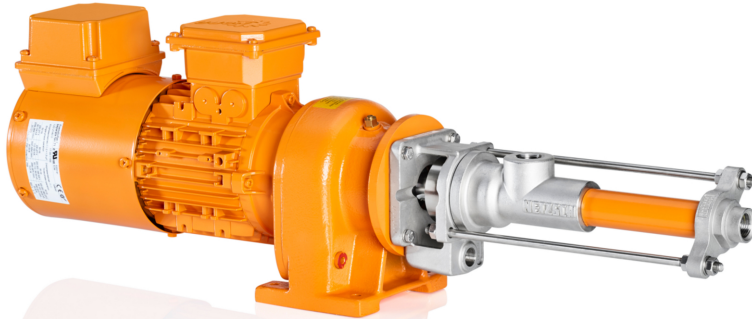


Eccentric Screw Pump Spectra

Pump ultra-gently, meter precisely and with a wealth of applications.



Capacity range 2.4 – 12,000 l/h, 12 – 3 bar

The eccentric screw pump Spectra has been designed for the transport of polymer solutions with a viscosity of up to 5,000 mPas. It is low-maintenance and can even be used if polymer solutions containing oil are to be metered.

The pumps are equipped with gear motors and external fans and can be operated via an external frequency converter. Protect the pump from running dry.

Your benefits

- Low-pulsation pumping
- Feed rate is proportional to the speed
- Reversible pumping direction

Field of application

Waste water treatment, sludge dewatering

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Technical Data

Without base plate

	Delivery rate at 3 bar	Maximum back pressure	Power uptake	Order no.
		bar	kW	
Spectra 12/2 F	0.24...2.4 l/h	12	0.37	1025284
Spectra 12/13 F	1.3...13.2 l/h	12	0.37	1025285
Spectra 12/33 F	3.3...33 l/h	12	0.37	1025286
Spectra 12/100 F	10...100 l/h	12	0.37	1025287
Spectra 6/300 F	30...300 l/h	6	0.37	1025288
Spectra 6/650 F	65...650 l/h	6	0.55	1025289
Spectra 5/1400 F	140...1,400 l/h	5	0.75	1025290
Spectra 3/3000 F	300...3,000 l/h	3	0.75	1025291
Spectra 3/6500 F	650...6,500 l/h	3	1.50	1025292
Spectra 3/12000 F	1,200...12,000 l/h	3	2.20	1025293

With base plate

	Delivery rate at 3 bar	Maximum back pressure	Power uptake	Order no.
		bar	kW	
Spectra 12/2 FB	0.24...2.4 l/h	12	0.37	1025294
Spectra 12/13 FB	1.3...13.2 l/h	12	0.37	1025295
Spectra 12/33 FB	3.3...33 l/h	12	0.37	1025296
Spectra 12/100 FB	10...100 l/h	12	0.37	1025297
Spectra 6/300 FB	30...300 l/h	6	0.37	1025298
Spectra 6/650 FB	65...650 l/h	6	0.55	1025299
Spectra 5/1400 FB	140...1,400 l/h	5	0.75	1025300
Spectra 3/3000 FB	300...3,000 l/h	3	0.75	1025301
Spectra 3/6500 FB	650...6,500 l/h	3	1.50	1025302
Spectra 3/12000 FB	1,200...12,000 l/h	3	2.20	1025303

Frequency Converters for Spectra

	Recommended for pumps up to	Order no.
SK500E – 550 0.55 kW, 1 ph, 230 V, incl. control panel	0.37 kW	1010980
SK500E – 750 0.75 kW, 1 ph, 230 V, incl. control panel	0.55 kW	1010981
SK500E – 111 1.10 kW, 1 ph, 230 V, incl. control panel	0.75 kW	1025304
SK500E – 151 1.50 kW, 1 ph, 230 V, incl. control panel	1.10 kW	1010982
SK500E – 221 2.20 kW, 3 ph, 400 V, incl. control panel	2.20 kW	1025305

The frequency converters do not form part of the Spectra scope of supply.

Motor Data

Electrical connection	Frequency	Enclosure rating	Overheating protection	Cooling
230/400 VAC, 3 ph	4 - 89 Hz	IP 55	3 PTC thermistors in winding	external fan 1~, 230 VAC, 50 Hz

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	Weight kg	Dimensions L x W x H (mm)	Housing material	Material rot. parts	Suction/discharge connection
Spectra 12/2 F	24	739 x 200 x 182	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/13 F	24	739 x 200 x 182	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/33 F	24	739 x 200 x 182	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/100 F	24	739 x 200 x 182	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 6/300 F	26	874 x 223 x 192	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 6/650 F	26	874 x 223 x 192	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 5/1400 F	26	874 x 223 x 192	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 3/3000 F	36	950 x 223 x 193	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 3/6500 F	56	1,172 x 237 x 224	Grey cast iron	Cr Ni Mo 17 – 12 – 2	DN 50, flange
Spectra 3/12000 F	81	1,487 x 264 x 244	Grey cast iron	Cr Ni Mo 17 – 12 – 2	DN 65, flange
Spectra 12/2 FB	28	739 x 220 x 232	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/13 FB	28	739 x 220 x 232	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/33 FB	28	739 x 220 x 232	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 12/100 FB	28	739 x 220 x 232	Cr Ni Mo 17 – 12 – 2	Cr Ni Mo 17 – 12 – 2	1/2", female
Spectra 6/300 FB	33	874 x 230 x 242	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 6/650 FB	33	874 x 230 x 242	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 5/1400 FB	33	874 x 230 x 242	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 3/3000 FB	44	950 x 230 x 242	Grey cast iron	Cr Ni Mo 17 – 12 – 2	1 1/4", female
Spectra 3/6500 FB	67	1,172 x 237 x 274	Grey cast iron	Cr Ni Mo 17 – 12 – 2	DN 50, flange
Spectra 3/12000 FB	96	1,487 x 265 x 294	Grey cast iron	Cr Ni Mo 17 – 12 – 2	DN 65, flange

LENNTECH
WATER TREATMENT SOLUTIONS

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