

► MK-HP SERIES HIGH PRESSURE

COMPRESSED AIR DRYERS ◀

This design achieves a hyper-efficient 100% contact between the air and refrigerant circuits, delivering state-of-the-art performance and great cooling efficiency.

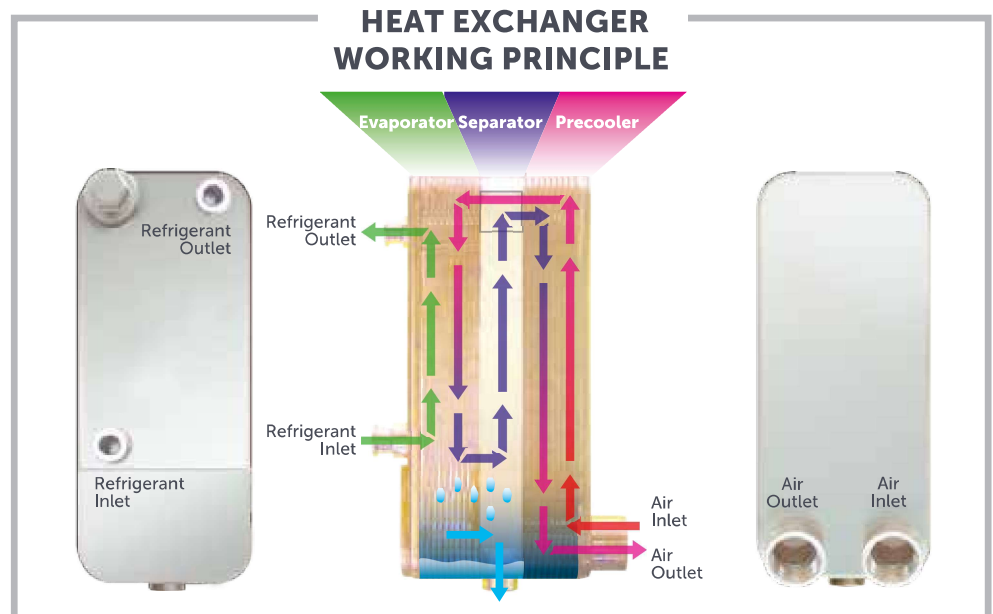
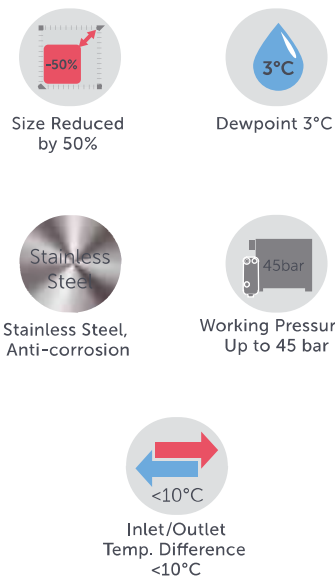
The state-of-the-art 3-in-1 design features very low differential pressure delivering significant energy savings. The 3-in-1 Heat-Exchanger is compact and allows the dryer to be smaller and reduces the space required for the dryer. Mikropor offers a variety of 3-in-1 dryers equipped with the 3-in-1 Heat-Exchanger to meet a full range of capacity and power requirements.



40 bar



Mikropor High Pressure Dryers have stainless steel brazed plate heat exchangers.



Mikropor MK-HP range High Pressure Air Dryer Series have state of the art stainless steel brazed plate heat exchanger. It is designed for high pressure air dryers. The heat exchanger has the following sections in one module;

- Air/Air heat exchanger (Economizer)
- Air/Refrigerant heat exchanger (Evaporator)
- Water separator

With reliable stainless steel and optimized efficiency design, Mikropor MK-HP heat exchangers supply size reduction, anti corrosion and great heat transfer.

Technical Specifications

Model	Capacity (m³/h)	Voltage	Connection Size	Dimensions (mm)		
				Width	Length	Height
MK-HP-50	50	230V / 1 Ph / 50 Hz	3/4"	454	361	553
MK-HP-90	90	230V / 1 Ph / 50 Hz	3/4"	454	361	553
MK-HP-150	150	230V / 1 Ph / 50 Hz	3/4"	453	401	623
MK-HP-220	220	230V / 1 Ph / 50 Hz	3/4"	453	401	623
MK-HP-300	300	230V / 1 Ph / 50 Hz	1 1/4"	505	451	762
MK-HP-400	400	230V / 1 Ph / 50 Hz	1 1/4"	505	451	762
MK-HP-500	500	230V / 1 Ph / 50 Hz	1 1/4"	505	451	812
MK-HP-575	575	230V / 1 Ph / 50 Hz	1 1/4"	505	451	812
MK-HP-775	775	230V / 1 Ph / 50 Hz	1 1/4"	675	501	984
MK-HP-910	910	230V / 1 Ph / 50 Hz	1 1/4"	675	501	984
MK-HP-1000	1000	230V / 1 Ph / 50 Hz	2"	947	727	1169
MK-HP-1160	1160	230V / 1 Ph / 50 Hz	2"	947	727	1169
MK-HP-1500	1500	230V / 1 Ph / 50 Hz	2"	947	727	1169
MK-HP-1600	1600	400V / 3 Ph / 50 Hz	2"	947	727	1459
MK-HP-1800	1800	400V / 3 Ph / 50 Hz	2"	947	727	1459
MK-HP-2200	2200	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495
MK-HP-2500	2500	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495
MK-HP-2700	2700	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495
MK-HP-3000	3000	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495
MK-HP-3300	3300	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495
MK-HP-3600	3600	400V / 3 Ph / 50 Hz	2 1/2"	1162	797	1495

Correction Factor for MK-HP Series

Pressure (bar)	F1	Inlet Temp. (°C)	F2	Ambient Temp. (°C)	F3
-	-	-	-	7	0,20
-	-	-	-	10	0,28
-	-	-	-	13	0,34
-	-	-	-	15	0,40
-	-	-	-	20	0,50
-	-	-	-	25	0,60
-	-	-	-	30	0,75
-	-	-	-	35	0,85
35	1	25	1	40	1
40	0,85	30	0,93	45	1,10
45	0,72	35	0,87	-	-
50	0,63	40	0,82	-	-
-	-	45	0,79	-	-

Nominal Working Pressure	40 barg	Minimum Inlet Temperature	5°C
Maximum Working Pressure	45 barg	Nominal Ambient Temperature	25°C
Minimum Working Pressure	7 barg	Maximum Ambient Temperature	45°C
Nominal Inlet Temperature	35°C	Minimum Ambient Temperature	5°C
Maximum Inlet Temperature	50°C	Refrigerant	R134a