DAS HERZ DER FRISCHE

PRESSURE VESSELS

SUCTION ACCUMULATOR

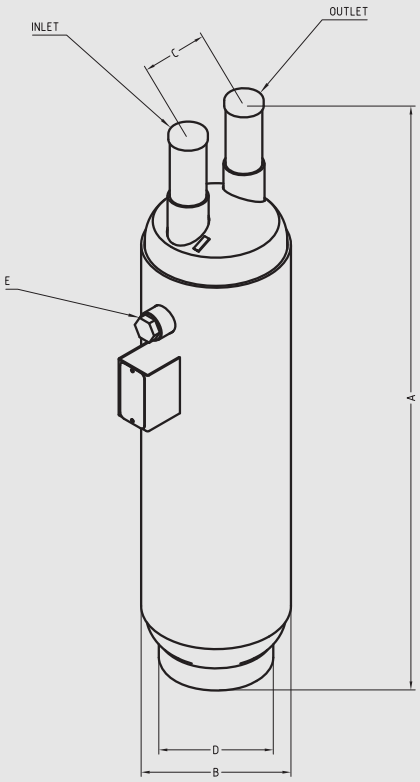
BETTER PROTECTION
RUST RESISTANT PAINT TREATMENT

Suction Accumulator

BA-601-2 AUS

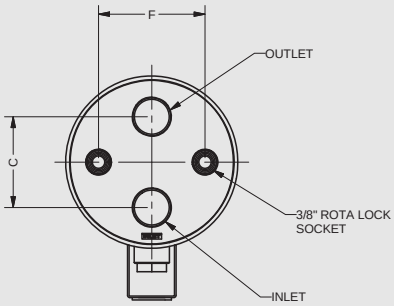
Technical Data

- Large internal volume to ensure gas / liquid separation and large liquid holding capacity
- Positive oil return system via “U” tube (up to SXE 218)
- Manufactured in Australia to AS-1210 pressure vessel code
- Available with steel liquid line heat exchanger coil for increased vaporisation of liquid
- Three stage epoxy paint treatment used

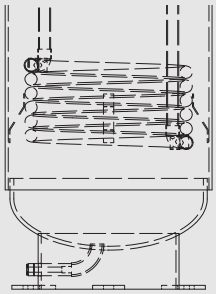


Accumulators with steel liquid line coils are available from the SXE 138 to the SXE300. This option has the letters HXC added to the model number.

3/4” Rotalock sockets are fitted to the heat exchanger coils



SXE ### HXC TOP VIEW



SXE 258 & 300 (HXC)
EXTERNAL LIQUID RETURN
ARRANGEMENT DRAWING

Model Number	Liquid Storage (Standard) Litres	Liquid Storage (HXC) Litres	Inlet / Outlet Sizes	Internal “U” TUBE fitted	A Height	B Diameter outside Ø	C Connecting pipe centres	D Stand ring Ø	E Inspection socket	F Heat Exchanger pipe centres
SXE 118	4.0	-	1-1/8”	YES	435mm	168mm	70mm	114mm	3/8”BSP	–
SXE 138 (HXC)	10.0	8.5	1-3/8”	YES	540mm	220mm	116mm	168mm	1”BSP	136mm
SXE 158 (HXC)	13.0	11.5	1-5/8”	YES	641mm	220mm	116mm	168mm	1”BSP	136mm
SXE 218 (HXC)	14.0	12.5	2-1/8”	YES	860mm	220mm	116mm	168mm	1”BSP	136mm
SXE 258 (HXC)	33.0	30	2-5/8”	NO	1197mm	324mm	150mm	220mm	1”BSP	200mm
SXE 300 (HXC)	80.0	77.0	3-1/8”	NO	1409mm	425mm	230mm	324mm	1-1/4”BSP	231mm

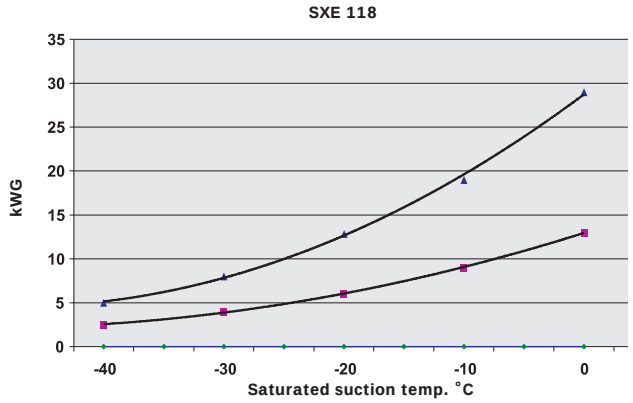
NOTE: Metal clad insulated accumulators available on request.

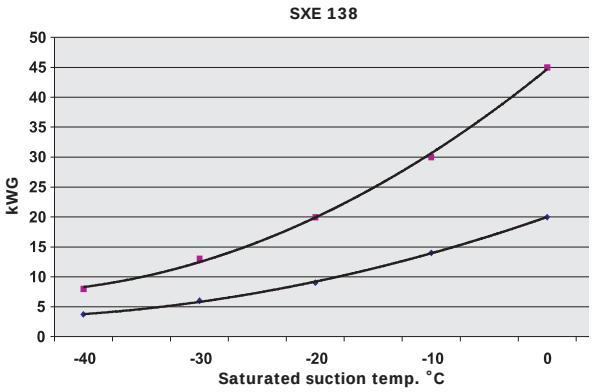
Internal “U” tubes allow oil & liquid refrigerant to return to the compressor at a controlled rate to prevent liquid slugging during normal operation. The compressor should not be shut down when the accumulator is still holding liquid in its reservoir, or compressor can be damaged on start up, as liquid will enter the “U” tube during the off cycle.

