

DRYING

The logo features a stylized orange bird icon above the text "motan" in orange and "swift" in white.

Compact dryer with integrated conveying  
**COMPACT swift**

 think materials management



# COMPACT swift 80/150

## COMPACT DRYER WITH INTEGRATED CONVEYING

### motan swift – simple units, combined with state-of-the art control technology

The new motan swift product family comprises the most cost-efficient models of the motan product portfolio. motan swift products are quick and easy to operate. Whether for standardised injection moulding, blow moulding, or extrusion applications – they are always the right choice. The motan swift product family not only represents value for money, quick delivery and our usual motan quality, but also state-of-the-art control technology.

The COMPACT swift S and COMPACT swift A dryers are designed for flexible material processing in the production line and are suitable for use with a processing machine. They offer a system-specific solution with integrated conveying and a drying bin. The dryers are available in two versions and are each equipped with one drying bin of the size 80 or 150 litres and 2 hopper loaders with a capacity of 4 litres each. The COMPACT swift A dryer is provided with advanced functions such as the dew point control and the dry air conveying function with purging.

### Drying

The COMPACT swift dryers are developed especially in order to guarantee a stable and reliable drying process. The two desiccant cartridges generate a continuous dry air flow with low dew point and are perfectly suitable for production facilities with high air temperatures and high ambient humidity.

### COMP swift control

The microprocessor control of the COMPACT swift uses both SSR and PID technology in order to ensure a precise drying temperature. The control manages a dry air generator, a drying bin and 2 hopper loaders. Thanks to a modern 7" graphic display, all conveying and drying functions can be shown and monitored in a user-friendly way. The control offers a choice of 16 user interface languages. The A version of the dryers are equipped with a dew point control for accurate drying and reduction of the energy consumption, they are also equipped with a conveying line purging function.

COMPACT swift 80/150



COMP swift control



- Easy handling by means of a 7" colour display with touch screen
- 128 MB RAM, 128 MB Flash
- Intelligent maintenance reminder
- Available in 16 user interface languages
- Reserved communication interface
- Dew point control
- Line purging

## Conveying

The integrated METRO swift CHS loaders are used to transport plastic granulate quickly and without contamination to the processing machine or the drying bin. Costly downtimes are avoided by precisely coordinated material conveying to the processing machine. This prevents material loss and the production area remains clean and safe. Thanks to the integrated conveying function in the COMP swift control, you will save money as no separate conveying system is needed.

METRO swift CHS



Cleaning door for drying bin



## Side channel blower

A three-phase side channel blower is used for conveying. They are maintenance-free and have a long service life. Thanks to the low-noise, simple and compact design, the blowers can be installed directly in the dry air generator.

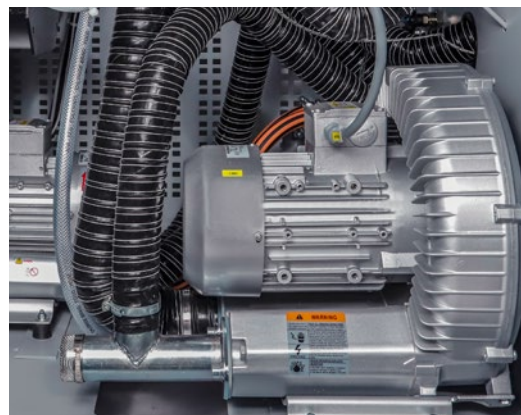
## LUXORBIN swift design

All drying bins are made of stainless steel and are completely insulated, including the drying bin cone. They are mounted on a stable frame. The long-life solid-state relays provide a precise and reliable temperature control which will prevent thermal damage to sensitive materials.

## Large cleaning door

All drying models are equipped with especially large cleaning doors with an inspection window and can be opened with the help of a quick-release lock. The doors are adapted to the shape of the drying bin which optimises the material flow and makes cleaning easier. A hinged lid facilitates the access from above.

