

# Newsletter

## Oil/water-separators

How much condensate accumulates?

What is the optimal size of separator?

Which filter life are expected?

With the diagrams inside you are able  
to find practical answers

Good luck! Your *drukomat* - team



*drukomat* - standard range since 35 years

*drukosep* - with 3-stage combifilter

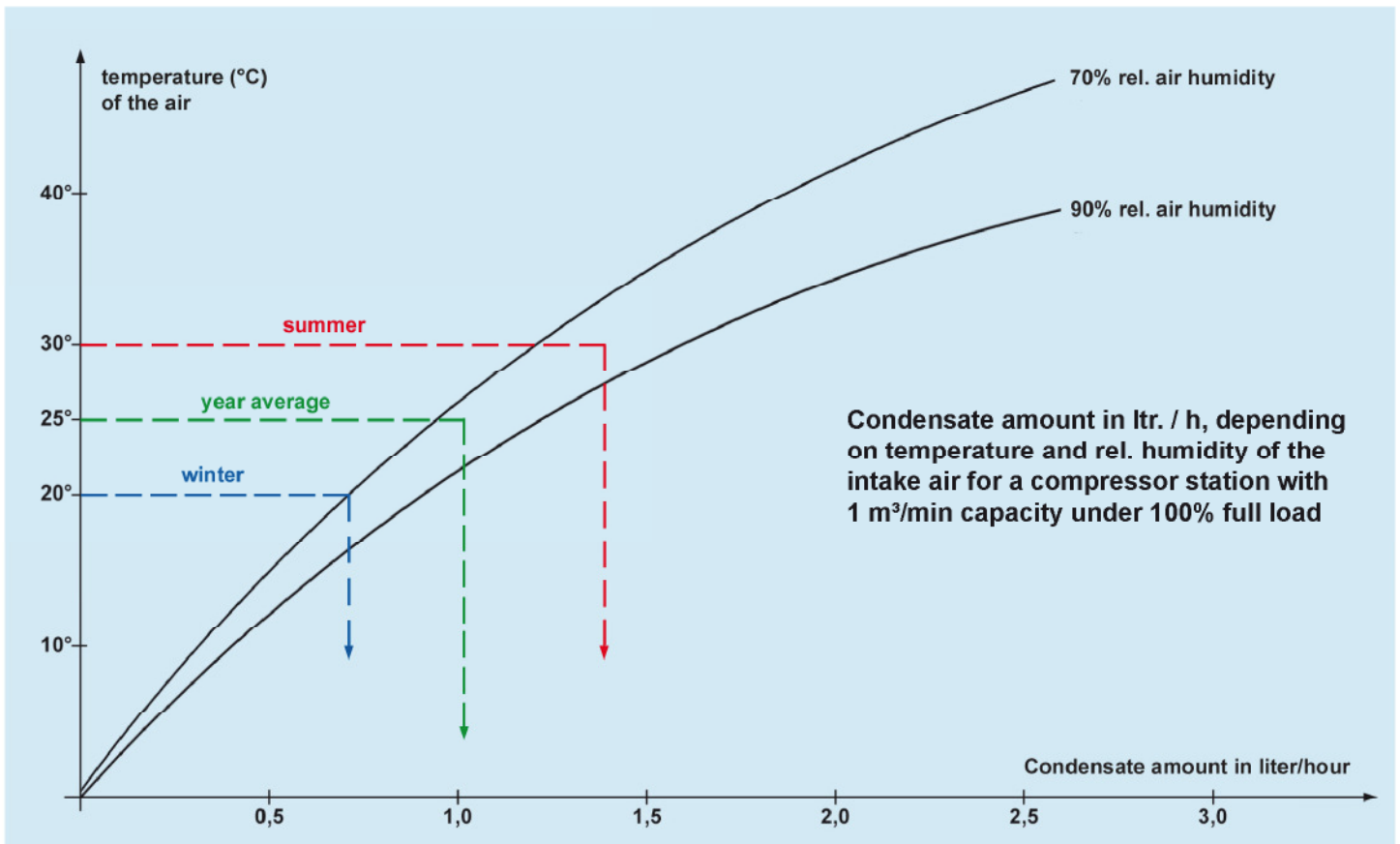
*drukomat plus* - with preko-streamingfilter

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# How much condensate accumulates ?



