Hydrolytic Stability	Excellent	Good	Very Good	Good
Antirust Properties	Excellent	Good	Excellent	Good
Additive Solubility	Good	Good	Good	Excellent
Thermal Stability	Good	Excellent	Good	Excellent
Water Solubility	Nil	Nil	Excellent	Nil
Life Expectancy (Hours)	6,000	8,000-10,000	8,000	12,000-15,000

Property	ASTM Test Method	---------- Value ----------			
ISO Grade	D-2422	46	46	46	68
Viscosity at 40° C	D-445	46.9	46.3	41.9	64.5
Viscosity at 100° C	D-445	7.9	7.5	7.5	8.5
Viscosity Index	D-2270	139	127	146	101
Specific Gravity at 60° F	D-1298	0.83	0.88	0.95	0.96
Density (lbs./gal.)	D-1298	6.91	7.39	7.86	7.99
Flash Point (°F)	D-92	475	540	480	495
Pour Point (°F)	D-97	-76	-58	-49	-25
Auto Ignition Temp (°F)	D-2155	695	N/A	N/A	865
Foam Test Sequence II	D-892	< 25 mL	< 25 mL	< 25 mL	< 25 mL

Only Genuine QuinSyn® fluids fulfill warranty obligations with Quincy Compressor.

COMPRESSED AIR SYSTEMS BEST PRACTICE



WSN Moisture Separator
DCN Particulate/Coarse Coalescer
CSN STD 0.1 PPM Coalescer, 1 Micron
CPN Polishing 0.01 PPM Coalescer
CXN Xtra 0.001 PPM Coalescer
ACN Activated Carbon Absorber
OUD Over + Under Duplex
HTD High Temperature, 1 Micron

QPNC Non-Cycling Refrigerated Dryer
QED Cycling Refrigerated Dryer
QDTS Small Heatless Dryer
QHD Industrial Heatless Dryer
QDHP Heated Purge Dryer
QDBP Blower Purge Dryer
QRHT High Temp. Refrigerated Dryer
QDTH Above 750 cfm
AC After Cooler
DP Drain Point

Air Quality Classification ISO 8573.1						Wet System Avg. ΔP	
Solids		Moisture		Oil			
Micron	ISO	PDP	ISO	PPM	ISO	psi	Mbar
0.01	1	+38°F	4	0.01	1	10.7	738
0.01	1	+38°F	4	0.003	1	11.8	814
0.01	1	-100°F	1	0.001	1	14.2	979
		NOTE: Requires CXN (.001 PPM) filter in series with standard CPN prefilter.					
1	2	-40°F	2	0.01	1	9.2	634
0.01	1	-40°F	2	0.003	1	10.3	710
1	2	-40°F	2	0.01	1	9.2	634
0.01	1	-40°F	2	0.003	1	10.3	710
1	2	+50°F	6	0.01	2	7.8	538
0.01	1	+50°F	6	0.003	1	10.0	689

Approximate Liquid Removal

100 CFM, 100 psi, 80°F, 4000 hrs./yr., 2 PPM

Drain Point	Gallons per Year	Drain Point	Gallons per Year	Drain Point	Gallons per Year
1	3000	5	140	9	300
2	2000	6	3000	10	4320
3	305	7	310	11	120
4	1300	8	310		

Member of CAGI Compressed Air and Gas Institute www.cagi.org

Know Pressure Compressed Air Challenge

701 North Dobson Avenue | Bay Minette, AL 36507 | Phone 217.222.7700 | Fax 217.222.5232 | Email: info@quincycompressor.com