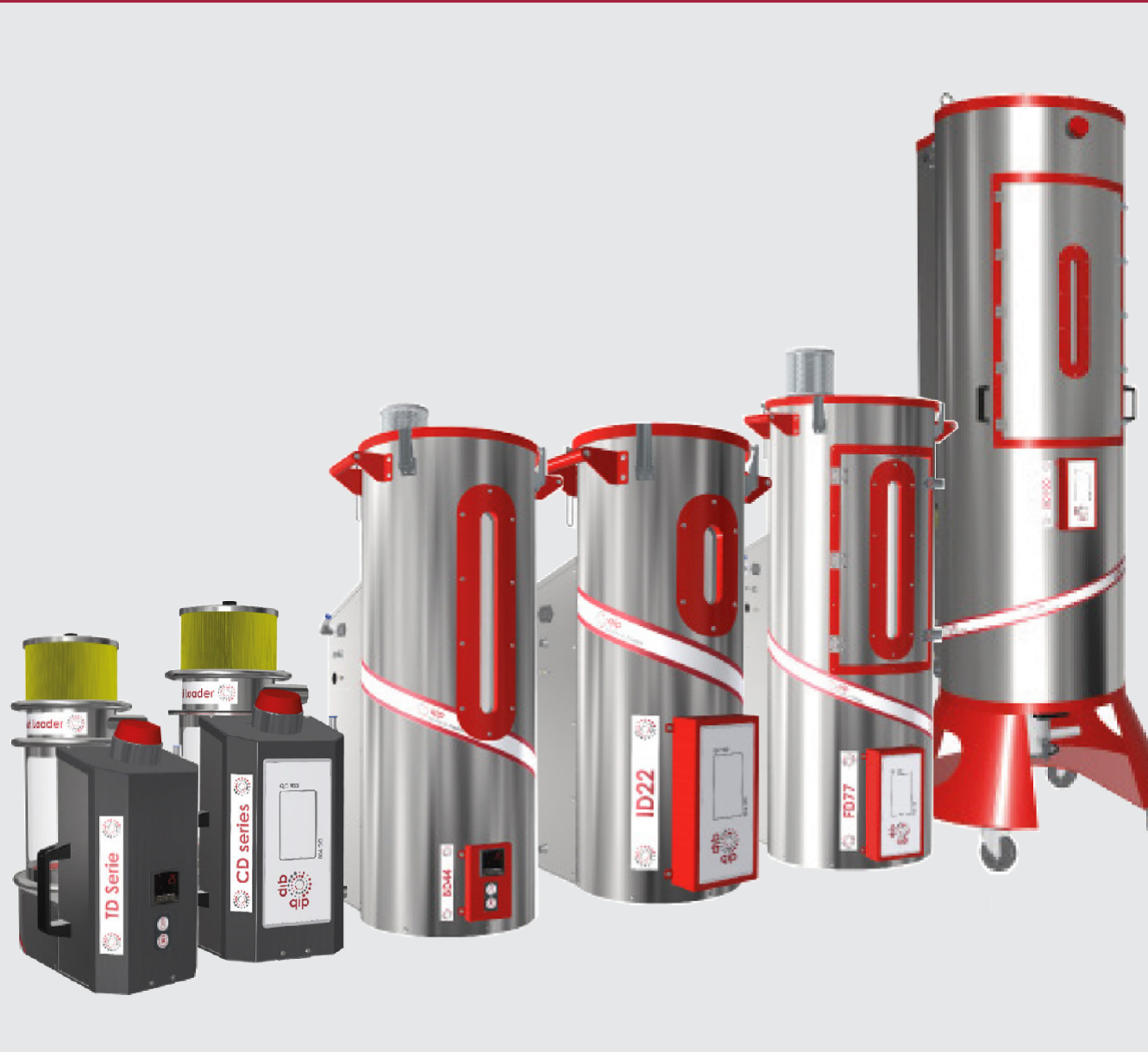




Single or dual circuit compressed air dryers





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Compressed air dryers

TD SERIES

Low material throughput - Hoppers from 1.5 to 11 litres

236

CD SERIES

Low material throughput - Hoppers from 1.5 to 11 litres

238

BD SERIES

Average material throughput - Hoppers from 22 to 170 litres

240

2-circuit dryers

ID SERIES

Average material throughput - Hoppers from 22 to 170 litres

242

FD SERIES

High material throughput - Hoppers from 44 to 220 litres

244

UD SERIES

Very high material throughput - Hoppers from 260 to 3700 litres

246

Details

Q900

Controller

247

MOUNTING POSSIBILITIES

At the foot of the machine or on the press



SERIE TD

Low material throughput - Hoppers from 1.5 to 11 litres



Model TD 2.5

BENEFITS

- Consistent drying performance. Low operating costs.
- Design optimized little space-saving for direct mounting on the production machine.
- Drying hopper made of transparent, heat-resistant borosilicate glass tube.
- Metal part made of high quality stainless steel.
- Simple to install and commission.
- Intuitive and self-explanatory operation with a simple programmer.
- Easy to clean.

EXAMPLES OF APPLICATIONS



The TD series from qip GmbH represents the new generation of compressed air-based resin dryers. In addition to the fact that no desiccant cartridge is required to produce dry air for the drying process, the TD series offers a round drying hopper consisting of high quality tubes, a stand or a transparent tube.

This facilitates material changes and offers further possibilities for material processing. The heated air is introduced into the drying hopper from below through an efficient and constant heating process.

A very compact design allows the unit to be installed directly on the production machine, enabling the TD series to be integrated.



TECHNICAL CHARACTERISTICS

TD	TD 2.5	TD 4.5	TD 7	TD 11
Drying hopper	2.5	4.5	7	11
Power supply (V / Hz)	230 / 50 ... 60			
Power (w)	350	350	350	350
Compressed air consumption (nm ³ /H)	1.5	2.5	3.5	4.5
Compressed air supply (bar)	6 à 10			
Compressed air quality	dew point: 3 to 5°C at 7bar / residual oil content max. 0.1 ppm			