## Sample „a“

Compressor capacity: 3 m<sup>3</sup>/min (utilization 100%)  
 Mileage: 8 hrs/day - 5 days/week  
 desired filter life: 6 months

### How much condensate accumulates?

From the chart above we see the amount of condensate with:  
 1 liter per hour per m<sup>3</sup>/min compressor capacity (annual average)  
 With this we can calculate the condensate amount for 6 months:

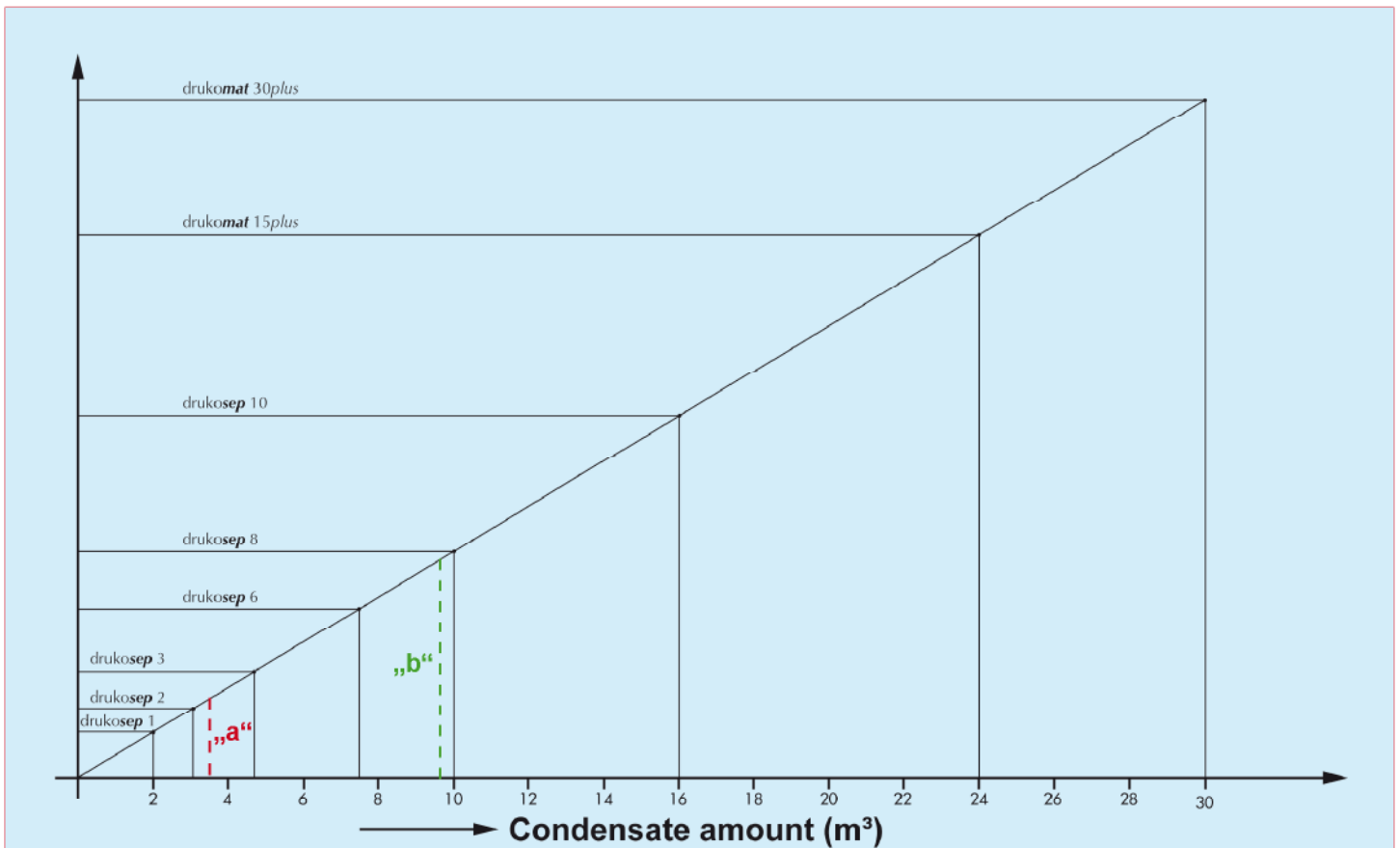
$$3 \times 1 \text{ l/h} \times 8 \text{ h/day} \times 5 \text{ days/week} \times 4,5 \text{ weeks/month} \times 6 \text{ months} = 3240 \text{ liter}$$

## Sample „b“

Compressor capacity: as sample „a“ but  
 Mileage: 20 hrs/day - 6 days/week  
 desired filter life: 6 months

With this the condensate amount is: = 9720 Liter

## Choosing-chart for separators



**selected separator size for sample „a“:** drukosep 3

**selected separator size for sample „b“:** drukosep 8

### Note:


These examples clearly show that the compressor capacity is only one factor in determining the separator size.

