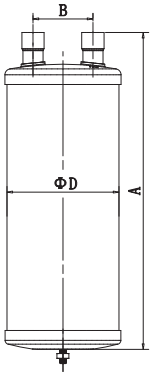
Suction Line Accumulator

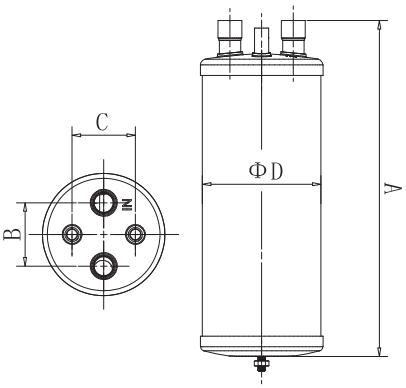


In circulatory system, the refrigerant must be convert became gas before returning to compressor. So it has to separate gas and liquid before the refrigerant enters into the compressor. And let the gas refrigerant enters into the compressor will not cause strike. The liquid refrigerant evaporate slowly in the vessel, then enter the comperssor after evaporation. In order to make the residual refrigerant oil come back to compressor, there is a hole in the bottom of tube in Accumulator which may let the oil come back. When the residual refrigerant in the system come into Accumulator, it will go back to compressor with gas refrigerant. Because of the protection from Accumulator, The life time of compressor can be longer and the circulatory system can run better.

Part No.	Volume(L)	Inlet & Outlet	A(mm)	B(mm)	D(mm)	Normal Capacity(KW)@-18°C vaporize temp.		
						R22	R134a	R404A
RSPQ-204	1.5	1/2	254	52	102	3.2	2.17	2.8
RSPQ-205	1.8	5/8	294	52	102	4.9	2.8	4.2
RSPQ-206	3.8	3/4	316	75	140	6.3	3.2	5.3
RSPQ-207	4.3	7/8	356	75	140	11.6	6.3	9.5
RSPQ-208	7.3	1-1/8	450	85	159	18.9	10.9	15.5
RSPQ-209	9.6	1-3/8	574	85	159	29.9	16.2	25.3
RSPQ-210	10.4	1-5/8	624	85	159	45.0	25.7	37.6
RSPQ-595	2.4	5/8	257	70	127	5.1	2.7	4.5
RSPQ-596	2.4	3/4	257	70	127	6.3	3.2	5.3
RSPQ-597	2.4	7/8	262	70	127	11.6	6.3	9.5
RSPQ-5126	3.3	3/4	332	70	127	6.3	3.2	5.3
RSPQ-5127	3.3	7/8	337	70	127	11.6	6.3	9.5
RSPQ-5137	3.5	7/8	358	70	127	11.6	6.3	9.5
RSPQ-5139	3.5	1-1/8	363	70	127	18.9	10.9	15.5
RSPQ-5179	4.7	1-1/8	465	70	127	18.9	10.9	15.5
RSPQ-51711	4.7	1-3/8	465	70	127	29.9	16.2	25.3
RSPQ-61411	6.0	1-3/8	390	85	159	29.9	16.2	25.3
RSPQ-62013	8.8	1-5/8	548	85	159	45.0	25.7	37.6

Suction Accumulators with Heat Exchanger

RSPR Series suction accumulators with heat exchanger are particularly recommended for installations with a low overheating of refrigerant vapours at compressor suction (liquid cooler, low temperature display cabinets, vehicle refrigerating, etc...) and recommended for installations where the suction line accumulator is positioned outside (in this case, the exchanger allows a faster re-evaporation of the liquid).
The heat exchanger allows the increase of the refrigerant's refrigerating effect, by high pressure liquid sub-refrigerating, upstream of the pressure relief valve; it therefore prevents the risks of gas presence at the intake of the pressure relief valve.



Part No.	Volume(L)	Suction Line ODF(inch)	Liquid Line ODF(inch)	A(mm)	B(mm)	C(mm)	D(mm)	Normal Capacity(KW)@-18°C vaporize temp.		
								R22	R134a	R404A
RSPR-2404	1.5	1/2	3/8	254	52	52	102	3.2	2.17	2.8
RSPR-2405	1.8	5/8	3/8	294	52	52	102	4.9	2.8	4.2
RSPR-2406	3.8	3/4	1/2	316	75	75	140	6.3	3.2	5.3
RSPR-2407	4.3	7/8	1/2	356	75	75	140	11.6	6.3	9.5
RSPR-2411	7.3	1-1/8	5/8	450	85	85	159	18.9	10.9	15.5
RSPR-2413	9.6	1-3/8	3/4	574	85	85	159	29.9	16.2	25.3
RSPR-2415	10.4	1-5/8	7/8	624	85	85	159	41.0	24.1	32.6
RSPR-2417	10.4	2-1/8	7/8	629	85	85	159	49.6	35.4	42.8