Drying temperature (°C)	20 to 180 (higher drying temperatures on request)			
Penalized ambient temperature and humidity	+20 to + 60/80 % (non-condensing)			
/800/630H750a800height (mm)	380/410	450/510	570/630	750/800
Width (mm)	255	255	255	255
Depth (mm)	350	350	350	350
Weight (kg)	12	14	16	18

OPTIONS

TD	TD 2.5	TD 4.5	TD 7	TD 11
Mounting on a floor frame	-	-	-	-
Feeders (to and from the desiccator)	-	-	-	-
Various adapters	-	-	-	-
Programming clock	-	-	-	-

AVAILABLE MODELS



Model TD 4,5



Model TD 7



Model TD 11

SERIES CD

Low material throughput - Hoppers from 2.5 to 11 litres



Model CD 2.5

BENEFITS

- Consistent drying performance. Low operating costs.
- Design optimized little space-saving for direct mounting on the production machine.
- Drying hopper made of transparent, heat-resistant borosilicate glass tube.
- High quality stainless steel metal parts.
- Simple to install and commission.
- Intuitive and self-explanatory operation with a simple programmer.
- Easy to clean.

EXAMPLES OF APPLICATIONS



The CD series from qip GmbH represents the new generation of compressed air-based resin dryers.

In addition to the fact that no desiccant cartridge is required to produce dry air for the drying process, the CD series offers a round drying hopper consisting of high quality tubes, a stand or a transparent tube.

This facilitates material changes and offers further possibilities for material processing. The heated air is introduced into the drying hopper from below through an efficient and constant heating process.

A very compact design allows the unit to be installed directly on the production machine, making it possible to integrate the CD series.



TECHNICAL CHARACTERISTICS

CD	CD 2.5	CD 4.5	CD 7	CD 11
Drying hopper	2,5	4,5	7	11
Power supply (V / Hz)	230 / 50 ... 60			
Power (w)	350	350	350	350
Compressed air consumption (W)	1,5	2,5	3,5	4,5
Compressed air supply	6 à 10			
Compressed air quality	dew point: 3 to 5°C 01 7bar / residual oil content max. 0.1 ppm			
Drying temperature (°C)	20 to 180 (higher temperatures on request)			
Ambient temperature and humidity	+20 to +60 / 80 % (non-condensing)			
Height (mm)	380 / 410	450 / 510	570 / 630	750 / 800
Width (mm)	255	255	255	255
Depth (mm)	350	350	350	365
Weight (kg)	12	14	16	18

OPTIONS

CD	CD 2.5	CD 4.5	CD 7	CD 11
Mounting on a floor frame	-	-	-	-
Dew point control	-	-	-	-
Feeders (to and from the desiccator)	-	-	-	-
Communication interface with the machine	-	-	-	-
Various adapters	-	-	-	-

AVAILABLE MODELS



Model CD 4,5



Model CD 7



Model CD 11

SERIES BD

Average material throughput - Hoppers from 22 to 170 litres



BENEFITS

- Consistent drying performance.
- Automatic energy control, optimised for the flow rate of the matter.
- Low operating costs due to low compressed air consumption.
- Optimised, space-saving design for mounting on the production machine.
- Hopper of drying hopper parts made of high quality stainless steel.
- Intuitive and self-explanatory operation with a simple programmer.
- Easy to clean.

EXAMPLES OF APPLICATIONS



The BD series from qip GmbH represents the new generation of compressed air resin dryers. In addition to the major advantage that no desiccant is required to generate dry air for the drying process, the BD series offers a high quality stainless steel round drying body and is constructed without any air inlet pipes.

This minimises the cleaning effort when changing materials and frees up other material processing possibilities. The heated air is conducted into the dryer from below along the outer perimeter and causes an efficient and constant heating process.

The very compact design and the possibility of installing the unit directly on the production machine or on a mobile frame make the BD series an excellent and preferred system for drying small and medium quantities of material.



TECHNICAL CHARACTERISTICS

BD	BD 22	BD 44	BD 77	BD 120	BD 170
Drying hopper	22	44	77	120	170
Power supply (V / Hz)	230 / 50 ... 60				
Power (w)	1000	1000	3300	3300	3300
Compressed air consumption (W)	4,0 à 7,5	4,5 à 14,5	4,5 à 25,0	5,5 à 39,0	6,0 à 54,0
Compressed air supply	6 à 10				
Compressed air quality	dew point: 3 to 5°C 01 7bar / residual oil content max. 0.1 ppm				
Drying temperature (°C)	20 à 60				
Penalized ambient temperature and humidity	80% (non-condensing)				
Height (mm)	720	905	1095	1270	1420
Width (mm)	375	445	510	560	610
Depth (mm)	490	590	620	700	750
Weight (kg)	29	38	50	69	85

OPTIONS

BD	BD 22	BD 44	BD 77	BD 120	BD 170
Mounting on a floor frame	-	-	-	-	-
Feeders (to and from the desiccator)	-	-	-	-	-
Various adapters	-	-	-	-	-
Programming clock	-	-	-	-	-

AVAILABLE MODELS



Model BD 22



Model BD 44



Model BD 77



Model BD 120



Model BD 170

SERIES ID

Average material throughput - Hoppers from 22 to 170 litres



Model ID 22

BENEFITS

- Consistent drying performance.
- Automatic energy control, optimised for the flow rate of the materials.
- Low operating costs due to low compressed air consumption.
- Optimised, space-saving design for mounting on the production machine.
- Hopper of drying hopper parts made of high quality stainless steel.
- Intuitive and self-explanatory operation through a simple touch screen.
- Easy to clean.

EXAMPLES OF APPLICATIONS



The ID series from qip GmbH represents the new generation of compressed air resin dryers. Apart from the major advantage that no desiccant is required to generate dry air for the drying process, the ID series offers a round drying body made of high quality stainless steel and is constructed without any air inlet pipes.

This minimises the cleaning effort when changing materials and frees up other material processing possibilities. The heated air is conducted into the dryer from below along the outer perimeter and causes an efficient and constant heating process.

The very compact design and the possibility of installing the unit directly on the production machine or on a mobile frame make the ID series an excellent and preferred system for drying small and medium quantities of material.



