

### KKT 55 mobile DRY AIR dryer











#### The mobile unit with the SWITCH technology ...

The KKT dryer range for hygroscopic materials is designed for dry air volumes of 55, 75 and 100 m<sup>3</sup>/hr. In addition, these auxiliary dryers now feature what is known as a SWITCH control system which adapts them to suit different materials and throughput rates. Energy savings of up to 40 % can therefore be made. The microprocessor control unit designed in-house guides the user through the program in a self-explanatory manner. All relevant operating modes are available. These include the temperature of each container to a precision level of +/- I °C, the run time of operating cycles, the set timings and the operating program selected. The timer clock switches the KKT dry air dryer on at the right time. The standard RS-232 interface also provides scope for external access to the control unit. If so desired, you can also be supplied with a 422 or 485 interface.

#### Drying temperature of up to 160 degrees

The dry air dryers work with two drying containers which operate alternately. This enables a dew point of approx. - 35 °C to be achieved. This represents a value of 0.19 g H<sub>2</sub>O per 1 m<sup>3</sup>. The high drying temperature of up to 160 °C also enables highly demanding grades of plastic to be dried. The modular container sizes with volumes of 12, 24, 40, 60, 100, 200 and 300 litres enable the KKT series of dryers to be adapted to suit individual requirements.

Equipped with three programs, it can be adapted to suit all requirements.

- The economic power saving program saves energy costs of up to 40 %
- The basic program serves your standard production facility
- The high-speed program is designed for maximum material throughput levels and optimum quality

Plain text extracts serve to document all relevant operating conditions and provide information such as ...

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- the temperature of each container to a precision of +/- I °C
- the run time of each operating cycle
- the set times
- the operating program selected
- without compressed air







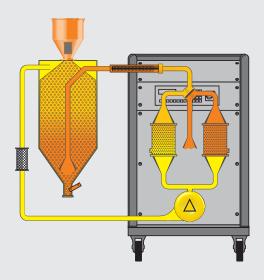
example: modular container system

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KKT 55

### KKT 75 mobile DRY AIR dryer





## The powerful mobile unit with the SWITCH technology ...

- dries directly on the processing machine
- additional container or intermediate hopper for up to 200 litres.
  Volume available as a standard version
- modular system
- colouring and mixing can be performed alongside the drying process
- rapid location changes to another machine
- simple operation offering optimum operational safety and reliability
- without compressed air

#### Precautions to ensure safe operation

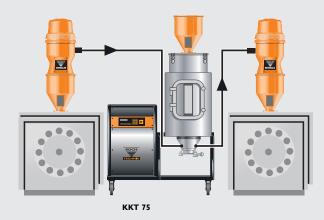
- Micro filter
- Overload trip protection
- Motor protection switch
- Air monitoring

Schematic diagram of the KKT 55/75 drying circuit

#### The KKT 55 and KKT 75 modular system of dry air dryers

Wherever two machines are located beside one another, one person can also operate two machines. The drying container is equipped with a clamping flange which can be used on all KOCH intermediate hoppers. All KOCH conveyor equipment is designed to fit these hoppers.



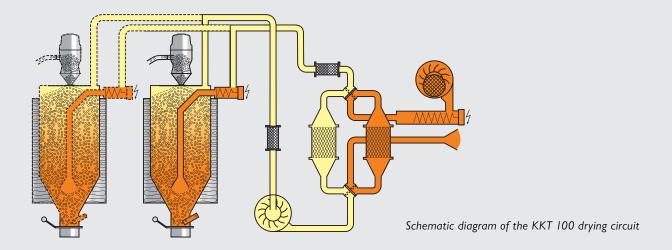


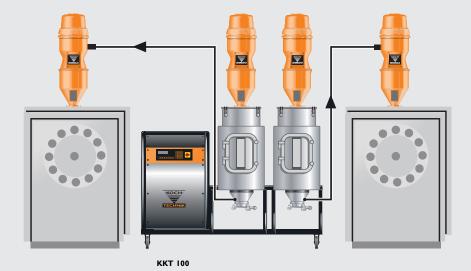
# KKT 100 mobile DRY AIR dryer



# The more powerful mobile unit with the SWITCH technology ...

- KKT 100, the innovative dry air dryer from Koch Technik
- Mobility, an important factor for your production
- You can use the mobile KKT 100 safely anywhere and at any time
- The KKT 100 provides a constant supply of dry air including during the regeneration phase by operating two independent drying circuits
- 3 micro filters assure safe and reliable operation
- Individual containers of up to 300 litres
- without compressed air





example: operating two machines

## KKT series specifications

Type KKT 55	
DRY AIR volume	55 m³/h
regeneration heating	I,4 kW
connected load depending on container	I,0 - 3,0 kW *
average economy	I,I / I,5 / 2 kW I, 2 ,3 Behälter
bower power rating	0,25 kW
drying hopper (in litres)	12 / 20 / 40 / 60 / 100 / 150
several containers up to	I20 Liter
temperature range	120°C / 160°C

ABS	42	80°	PETP	27	120°
CA	31	75°	PMMA	35	80°
CAB	28	75°	POM	38	105°
PA 6	24	80°	PP	40	100°
PA 12	26	95°	PS	50	80°
PC	35	120°	PUR	35	90°
PE	44	95°	SAN	45	80°
* these are nominal values and depend on the moisture level					

Type KKT 75	
DRY AIR volume	75 m³/h
Regeneration heating	I,7 kW
connected load depending on container	I,0 - 3,0 kW *
average economy	I,8 / 2,2 / 3 kW
bower power rating	0,25 kW
drying hopper (in litres)	12 / 20 / 40 / 60 / 100 / 200
several containers up to	I60 Liter
temperature range	120°C / 160°C

ABS	65	80°	PETP	47	120°
CA	45	75°	PMMA	55	80°
CAB	37	75°	POM	54	105°
PA 6	30	80°	PP	60	100°
PA 12	35	95°	PS	82	80°
PC	45	120°	PUR	48	90°
PE	70	95°	SAN	60	80°

Type KKT 100				
DRY AIR volume	100 m³/h			
Regeneration heating	2,5 kW			
connected load depending on container	I,0 - 4,5 kW *			
average economy	3,5 / 4,5 / 5,5 kW			
bower power rating	2 x 0,25 kW			
drying hopper (in litres)	20 / 40 / 60 / 100 / 200 / 300			
several containers up to	200 Liter			
temperature range	120°C / 160°C			
* guide values vary depending on initial moisture level				

Troughput* kg/h with 300 l hopper temperature in C°						
ABS	85	80°	PETP	57	120°	
CA	52	75°	PMMA	68	80°	
САВ	46	75°	POM	75	105°	
PA 6	55	80°	PP	82	100°	
PA 12	58	95°	PS	100	80°	
PC	82	120°	PUR	73	90°	
PE	90	95°	SAN	80	80°	

<sup>\*</sup> these are nominal values and depend on the moisture level



dimension X at 40 / 60 / 100 / 200 litres = 400 mm at 12 + 24 litres = 530 mm



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DRYING

KKT