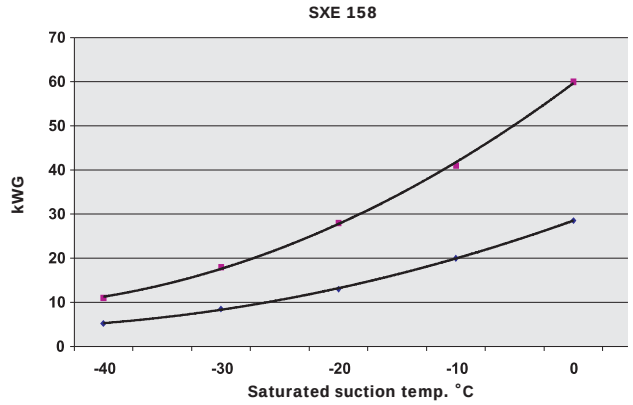
Accumulators without “U” tube require a separate external liquid/oil return line to be fitted to the 3/8” valve on the bottom of the vessel to the suction return line.

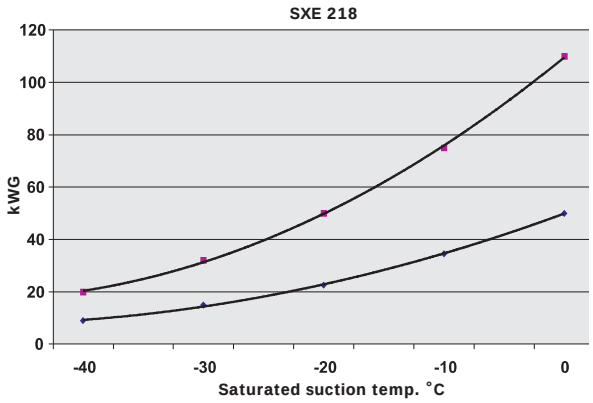
NOTE: Careful consideration should be made to ensure oil/liquid cannot drain into the system during off-cycle.

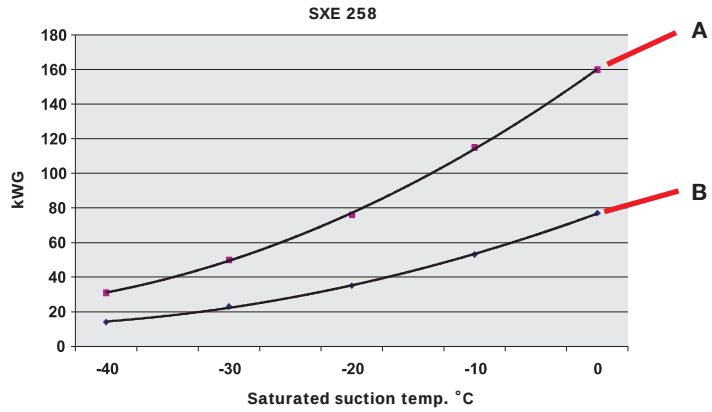
Performance Data

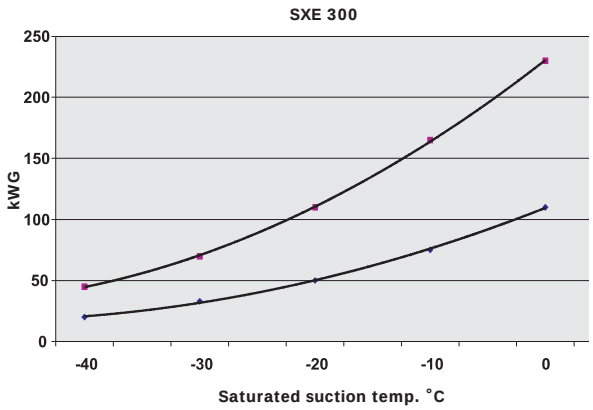












To select a suction accumulator, plot the operating point on the graph so it falls between the upper and lower limit lines.

(A) Upper Limit line: Selections above the line may experience higher than normal gas noise levels

(B) Lower Limit line: Selections below the line may experience poor oil return

Note: Minimum compressor capacity must be considered when using compressors fitted with capacity control devices, or when using multiple compressor systems.

Capacities stated are suitable for R404A & R507A (R22 X 0.93 = R404A) (R134a X 1.9 = R404A)

Correction Factors For Liquid Refrigerant Temperature

Liquid Line Temperature	-10°C	0°C	10°C	20°C	30°C	40°C	50°C
Factor	0.55	0.6	0.66	0.75	0.85	0	1.23

BITZER Australia Pty Limited
134-136 Dunheved Circuit,
St Marys, NSW 2760
Australia
tel 1300 BITZER
fax +61 (2) 9673 4698
info@bitzer.com.au

Victoria
tel +61 (3) 8326 8200
fax +61 (3) 9310 2520

Queensland
tel +61 (7) 3725 1360
fax +61 (7) 3274 3621

South Australia
tel +61 (8) 8345 6110
fax +61 (8) 8268 4555

Western Australia
tel +61 (8) 6350 6297
fax +61 (8) 9359 2077

BITZER New Zealand
BITZER Australia Pty Ltd
Unit 5, 5-7 Henry Rose Place
Albany 0632
Auckland
New Zealand
tel +64 9 415 2030

www.bitzer.com.au

Certified System
Quality
ISO 9001
SAI GLOBAL

Note: The ISO standard only applies to the BITZER NSW and VIC branches

07.2018