Side channel blower



Fully insulated drying bin



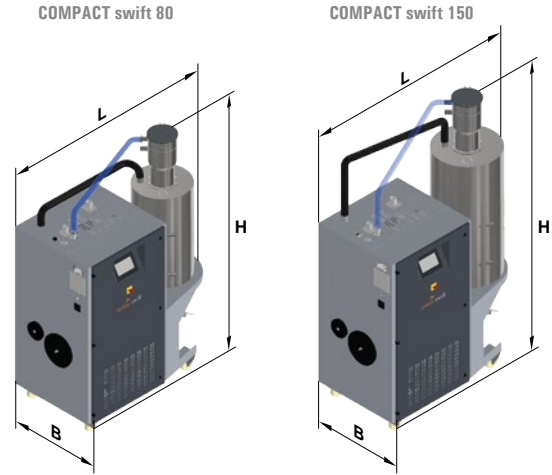
## Fully insulated drying bin

The entire drying bin including material discharge is completely heat-insulated. This ensures stable conditions in the bin and saves energy.

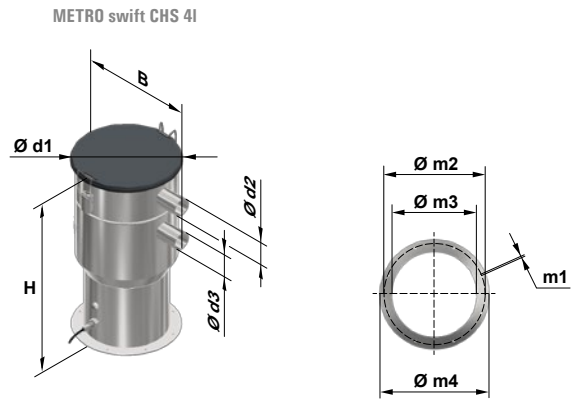
# COMPACT swift 80/150

## TECHNICAL DATA

Technical data	COMPACT swift 80	COMPACT swift 150
Drying bin volume (l)	80	150
Average dry air flow (m³/h)	30	50
Temperature range (°C)	60-140	60-140
Power supply (V/Hz)	3/N/PE 400/50	3/N/PE 400/50
Connected load (kW)	4.7	5.7
Maximum pre-fuse (A)	20	20
Dew point (°C)	-40 ~ -70	-40 ~ -70
Number of hopper loaders (max.)	2 (3)	2 (3)
Typical conveying distance (m)	5	5
Weight approx. (kg)	260	275
Dimensions (mm)		
L	1354	1354
B	717	717
H	1854	2114
Colour RAL window grey/slate grey	7040/7015	7040/7015



Technical data	METRO swift CHS 4l
Fill volume - litres/cycle (l)	4
Weight (kg)	3.8
Filter mesh size (µm)	1000
Dimensions (mm)	
H	398
B	260
Ø d1	226
Ø d2	38
Ø d3	38
m1	7
Ø m2	195
Ø m3	165
Ø m4	215



### Performance data

	Material throughput rates (kg/h)			
	Drying temp. (°C)	Residence time (h)	COMPACT 80	COMPACT 150
ABS	80	2,5	20	38
CA	75	2,5	15	28
CAB	75	3	13	25
CP	75	4	12	24
EPDM	80	4	11	20
PA 6/66	75	5	11	20
PA 6 40% GF	80	5	17	31
PA 6.10 / 11 / 12	80	5	11	20
PAEK	140	4	14	26
PBT	110	3	20	38
PC	120	2,5	20	38
PC/PBT	110	3,5	15	28
PE	90	2	12	23
PE black	90	3	11	21
PEEK	140	4	19	35
PEI	140	5	14	26

### Performance data

	Material throughput rates (kg/h)			
	Drying temp. (°C)	Residence time (h)	COMPACT 80	COMPACT 150
PES	140	4	15	28
PET	140	7	10	18
PI	140	2	24	45
PLA	100	3	15	28
PMMA	80	2,5	19	36
POM	110	2,5	22	42
PP	100	2,5	15	29
PP talc 40%	100	3	15	28
PPO (PPE)	110	2,5	20	38
PPS	140	3,5	19	35
PS	80	2	24	45
PSU	130	3	20	38
PVC	70	2	24	45
SAN	80	2,5	21	39
SB	80	2	22	42
TPU (PUR)	80	3,5	14	27

The throughput rates indicated in the table are based on approx. values applicable to commercially available materials. Subject to technical changes

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