

Oil Separator Receiver Type PKW, CE



Feature

- Low space consumption, mounting effort and high efficient oil separator ability.
- A high level oil sight glass & low level oil sight glass equipped in receiver, the standard oil level should be between these two sight glasses.
- A inside demister which woven by stainless steel wire makes the mist oil get good separation.
- The helical guide plate allows the centrifugal flow path achieving high efficiency oil and gas separation effect by low pressure drop.

Specification

Part No.	Refrigerating capacity (Kw)								
	R404A/507			R22/R407C			R134a		
	-40°C	-20°C	5°C	-40°C	-20°C	5°C	-40°C	-20°C	5°C
PKW-4004BX	17.1	18.2	19.7	20.1	23.2	24.1	15.3	16.7	17.9
PKW-4005BX	17.1	18.2	19.7	20.1	23.2	24.1	15.3	16.7	17.9
PKW-4007BX	20.2	21.3	22.1	23.8	25.1	26.0	17.8	18.8	19.5
PKW-4009BX	33.9	36.2	37.8	39.9	42.0	44.5	29.9	31.5	33.4
PKW-6211BX	48.8	51.4	54.8	57.4	60.5	64.5	43.1	45.4	48.4
PKW-6213BX	68.0	74.5	76.3	80.0	87.7	89.8	60.0	65.5	67.4
PKW-6217BX	104.6	113.4	115.7	123.0	133.4	136.1	92.3	100.1	102.2
PKW-8613BX	98.0	104.5	106.3	110.0	117.7	119.8	90.0	95.5	97.4
PKW-8617BX	144.6	151.6	161.5	170.1	178.3	190.0	127.5	133.7	142.5
PKW-8621BX	280.6	312.6	326.0	330.2	367.8	383.5	247.6	275.6	287.6
PKW-17017BX	236.0	295.7	300.2	280.7	303.5	352.7	210.8	227.6	259.1
PKW-10721BX	306.0	325.7	350.3	360.0	383.5	412.2	270.0	287.6	309.1
PKW-10725BX	374.0	393.3	407.8	440.0	462.7	479.8	330.0	347.1	359.9

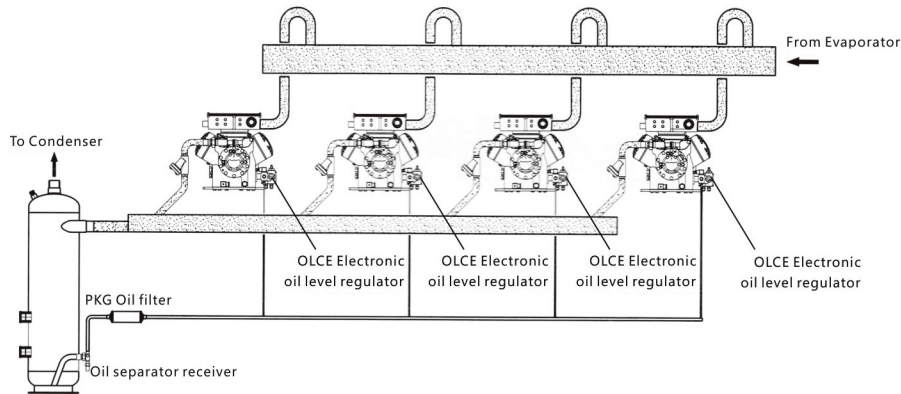
The listed above are on the basis of 40°C condensing temperature.

Part No.	Middle/high temperature	Low temperature
PKW-8613BX	130	180
PKW-8617BX	150	220
PKW-8621BX	180	260
PKW-17017BX	220	300
PKW-17021BX	390	520
PKW-17025BX	490	660

The allowed max. theoretical displacement VH(m³/h) listed above are on the basis of 40°C condensing temperature.

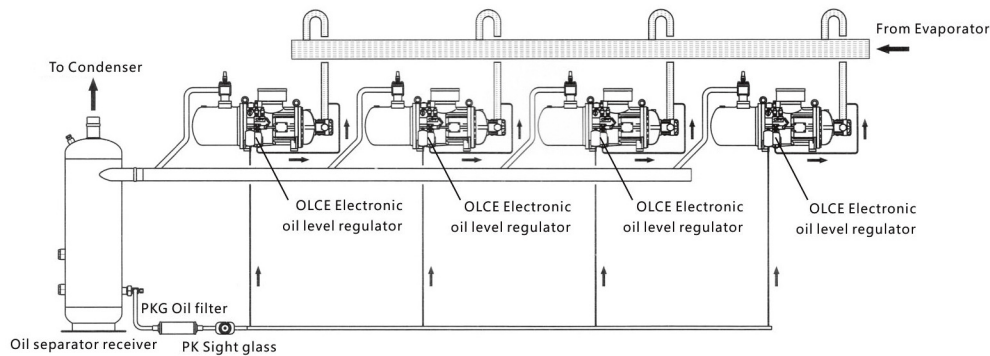
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Piston parallel unit

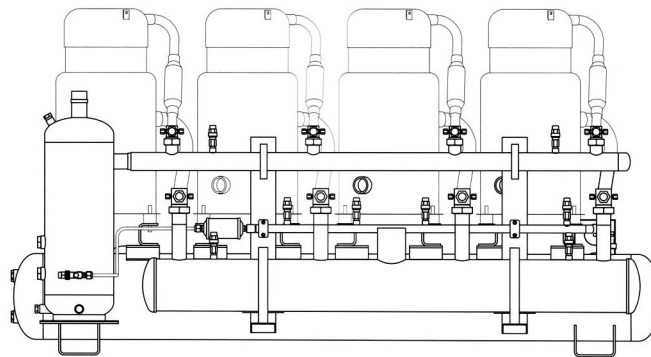


Oil return by discharge pressure for this new design with oil separator receiver

Screw parallel unit



Turbine parallel unit



Installation and start up

Precharge the separator with compressor refrigeration oil.

The separators should be installed in the discharge line between the compressor and condenser mounted in a vertical position and reasonably close to compressor. Choose a position to avoid, as far as possible, chilling of the shell, which may result in liquid condensing within oil separator. If it's not possible, better to use insulation, strap heater or others to prevent the refrigerant from condensing in the shell.

