

## OIL SEPARATORS – TEMPRITE COALESCENT ACCESSIBLE

### ADVANTAGES

- Latest in oil separator technology
- Temprite Standard Filter technology cleans contaminants down to 0.3 microns in size and aerosols in liquid form to .001 microns.
- Particularly compatible with ammonia (NH3) refrigerant systems; designed for 650 PSI
- **Maintains the same level of effectiveness down to 20% of maximum flow**
- Easy accessibility to the filter for changes
- Equal 98.5+% efficiency in all types of systems; in ultra-low temperature applications; even or uneven multiplex systems, split suction groups systems, low, medium and A/C; during refrigeration load shifting/matching.
- **High efficiency performance reduces energy consumption through better heat transfer through the coils, translating into significant kW savings.**
- Maximises protection against the compressor running dry or oil slugging
- 920 Series models designed for use with an external reservoir
- 920R Series have internal oil reservoirs, maximising space and eliminating attendant reservoirs, check valves and leak-causing equalisation lines.

### OPERATION

Temprite 920 and 920R Series coalescent oil separators employ a matrix-type borosilicate coalescent filter to do the work formerly done by impingement screens. These exceptionally pure, extremely fine glass fibres cause the oil molecules to collide, creating bigger droplets, until each is large enough to be forced to the outer drain layer of the filter. The droplets fall to the bottom of the separator and the oil is returned to the compressor.

In large parallel rack/multiplex systems with long lines, dirt and excess oil put an even greater drag on the system. This can be eliminated with the 920 or 920R Series coalescent oil separator because the Temprite Standard Filter is finer than any other filter/dryer, picking up all effluent and dirt in the system down to 0.3 microns in size, increasing system capacity and efficiency and lowering energy costs. Conventional centrifugal and impingement screen oil separators only work to 100 microns, thus missing 50% of the aerosols in the mass flow of the refrigerant.



Part Number	Inlet & Outlet Connections ODS / Model	Capacity (kW)												Max. Work. Press. (kPa)	Oil Charge (ml)
		R404A/R507		R22		R134a		R410		Ammonia		Co <sup>2</sup> Sub-Critical			
		Evaporator Temperature °C													
		-40	+4.4	-40	+4.4	-23.3	+4.4	-40	+4.4	-40	+4.4	-40	+4.4		

### Temprite Coalescent Oil Separator - Accessible

092200000	5/8" (922)	4.7	30.6	5.7	31.2	6.2	19.9	8.4	45.5	5.3	35.0	10.8	70.6	*3102	475
0923000 00	7/8" (923)	6.5	42.6	7.9	43.4	8.7	27.7	11.6	63.3	7.3	48.8	15.1	98.1	4482	475
092400000	1-1/8" (924)	11.7	76.5	14.1	78.1	15.6	49.9	20.9	113.7	13.3	87.8	27	176.1	*3102	475
092500000	1-3/8" (925)	17.9	116	21.5	117	23.7	75.8	31.7	172.9	20.2	133.5	41.5	267.9	4482	475
092600000	1-5/8" (926)	30.6	199	36.8	203	40.5	130	54.3	295.8	34.6	228.6	70.3	450.2	4482	1.0 Ltr
092601000	1-5/8" (926R)	30.6	199	36.8	203	40.5	130	54.3	295.8	34.6	228.6	70.3	450.2	4482	6.7 Ltr
092700000	2-1/8" (927)	41.7	272	50.2	277	55.3	177	73.9	403.0	47.2	311.6	96	624.7	4482	1.0 Ltr
092701000	2-1/8" (927R)	41.7	272	50.2	277	55.3	177	73.9	403.0	47.2	311.6	96	624.7	4482	6.7 Ltr
092800000	2-5/8" (928)	69.7	453.7	84	463	92.4	295.6	123.5	673.4	47.2	311.6	160.4	1043.6	4482	1.0 Ltr
092801000	2-5/8" (928R)	69.7	453.7	84	463	92.4	295.6	123.5	673.4	47.2	311.6	160.4	1043.6	4482	7.55Ltr

Note: Oil reservoir models (Nil float) are denoted by suffix "R"

\* Please check MWP required - High Pressure models available on request

55100005	Temprite Replacement Oil Filter-Flange Gasket - Suits Models 922 & 923
62034000	Temprite Replacement Oil Filter-Suits Models 922 & 923
62037000	Temprite Standard Oil Filter-Suits Models 924/925 & 924R/925R
62028000	Temprite Standard Oil Filter-Suits Models 926/926R & 927/927R
62051000	Temprite Standard Oil Filter-Suits Models 928/928R
040B0010	Oil Separator (Danfoss OUB1 - 3/8"FL Union Connections)
003658000	Temprite Oil Return Float (Demountable)
3458	Float High Side
003358000	Temprite Oil Return Float – Hermetic: BitzerM/Fit (Order with off Rotalock Elbow Connection 3/8"IDX3/4"SSP/N.263-0612)
224-PDI	Pressure Differential Indicator Model 224 (650psi operating pressure)