

NETZSCH



TORNADO® Rotary Lobe Pumps

T.Proc® – Reliable in your process

NETZSCH Pumps & Systems – Solutions you can trust ■

TORNADO® ROTARY LOBE PUMP

T.Proc®

Designed for applications in chemical and industrial processes

SERVICE FRIENDLY

OILFREE

PROCESS SAFETY

GENTLE MEDIA
HANDLING





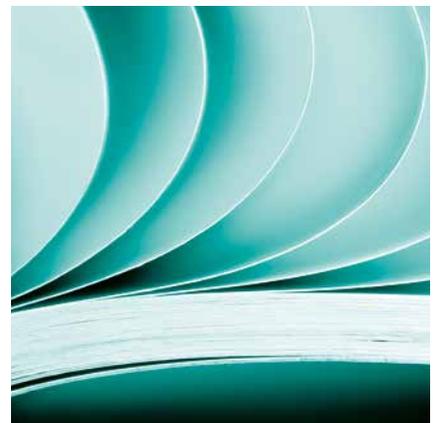
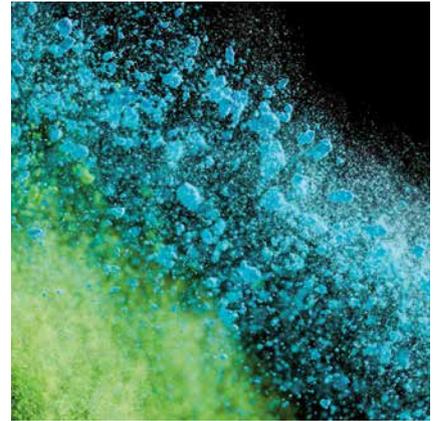
WEAR RESISTANT

DURABLE

RELIABLE

COMPACT

HYDRAULICALLY OPTIMIZED AND
WITH LOW PULSATION



The most suitable solution
for each application

Applications in process plants can be covered with different pumping systems. NETZSCH rotary lobe pumps convince because of their robust design, their small space requirements, their ease of maintenance and their reliability.

The T.Sano® rotary lobe pump is offered with different connections, such as DIN, ANSI, JIS and others.

The right choice

FOR YOUR APPLICATION

NETZSCH TORNADO® Rotary Lobe Pumps T.Proc® – Operating Parameters

Range	Model		Flowrate at nominal speed range (theoretical)**	Speed (nominal) recommended range	Flowrate at max. speed (theoretical)**	Speed max.
			appr. m ³ /h	rpm	m ³ /h	rpm
T2	08/8		1 to 7,6	100 to 500	10,5	800
T2	06/12		2 to 11	100 to 500	17	800
T1	MB-1		3 to 14	100 to 500	23	800
T1	MB-2		4 to 20	100 to 500	32	800
T2	04/45	08/45	8 to 39	100 to 500	46	600
T2	08/45		8 to 39	100 to 500	46	600
T2	03/70	06/70	12 to 58	100 to 500	70	600
T2	06/70		12 to 58	100 to 500	70	600
T2	04/100	08/100	16 to 82	100 to 500	99	600
T2	08/100		16 to 82	100 to 500	99	600
T2	08/200		41 to 161	150 to 500	200	600
T2	03/140	06/140	24 to 119	100 to 500	142	600
T2	06/140		24 to 119	100 to 500	142	600
T2	06/300		60 to 226	150 to 500	300	600
T1	XLB-2		30 to 151	100 to 500	166	550
T2	04/200	08/200	41 to 161	150 to 500	200	600
T1	XLB-3		43 to 214	100 to 500	235	550
T2	03/300	06/300	50 to 240	100 to 500	300	550
T1	XLB-4		60 to 302	100 to 500	332	550
T1	XLB-6/2		121 to 604	100 to 500	604	500
T1	XLB-8/2		181 to 905	100 to 500	905	500

* Temperature, depending on elastomer: 100° C, custom-made: 140° C

** Each flow rate can generally be covered with the conventional TORNADO® T1, too.

Discharge pressure (max.) continuous/ intermitted		Displacement (theoretical)	Flange connections	Pump head materials (wetted)
bar		l/r	mm/ANSI	material
8/10		0,23	32/1,5"	all metall
6/8		0,35	50/2"	all metall
6/8		0,47	65/2,5"	metal/elastomere*
6/8		0,67	80/3"	metal/elastomere*
4/6	8/10	1,27	80/3"	metal/elastomere*
8/10		1,27	80/3"	all metall
3/5	6/8	1,90	100/4"	metal/elastomere*
6/8		1,90	100/4"	all metall
4/6	8/10	2,74	125/5"	metal/elastomere*
8/10		2,74	125/5"	all metall
8		5,72	150/6"	metal/elastomere*
3/5	6/8	3,95	125/5"	metal/elastomere*
6/8		3,95	125/5"	all metall
6		7,95	200/8"	metal/elastomere*
4/6		5,03	150/6"	metal/elastomere*
4/6	8/10	5,07	150/6"	metal/elastomere*
4/6		7,12	150/6"	metal/elastomere*
3/5	6/8	7,95	200/8"	metal/elastomere*
4/6		10,06	200/8"	metal/elastomere*
4/5		20,12	250/10"	metal/elastomere*
3/5		30,18	250/10"	metal/elastomere*

Totally reliable

EVERYWHERE

Filling of abrasive and chemically aggressive adhesive agent.
Flowrate appr. 5 to 15 m³/h
against a discharge pressure
of 3 bar.



Pulsation free and media gentle
conveyance of offset paint.
Flowrate of appr. 20 m³/h against
a discharge pressure of 1,5 bar.





A TORNADO® pump in a paper factory for unloading Kaolin from tankers. Flow rate is 75 m³/h and pressure is 4 bar.



Mobile pumps: For industrial applications, where mobility and flexibility are required. Mobile units are designed to meet customer specification and requirement.



The NETZSCH Group is a mid-sized, family-owned German company engaging in the manufacture of machinery and instrumentation with worldwide production, sales, and service branches.

The three Business Units – Analyzing & Testing, Grinding & Dispersing and Pumps & