

SOMOS[®] - Drying-air generator

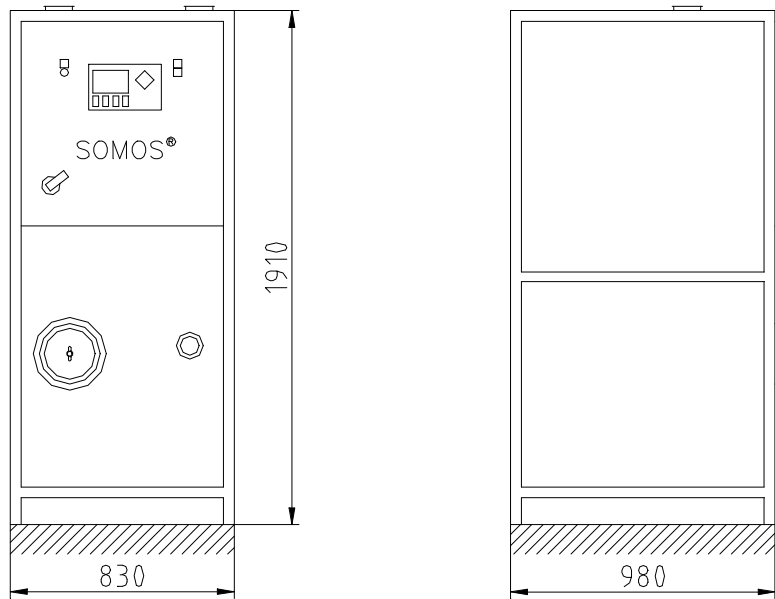
D 200, D 300, D 400, D 500

Application

The drying-air generators of the D series serve to prepare the dry air required for drying hygroscopic plastic granules. The combination of one or more drying hoppers with appropriate fittings results in

drying installations which are adapted to the individual production conditions to meet the highest demands with regard to throughput, drying quality and energy savings.

Technical Data



		D 200	D 300	D 400	D 500
• Drying air volume	m ³ /h	200	300	400	500
• Drying air					
– Temperature range	°C		60 – 140		
– HT version	°C		40 – 200		
– Dew point	°C		to - 50		
• Installed power					
– Drives	kW	1.2	2.7	3.3	3.7
– Regeneration heating	kW	9	9	12	12
• Power supply			3 N PE AC 50 Hz 400 V		
• Cooling water (HT-version)					
– Pressure	bar		2 – 4		
– Temperature	°C		8 – 12		
– Requirement					
– Full load 70% – 100%	m ³ /h	0	0	0	0
– Partial load 0% – 70%	m ³ /h	max. 1.2	max. 1.8	max. 2.4	max. 3.0
• Paint			RAL 5018/7016		
• Weight	kg	370	380	490	500
– HT version	kg	405	415	530	540
• Energy consumption*			*based on polycarbonate, drying temperature 120°C		
– Drying	kW/kg		0.04		
– Regeneration	kW/kg		approx. 0.02		

Specifications subject to change without notice

VKD 513.2 en 0904 Printed in Germany

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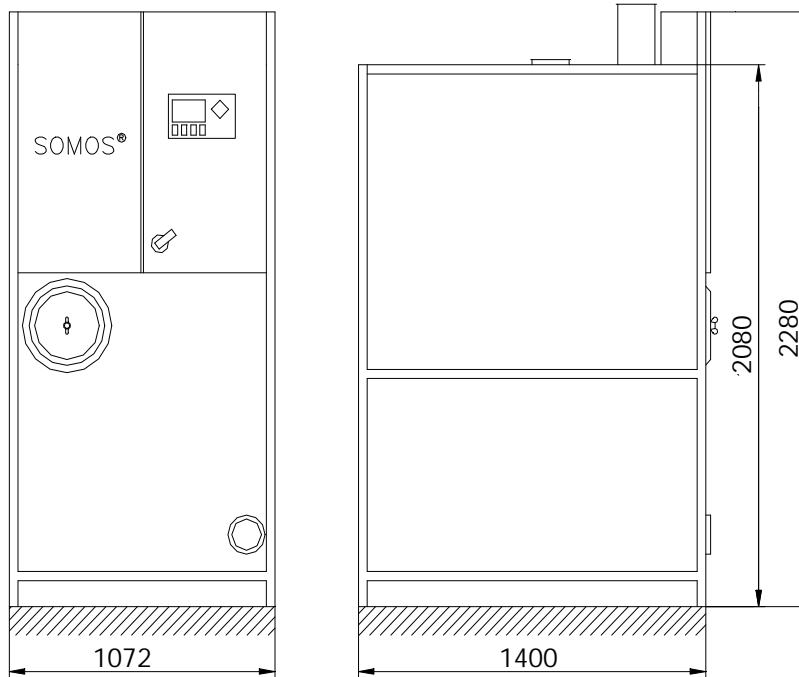
D 600, D 900, D 1100, D 1400

Application

The drying-air generators of the D series serve to prepare the dry air required for drying hygroscopic plastic granules. The combination of one or more drying hoppers with appropriate fittings results in

drying installations which are adapted to the individual production conditions to meet the highest demands with regard to throughput, drying quality and energy savings.

