Condensate pumps

Air conditioning

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Solenoid pump

Due to their high power capacity, solenoid pumps are used in split condensate pump systems like the EE600, EE1800, EE1000 / EE2000, EE1200K, EE1750M. The advantage of this approach results in increased discharge heads and a very compact overall system size.

example image

swiss drive
inside

Rotating piston pump

With greatly reduced motor speed and large piston area, rotating piston pumps ensure extremely quite operation levels, with high suction and pressure heads. The EE900M combines two independent activation interfaces: - for either float switch or temperature sensor (ΔT) in one pump.

example image

Condensate removal pumps
for air conditioning units / systems

Split pumps

Technical Data

Series	PUMP*KIN*®10	EE600	EE1000	EE2000	EE1800	EE1200	EE1750M	EE900M
Special features	inexpensive & robust	integrated buzzer (beeper)	-	VDE homologated	high flow rate & pump capacity with compact dimensions	incl. cable duct (800 x 80 x 60 mm)	high flow rate & pump capacity	Operation by float switch or temperature sensor (ΔT)
Noise level [db(A)]*	29	28	27		28	27	35	26
For air conditioners up to [kW]	10	7,5	10		20	10	30	7,5
Drive	Solenoid pump	Solenoid pump	Solenoid pump		Solenoid pump	Solenoid pump	Solenoid pump	Rotating piston pump
Mains voltage & frequency	230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz		230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz
Power consumption [W]	Operation: 15 | Standby: 1	Operation: 13 | Standby: 1	Operation: 8 | Standby: 1		Operation: 14 | Standby: 1	Operation: 8 | Standby: 1	Operation: 40 | Standby: 1	Operation: 10 | Standby: 1,5
Max. flow rate [l/h]	9	6	10		18	10	32	6
Max. delivery height [m]	10	6	10		10	10	15	7
Max. suction height [m]	1,5	1,5	1,5		2,5	-	3	2 (4 on demand)
Pump unit L x W x H [mm]	151 x 33 x 33	77 x 32 x 50	77 x 37,5 x 62		77 x 37,5 x 62	82 x 39 x 39 mm	100 x 81,5 x 67	152 x 85 x 114
Float switch L x W x H [mm]	82 x 39 x 39	82 x 39 x 39	82 x 39 x 39		82 x 39 x 39	82 x 39 x 39	82 x 39 x 39	82 x 39 x 39
Switch points float switch [mm]	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1		Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1	Alarm: max. 23 Start: 20 ±1 Stop: 15 ±1
Temperature sensor	-	-	-		-	-	-	Length: 3 m Switch point: 7 Kelvin (ΔT)
Alarm switch	-	integrated buzzer (beeper)	max. 230V, 8A (ohmic load) NO normally open NC normally closed		max. 230V, 8A (ohmic load) NO normally open NC normally closed	max. 230V, 8A (ohmic load) NO normally open NC normally closed	max. 230V, 8A (ohmic load) NO normally open NC normally closed	48V, 1,5A (ohmic load) NO normally open only wehy using a float switch
Pressure, suction hose [mm]	6 x 1,5	6 x 1,5	6 x 1,5		6 x 1,5	6 x 1,5	6 x 1,5	6 x 1,5

* Measured in the sound measurement room of Eckerle Hydraulic Division; microphone distance: 1.0 m axial

Centrifugal pump

Most tank pumps available on the market, such as our EE150, EE300 and EE400NEO are equipped with this robust and reliable technology . A key feature of the positive displacement principle is its high flow rate as well as its insensitivity to dirt.

example image

Technical Data

Series	EE150	EE300	EE400NEO	EE1650M
Special features	incl. wall cladding; mounting below the air conditioner	inexpensive & robust	Pump block (IP55) can also be used in external tub	high flow rate & pump capacity
Noise level [db(A)]*	29	30	27	30
For air conditioners up to [kW]	10	50	50	30
Drive	Centrifugal pump	Centrifugal pump	Centrifugal pump	Solenoid pump
Mains voltage & frequency	230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz	230V, 50/60Hz
Dimensions L x B x H [mm]	165 x 65 x 85	200 x 105 x 160	185 x 85 x 100	244 x 174 x 144
Tank capacity [l]	0,2	1	0,5	2
Power consumption [W]	Operation: 48 | Standby: 0	Operation: 65 | Standby: 0	Operation: 65 | Standby: 1	Operation: 30 | Standby: 2,5
Max. flow rate [l/h]	120	200	350	32
Max. flow height [m]	1,5	4	4	15
Alarm switch	-	max. 230V, 3A (ohmic load) NO normally open NC normally closed	max. 230V, 8A (ohmic load) NO normally open NC normally closed	max. 230V, 8A (ohmic load) NO normally open NC normally closed
Switch points [mm]	-	-	Alarm: max. 55 Start: 52 ±1 Stop: 24 ±1	Alarm: max. 53 Start: 40 ±2 Stop: 30 ±2
Pressure hose [mm]	8 x 2	8 x 2	8 x 2	6 x 1,5

* Measured in the sound measurement room of Eckerle Hydraulic Division; microphone distance: 1.0 m axial

Item no.		Designation	Suitable for
	22003	Extension cable 3 m	EE600, EE1000, EE1750M, EE1800, EE2000
	22005	Extension cable 5m	
	22010	Extension cable 10m	
	22150	PVC hose | 50 m roll inner ø 6 x 1,5 mm	EE600, EE900M, EE1000, EE1650M, EE1750M, EE2000
	0505050024	PVC hose | 50 m roll inner ø 8 x 2 mm	EE150, EE300, EE400NEO
	21757	Inline filter	EE600, EE1000, EE1750M, EE1800, EE2000
	22011	Check valve	EE600, EE1000, EE1650M, EE1750M, EE1800, EE2000
	9001301002	Float switch	EE1750M, EE2000
	9001301008	Float switch	EE600, EE900M, EE1000, EE1800
	9704010011	Temperature sensor	EE900M
	1948050002	Hose connector (straight) ø 6 mm	EE600, EE900M, EE1000, EE1200, EE1650M, EE1750M, EE1800, EE2000
	9704010010	Hose connector (straight) ø 8 mm	EE150, EE300, EE400NEO
	112547	Hose connector 90° PVC 15 x 2 mm (for both float switches)	EE600, EE900M, EE1000, EE1750M, EE1800, EE2000

For further information please visit:
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Eckerle Technologies GmbH
Otto-Eckerle-Strasse 6/12A • 76316 Malsch, Germany
Tel.: +49 (0) 7246 9204-0 • E-Mail: marketing@eckerle.com

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