

SUCTION LINE ACCUMULATORS

VIRGINIA KMP SUCTION LINE ACCUMULATORS

Compressors are designed to compress vapours, not liquids. Many systems, especially at low temperatures, are subject to the return of excessive quantities of liquid refrigerant, which dilutes the oil, washes out bearings, and in some cases leads to complete loss of oil in the crank case. This results in broken reed valves, pistons, rods, crankshafts, etc. The purpose of the accumulator is to act as a reservoir to temporarily hold the excessive refrigerant-oil mixture and to return it at a rate which the compressor can safely handle. Should be sized to hold 50% or more of total system charge.



<u>CODE</u>	<u>MODEL</u>	<u>CONNECTIONS</u>	<u>TOTAL HEIGHT</u>	<u>DIAMETER</u>	<u>LIQUID HOLDING CAPACITY (R22 4°C)</u>	<u>LIST £</u>
011270	VA32-5S	5/8" solder	314mm	76mm	1.36kg	40.86
011271	VA32-6S	3/4" solder	321mm	76mm	1.36kg	44.52
011272	VA54-7SRD	7/8" solder	248mm	127mm	2.72kg	70.16
011273	VA57-9SRD	1-1/8" solder	376mm	127mm	4.30kg	79.30
011274	VA59-11SRD	1-3/8" solder	468mm	127mm	5.44kg	98.88
011275	VA616-13SRD	1-5/8" solder	555mm	152mm	9.07kg	147.01

REFRIGERATION RESEARCH SUCTION LINE ACCUMULATORS

SELECTION OF SUCTION ACCUMULATOR

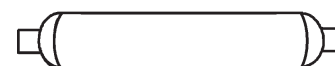
The suction accumulator should not necessarily be selected to have the same size inlet and outlet as the compressor suction line. It is more important to select the suction accumulator well within the limits of (1) pressure drop, (2) oil return and (3) total amount of charge to be held.



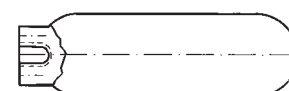
<u>CODE</u>	<u>MODEL</u>	<u>CONNECTIONS</u>	<u>TOTAL HEIGHT</u>	<u>DIAMETER</u>	<u>MAXIMUM HOLDING CAPACITY (R22)</u>	<u>LIST £</u>
011380	3639	2-1/8" solder	508mm	219mm	14kg	346.96
011383	3641	2-5/8" solder	508mm	273mm	23kg	413.09
011385	3640	3-1/8" solder	660mm	273mm	32kg	613.68

COPPER SPUN SUCTION LINE ACCUMULATORS

<u>CODE</u>	<u>MODEL</u>	<u>CONNECTIONS</u>	<u>LENGTH</u>	<u>DIAMETER</u>	<u>LIST £</u>
011280	SLAS2-4	1/4" solder	100mm	30mm	1.29
011288	SLAS24-3-4	1/4" solder	150mm	24mm	1.40
011281	SLAS3-4	1/4" solder	150mm	30mm	1.47
011292	SLAS24-3-5	5/16" solder	150mm	24mm	1.40
011282	SLAS3-5	5/16" solder	150mm	30mm	1.47
011290	SLAS19-4-5	5/16" solder	200mm	24mm	1.54
011283	SLAS4-5	5/16" solder	200mm	30mm	1.83
011289	SLAS30-5-6	3/8" solder	150mm	30mm	1.47
011291	SLAS19-4-6	3/8" solder	200mm	24mm	1.54
011284	SLAS4-6	3/8" solder	200mm	30mm	1.83
011285	SLAS5-6	3/8" solder	250mm	30mm	2.03
011286	SLAS6-6	3/8" solder	300mm	30mm	2.42
011287	SLAS7-6	3/8" solder	340mm	30mm	2.98
011279	SLAS8-6	3/8" solder	340mm	40mm	6.82
011293	SLAT3-5	5/16" solder	140mm	30mm	1.65
011296	SLAT4-5	5/16" solder	200mm	30mm	2.14



SLAS



SLAT

SUCTION LINE ACCUMULATORS - HEAT EXCHANGERS / HEATERS

REFRIGERATION RESEARCH HEAT EXCHANGER - SUCTION LINE ACCUMULATOR



<u>CODE</u>	<u>MODEL</u>	<u>CONNECTIONS</u>		<u>TOTAL HEIGHT</u>	<u>DIAMETER</u>	<u>MAXIMUM HOLDING CAPACITY (R22)</u>	<u>LIST £</u>
		<u>SUCTION</u>	<u>LIQUID</u>				
011360	HX3702-V	5/8"	3/8"	270mm	102mm	1.80kg	63.49
011362	HX3703-V	3/4"	3/8"	270mm	102mm	1.80kg	64.67
011364	HX3738-V	7/8"	1/2"	330mm	127mm	3.50kg	81.43
011366	HX3700-V	1-1/8"	5/8"	381mm	152mm	5.80kg	103.09
011368	HX3706-V	1-3/8"	5/8"	514mm	152mm	7.90kg	148.57
011370	HX3704-V	1-5/8"	3/4"	629mm	152mm	10.20kg	191.66
011372	HX3639-V	2-1/8"	7/8"	508mm	219mm	14.0kg	638.88
011374	HX3641-V	2-5/8"	1-3/8"	508mm	273mm	23.0kg	832.42
011376	HX3640-V	3-1/8"	1-3/8"	660mm	273mm	32.90kg	1078.64

HEATER BANDS FOR OIL SEPARATORS AND ACCUMULATORS



<u>CODE</u>	<u>SIZE</u>	<u>VOLTAGE</u>	<u>LIST £</u>
011352	4" DIAMETER x 2" WIDE 80W - TERMINAL BOX	240 VOLT	56.94
011355	4" DIAMETER x 2" WIDE 80W - TERMINAL BOX	110 VOLT	56.94
011356	5" DIAMETER x 2" WIDE 80W - TERMINAL BOX	110 VOLT	68.22
011353	6" DIAMETER x 2" WIDE 80W - TERMINAL BOX	240 VOLT	78.44