Technical Data



		D 600	D 900	D 1100	D 1400
• Drying air volume	m ³ /h	600	900	1200	1400
• Drying air					
– Temperature range	°C		60 – 140		
– HT version	°C		40 – 200		
– Dew point	°C		to - 50		
• Installed power					
– Drives	kW	3.7	6.0	8.2	8.2
– Regeneration heating	kW	13.5	13.5	13.5	13.5
• Power supply			3 N PE AC 50 Hz 400 V		
• Cooling water (HT-version)					
– Pressure	bar		2 – 4		
– Temperature	°C		8 – 12		
– Requirement					
– Full load 70% – 100%	m ³ /h	0	0	0	0
– Partial load 0% – 70%	m ³ /h	max. 3.6	max. 5.4	max. 6.6	max. 6.6
• Paint			RAL 5018/7016		
• Weight	kg	690	750	810	810
– HT version	kg	750	830	890	890
• Energy consumption*			*based on polycarbonate, drying temperature 120°C		
– Drying	kW/kg		0.04		
– Regeneration	kW/kg		approx. 0.02		

Specifications subject to change without notice

VKD 514.4 en 0106 Printed in Germany

Drying Capacity of Drying Units D Series

Material	Drying temperatur	Residence time	Drying capacity							
			D200	D400	D600	D900	D1100	D1400	D1800	D2400
	°C ₃₎	h	max kg/h							
ABS	80	2-3	110	220	330	495	605	770	880	1320
ASA	80	2-4	110	220	330	495	605	770	880	1320
ASA/PC	110	2-4	130	260	390	585	715	910	1040	1560
CA	75	2-3	80	160	240	360	440	560	640	960
CAB	75	2-3	90	180	270	405	495	630	720	1080
LCP	150	4	120	240	360	540	660	840	960	1440
PA 11/12	75	3-4	90	180	270	405	495	630	720	1080
PA 6	75	4-6	100	200	300	450	550	700	800	1200
PA 6.6, 6.10	80	3-5	100	200	300	450	550	700	800	1200
PAA	80	4	85	170	255	383	468	595	680	1020
PAEK	150	4	115	230	345	518	633	805	920	1380
PAEK-HT	180	3	115	230	345	518	633	805	920	1380
PAI	120	4	115	230	345	518	633	805	920	1380
PAR	150	4	120	240	360	540	660	840	960	1440
PAS	135	4,5	130	260	390	585	715	910	1040	1560
PBT	120	4	130	260	390	585	715	910	1040	1560
PC	120	2-3	140	280	420	630	770	980	1120	1680
PC/ABS	110	2-3	130	260	390	585	715	910	1040	1560
PC/PBT	105	2-4	130	260	390	585	715	910	1040	1560
PC/PET	105	2-4	110	220	330	495	605	770	880	1320
PE black	90	3	90	180	270	405	495	630	720	1080
PE ₂₎	90	1	90	180	270	405	495	630	720	1080
PEC	130	4-6	120	240	360	540	660	840	960	1440
PEEK ₁₎	150	3-4	130	260	390	585	715	910	1040	1560
PEI ₁₎	150	4	125	250	375	563	688	875	1000	1500
PEK	160	4	130	260	390	585	715	910	1040	1560
PES ₁₎	150	4	135	270	405	608	743	945	1080	1620
PET ₁₎	180	4-6	120	240	360	540	660	840	960	1440
PETG	60	4-6	80	160	240	360	440	560	640	960
PI	120	3	120	240	360	540	660	840	960	1440
PMMA	80	3	110	220	330	495	605	770	880	1320
POM	100	3	125	250	375	563	688	875	1000	1500
PP ₂₎	90	1	90	180	270	405	495	630	720	1080
PPA	80	6	80	160	240	360	440	560	640	960
PP-black	105	3-4	90	180	270	405	495	630	720	1080
PPE	120	3-4	115	230	345	518	633	805	920	1380
PPE/SB	120	2	120	240	360	540	660	840	960	1440
PPO	120	2	140	280	420	630	770	980	1120	1680
PPS	150	3-4	130	260	390	585	715	910	1040	1560
PPSU	150	2,5	130	260	390	585	715	910	1040	1560
PP-TV	100	3	90	180	270	405	495	630	720	1080
PS ₂₎	80	1	110	220	330	495	605	770	880	1320
PSU ₁₎	170	4	155	310	465	698	853	1085	1240	1860
PUR	80	3	110	220	330	495	605	770	880	1320
PVC ₂₎	70	1	110	220	330	495	605	770	880	1320
SAN	80	2-3	110	220	330	495	605	770	880	1320
SB	60	2	90	180	270	405	495	630	720	1080
TPE	110	2-3	130	260	390	585	715	910	1040	1560
TPU	100	1-2	125	250	375	563	688	875	1000	1500

¹⁾ When using HT version

²⁾ Only drying of surface-moisture, without heating

³⁾ Stated parameters are for maximum, please take heed of the manufacturers' instructions
All the values refer to virgin material (pellets).