TECHNICAL CHARACTERISTICS

ID	ID22	ID44	ID77	ID120	ID170
Drying hopper	22	44	77	120	170
Power supply (V / Hz)	1N 230 / 50 ... 60				
Power (w)	1000	1000	3300	3300	3300
Compressed air consumption (Nm ³ /h)	3.0 0 à 7.5	3.5 à 14.5	4.0 à 25.0	4.5 à 39.0	5.0 à 54.0
Compressed air supply (bar)	6 à 10				
Compressed air quality	dew point 3 to 5°C at 7bar / residual oil content max. 0.1 ppm				
Drying temperature (°C)	20 à 180				
Permitted ambient temperature	+20 à +60				
permitted ambient humidity	80% (no condensation)				
Height (mm)	720	905	1095	1270	1420
Width (mm)	375	445	510	560	610
Depth (mm)	490	590	620	700	750
Weight (kg)	29	38	50	69	85

OPTIONS

ID	ID22	ID44	ID77	ID120	ID170
Mounting on a floor frame	-	-	-	-	-
Dew point control	-	-	-	-	-
Feeders (to and from the desiccator)	-	-	-	-	-
Communication interface with the machine	-	-	-	-	-
Various adapters	-	-	-	-	-

AVAILABLE MODELS



Model ID 44

Model ID 77

Model ID 120

Model ID 170

SERIES FD

High material throughput - Tanks from 44 to 220 litres



BENEFITS

- Compressed air savings of up to 85%.
- Consistent drying performance.
- Automatic energy control, optimised for the actual material flow.
- Low operating costs due to low compressed air consumption.
- Optimised, space-saving design for mounting on the production machine.
- Hopper of drying hopper parts made of high quality stainless steel.
- Intuitive and self-explanatory operation through a colour touch screen.
- Easy to clean.

EXAMPLES OF APPLICATIONS

The FD series from qip-GmbH represents the new generation of resin dryers for compressed air, based on the two-circuit system that has been approved for many years.

In addition to the major advantages of no desiccant for the production of dry air for the drying process and very low compressed air consumption due to the two-circuit technology, the FD series offers a completely round drying hopper made of high quality stainless steel without any air inlet pipes.

This minimises the cleaning effort when changing materials and frees up other material processing possibilities. The heated air is conducted into the drying hopper along the outer perimeter and causes an efficient and constant heating process. This allows a further reduction in compressed air and makes the

The FD series is one of the most energy efficient resin dryers on the market.



TECHNICAL CHARACTERISTICS

FD	FD 44	FD 77	FD 120	FD 170	FD 220
Drying hopper	44	77	120	170	220
Power supply (V / Hz)	1N~230 / 50 ... 60			3N~400 / 50 ... 60	
Power (w)	2000	3600	3600	3600	3600
Compressed air consumption (Nm ³ /h)	3.0 à 4.0°	3.0 à 5.5°	3.0 à 9.0°	3.0 à 12.0°	3.0 à 16.0°
Compressed air supply (bar)	6 à 10				
Compressed air quality	dew point: 3 to 5°C at 7bar / residual oil content max. 0.1 ppm				
Drying temperature (°C)	20 à 180				
Ambient temperature and humidity	+20 à +60 / 80%				
Height (mm)	905	1095	1270	1420	1560
Width (mm)	445	510	560	610	670
Depth (mm)	590	620	700	750	800
Weight (kg)	42	52	76	94	125

OPTIONS

FD	FD 44	FD 77	FD 120	FD 170	FD 220
Mounting on a floor frame	•	•	•	•	•
Dew point control	•	•	•	•	•
Feeders (to and from the desiccator)	•	•	•	•	•
Communication interface with the machine	•	•	•	•	•
Various adapters	•	•	•	•	•

AVAILABLE MODELS



Model FD 77



Model FD 120



Model FD 170

SERIES UD

Very high material throughput - Hoppers from 260 to 3700 litres



FEATURES

- Constant drying performance for quicklime.
- Automatic energy control, optimised for material flow first.
- Low operating costs due to low compressed air consumption.
- Space saving and optimised design for mounting on the extruder.
- Drying hopper and sheet metal parts made of high quality stainless steel.
- Intuitive and explanatory operation thanks to a colourful touch screen.
- Easy to clean.

EXAMPLES OF APPLICATIONS

The UD series from qip GmbH represents the new generation of compressed air dryers that will fight against the two-circuit system that has been rejected by many people.

In addition to the main advantages! Hot drying does not require a desiccant and the compressed air consumption is very low due to the two-circuit technology. The UD series offers a round drying hopper with two service doors. This further reduces compressed air consumption and minimises cloning effort during motorbike changes. The use of high quality stainless steel parts for the components

reliable. The production process on high quality machines makes the UD series one of the most reliable and energy efficient resin dryers on the market.