Besides running time and filter life affect compressor oils, surrounding conditions and state of maintenance of the compressed air systems the result.

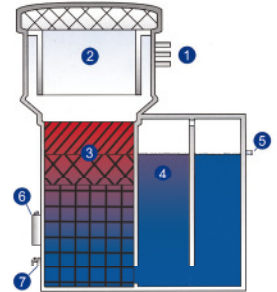
The performance data in the chart above are average values that we have determined over many years in practice and may represent only an indication.


**Any questions, please call us!**

# Oil/water-separator

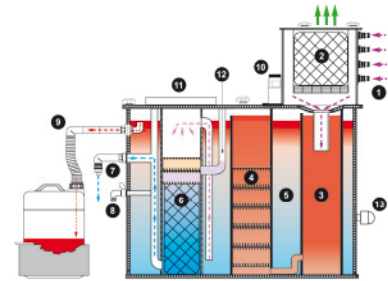
	drukosep						Level switch	
	drukosep 1	drukosep 2	drukosep 3	drukosep 6	drukosep 8	drukosep 10	NS 10	NS10P
								
Capacity in m <sup>3</sup> /min for <b>Screw- and Rotary-compressors</b>	1,8	2,5	3,5	6	10	12	optical + acoustic alarm SPDT battery powered	only SPDT
Capacity in m <sup>3</sup> /min for <b>Pistoncompressors</b> (1 and 2 stage)	1	2	2	3	5	6		
<b>Connections</b> Condensate inlet Water discharge Oil discharge	3xR1/2" R1"(NW25)	3xR1/2" R1"(NW25)	3xR1/2" R1"(NW25)	4xR1/2" R1"(NW25)	4xR1/2" R1"(NW25)	4xR1/2" R1"(NW25)	retrofitable at any time	retrofitable at any time
<b>Weight / kg</b>	5	7	10	17	22	25		
<b>Order-no.</b>	3201	3202	3203	3206	3208	3210	3390	3395


**drukosep**  
the priceless solution



	drukomat plus			
	drukomat 15 +	drukomat 30 +	drukomat 31 +	drukomat 61 +
				
Capacity in m <sup>3</sup> /min for <b>Screw- and Rotary-compressors</b>	15-25	30-50	40-60	60-100
Capacity in m <sup>3</sup> /min for <b>Pistoncompressors</b> (1 and 2 stage)	6-12	10-20	20-30	30-50
<b>dimensions / mm</b> Height Width Depth	1160 620 520	1160 850 520	1160 850 520	1450 1350 1300
<b>Connections</b> Condensate inlet Water discharge Oil discharge	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R2"(NW25) R2"(NW25)
<b>Weight / kg</b>	40	60	65	100
<b>Order-no.</b>	3215	3230	3231	3261

**drukomat plus**  
with preko-streamingfilter



	drukomat				
	drukomat 4	drukomat 8	drukomat 15	drukomat 30	drukomat 61
					
Capacity in m <sup>3</sup> /min for <b>Screw- and Rotary-compressors</b>	5	8	15	30	70
Capacity in m <sup>3</sup> /min for <b>Pistoncompressors</b> (1 and 2 stage)	3	3	5	10	20
<b>dimensions / mm</b> Height Width Depth	965 600 380	965 620 520	1160 620 520	1160 850 520	1450 1350 1300
<b>Connections</b> Condensate inlet Water discharge Oil discharge	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R1"(NW25) R1"(NW25)	4xR1/2" R2"(NW25) R2"(NW25)
<b>Weight / kg</b>	22	25	28	55	90
<b>Order-no.</b>	3001	3002	3003	3004	3161

**drukomat**  
standard range since more than 30 years

