

Data Sheet

Condensate Tanks and Condensate Pumps

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Condensate tank as cylindrical vessel with tank bottoms, made of steel or stainless steel, laying on 2 saddles. With manway, overflow loop and further connections. Length of sockets 150 mm, for insulation 100 mm thick.

Condensate tank, operating overpressure max. 0,5 bar, operating temperature max. 110 °C

volume, total	1,7 m ³	2,5 m ³	3,9 m ³	5,2 m ³	6,6 m ³	8,6 m ³	10,6 m ³	12,5 m ³	16,8 m ³	19,8 m ³	26,6 m ³	31,5 m ³	41,1 m ³	55,8 m ³	68,8 m ³	81,9 m ³
volume, useful	1,5 m ³	2,1 m ³	3,4 m ³	4,4 m ³	5,6 m ³	7,3 m ³	9,0 m ³	10,7 m ³	14,2 m ³	16,8 m ³	22,6 m ³	26,8 m ³	34,9 m ³	47,4 m ³	58,5 m ³	69,6 m ³
diameter	Ø 1000 mm	Ø 1000 mm	Ø 1250 mm	Ø 1250 mm	Ø 1600 mm	Ø 1600 mm	Ø 1600 mm	Ø 1600 mm	Ø 2000 mm	Ø 2000 mm	Ø 2500 mm	Ø 2500 mm	Ø 2500 mm	Ø 2900 mm	Ø 2900 mm	Ø 2900 mm
cyl. shell length	2000 mm	3000 mm	3000 mm	4000 mm	3000 mm	4000 mm	5000 mm	6000 mm	5000 mm	6000 mm	5000 mm	6000 mm	8000 mm	8000 mm	10000 mm	12000 mm
total length	2360 mm	3360 mm	3440 mm	4440 mm	3520 mm	4520 mm	5520 mm	6520 mm	5640 mm	6640 mm	5800 mm	6800 mm	8800 mm	8900 mm	10900 mm	12900 mm
total height	1400 mm	1400 mm	1650 mm	1650 mm	2000 mm	2000 mm	2000 mm	2000 mm	2400 mm	2400 mm	2900 mm	2900 mm	2900 mm	3300 mm	3300 mm	3300 mm
wall thickness shell	4 mm	5 mm	5 mm	5 mm	5 mm	5 mm	6 mm	6 mm	6 mm	8 mm	8 mm	8 mm	9 mm	10 mm	10 mm	10 mm
wall thickness heads	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm	6 mm	6 mm	7 mm	7 mm	7 mm	9 mm	9 mm	9 mm
insulation surface	10,4 m ²	14,2 m ²	17,8 m ²	22,4 m ²	23,4 m ²	29,0 m ²	34,7 m ²	40,3 m ²	44,1 m ²	51,1 m ²	56,8 m ²	65,3 m ²	82,3 m ²	96,9 m ²	116,4 m ²	135,9 m ²
empty weight	390 kg	570 kg	730 kg	880 kg	960 kg	1150 kg	1570 kg	1800 kg	2070 kg	3010 kg	3470 kg	3960 kg	5470 kg	7340 kg	8760 kg	10190 kg
operating weight	1890 kg	2670 kg	4130 kg	5280 kg	6560 kg	8450 kg	10570 kg	12500 kg	16270 kg	19810 kg	26070 kg	30760 kg	40370 kg	54740 kg	67260 kg	79790 kg

Condensate pump for delivery of condensate up to max. 120 °C. Design as multi-stage vertical centrifugal pump with flange connections. Casing made of stainless steel or cast iron, impeller made of stainless steel.

With three-phase motor, voltage feed 230/400 V, 50 Hz or 400/690 V, 50 Hz respectively. Design type B14 or B5 respectively. Protection type IP 55. Insulation class F. Optionally with control system for rotation speed control.

Accessories: Pump piping, completely pre-assembled. Including connection flanges, reductions, shut-off valve suction side, shut-off valve pressure side, non-return valve pressure side, pressure gauge with water siphon and pressure gauge cock.

Condensate pump

flow capacity	1,0 m ³ /h	1,5 m ³ /h	2,0 m ³ /h	3,0 m ³ /h	4,0 m ³ /h	5,0 m ³ /h	6 m ³ /h	8,0 m ³ /h	12 m ³ /h	20 m ³ /h	30 m ³ /h	40 m ³ /h	50 m ³ /h	60 m ³ /h	80 m ³ /h	100 m ³ /h
at counter-pressure	2,9 bar	2,6 bar	3,2 bar	3,1 bar	2,8 bar	3,0 bar	3,1 bar	3,4 bar	3,0 bar	3,3 bar	2,6 bar	2,9 bar	3,4 bar	3,2 bar	2,9 bar	2,8 bar
nominal connection diameter	DN 25	DN 25	DN 25	DN 25	DN 32	DN 32	DN 32	DN 40	DN 50	DN 50	DN 65	DN 80	DN 80	DN 100	DN 100	DN 100
nom. piping diam., suct. side	DN 15	DN 15	DN 20	DN 25	DN 25	DN 32	DN 32	DN 40	DN 50	DN 65	DN 80	DN 100	DN 100	DN 100	DN 125	DN 150
nom. piping diam., pres. side	DN 15	DN 15	DN 15	DN 20	DN 20	DN 25	DN 25	DN 32	DN 40	DN 50	DN 65	DN 65	DN 80	DN 100	DN 100	DN 125
efficiency	38 %	32 %	36 %	41 %	54 %	57 %	58 %	62 %	64 %	64 %	78 %	78 %	78 %	74 %	78 %	78 %
nominal motor power	0,25 kW	0,37 kW	0,55 kW	0,75 kW	0,75 kW	1,1 kW	1,1 kW	1,5 kW	2,2 kW	3,0 kW	4,0 kW	4,0 kW	7,5 kW	7,5 kW	11,0 kW	11,0 kW
motor rotation speed	1450 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min	2900 1/min
motor noise level	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	<70 dB (A)	73 dB (A)
weight	22 kg	18 kg	19 kg	22 kg	21 kg	22 kg	23 kg	32 kg	32 kg	38 kg	78 kg	80 kg	108 kg	118 kg	148 kg	148 kg