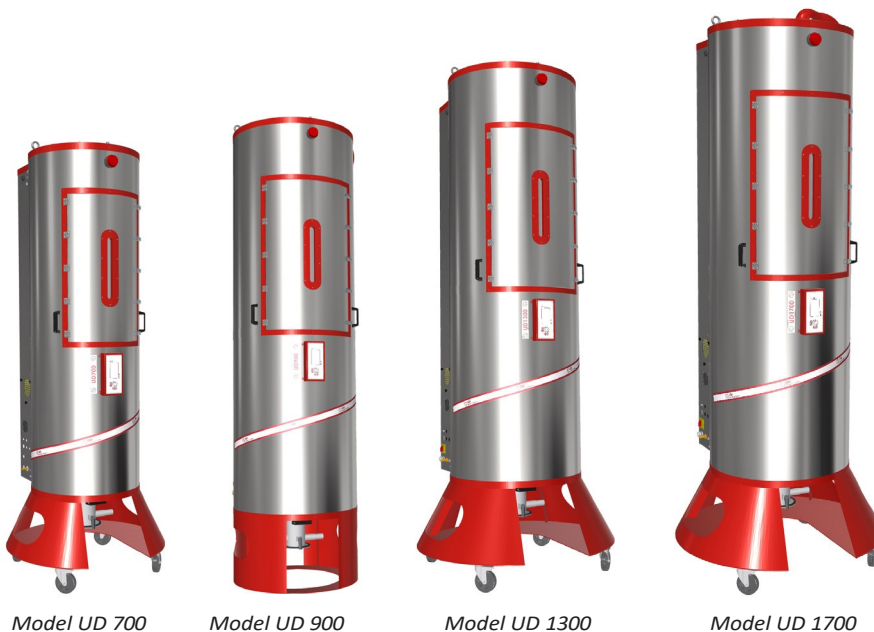
TECHNICAL CHARACTERISTICS

UD	UD260	UD360	UD500	UD700	UD900	UD1300	UD1700
Drying hopper	260	360	500	700	900	1300	1700
Power supply (V / Hz)	3N 400 / 50						
Power (kw)	8.0	8.0	9.5	13.5	16.5	24.0	31.0
Compressed air consumption (Nm ³ /h)	6 à 18	9 à 27	11 à 32	13 à 46	15 à 59	20 à 82	28 à 114
Compressed air supply (bar)	6 à 10						
Compressed air quality	dew point: 3 to 5°C at 7bar / residual oil content max. 0.1 ppm						
Drying temperature (°C)	20 à 180						
Permitted ambient temperature	+20 à +60						
permitted ambient humidity	80% (no condensation)						
Height with static (mobile) frame (mm)	2350 (2510)	2560 (2720)	2800 (2960)	3115 (3275)	3340 (3500)	3770 (...)	4060 (...)
Width with static (moving) frame (mm)	750 (940)	810 (1010)	870 (1070)	915 (1230)	975 (1290)	1170 (...)	1250 (...)
Depth with static frame (mobile) mm)	820 (950)	850 (1000)	940 (1060)	1040 (1200)	1105 (1260)	1190 (...)	1270 (...)
Weight (kg)	170	205	250	430	510	710	860

OPTIONS

UD	UD260	UD360	UD500	UD700	UD900	UD1300	UD1700
Mounting on a floor frame	-	-	-	-	-	-	-
Dew point control	-	-	-	-	-	-	-
Feeders (to and from the desiccator)	-	-	-	-	-	-	-
Communication interface with the machine	-	-	-	-	-	-	-
Various adapters	-	-	-	-	-	-	-

AVAILABLE MODELS



Q900

Controller



FEATURES

The QC900 controller is the heart of all drying units.

It represents the best technology available and offers many possibilities for communication with all kinds of machines and systems.

Modbus TCP/RTU, OPC UA, TTY/RS485 for

connection with different production machines, data exchange with SQL server or PDA systems (production data acquisition) as well as the possibility of accessing it with a web client via HTML 5 from any web browser in the world are just some examples of its impressive possibilities.

Special control algorithms automatically optimise the energy requirements according to the actual material flow.

Databases for drying programs, control of all kinds of hopper loaders and process data recording via USB are also included, as well as many other features.



