



THE HEART OF FRESHNESS

PRESSURE VESSELS

CENTRIFUGAL OIL SEPARATORS

SUPERIOR SEPARATION
QUIETER COMPRESSORS
REDUCED VIBRATION LEVELS
WIDE OPERATING CAPACITY RANGE

COS SERIES

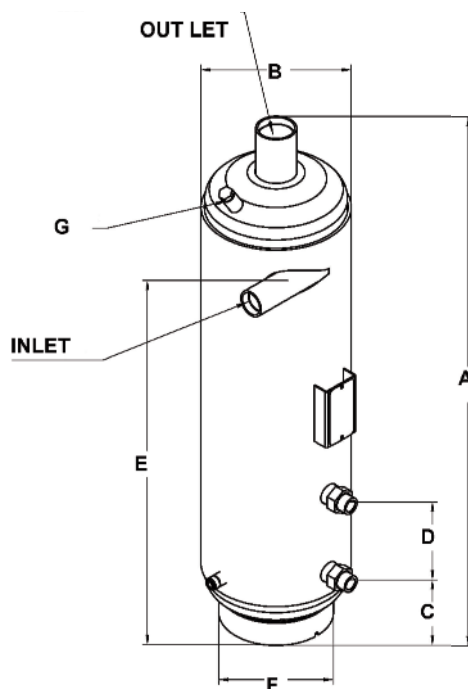


TECHNICAL DATA

The Bitzer Centrifugal oil separators provide improved oil separation, very low pressure drops and greatly reduced vibration levels due to the patented centrifugal oil separation cartridge fitted within the top half of the vessel. The lower section contains the oil reservoir with high and low level sight glasses and oil service valve.

The centrifugal separators are ideally suited for multiple compressor parallel systems, compressors using capacity control or systems with wide variations in required capacity.

All vessels manufactured to Australian Standard AS-1210.



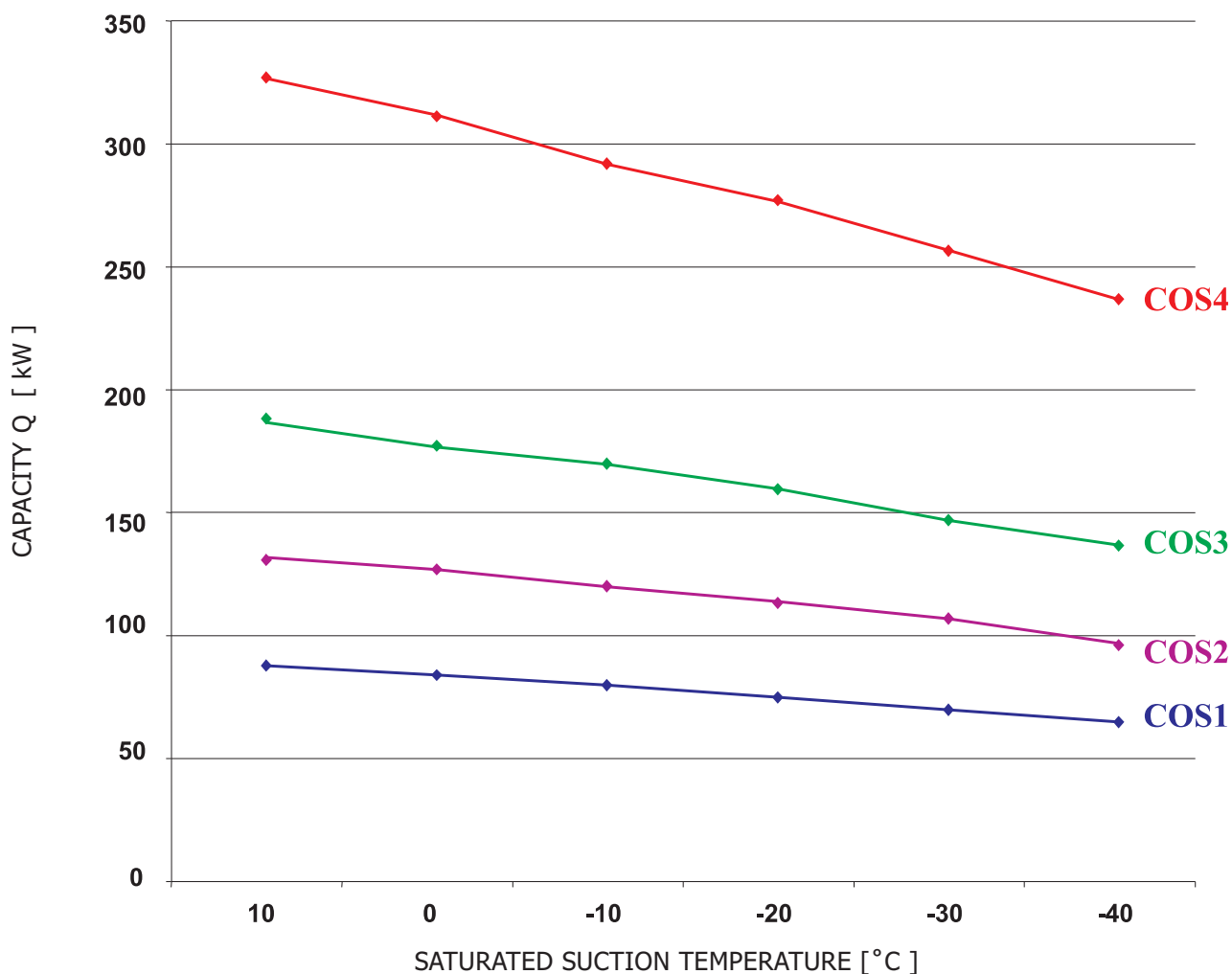
Model Number	*Oil Charge litres	Inlet Size Ø	Outlet Size Ø	A Height	B Diameter	C Sight Glass	D Sight Glass	E Inlet Height	F Stand Ring Ø
	+ / - 250ml			+ / - 5mm				+ / - 5mm	
COS 1	2	1-1/8"	1-3/8"	662mm	168mm	110mm	N A	515mm	114mm
COS 2	8.5	1-3/8"	1-5/8"	870mm	220mm	128mm	140mm	668mm	168mm
COS 3	8.5	1-5/8"	2-1/8"	910mm	220mm	128mm	140mm	708mm	168mm
COS 4	12	2-1/8"	2-1/8"	937mm	273mm	142mm	140mm	722mm	220mm

Note - G = safety relief valve socket 3/8" BSP Fastening bolt 1/2" BSW

*The nominal oil charge is intended for use with Traxon oil level regulators and is the volume of oil required to fill the reservoir to the middle of the top sight glass. When using High Side Floats the oil charge is not applicable.

The Oil outlet valve is a 3/8" rotalock valve .

PERFORMANCE DATA



Capacities stated are suitable for R404A and R507

To select an oil separator, plot the operating conditions of the system on the graph above, and then select the model that is represented by the line which is above the Point plotted.

* Note: Selections above the line could result in higher than normal gas noise.

Refrigerant Correction Factors

R22 – multiply required system capacity by factor = 1.12
Plot this value on the graph for oil separator selection.

R134a – multiply required system capacity by factor = 1.45
Plot this value on the graph for oil separator selection.

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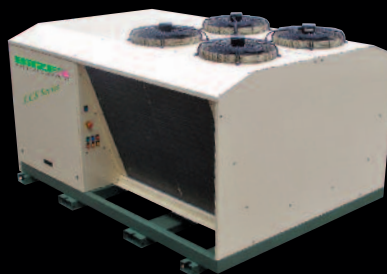
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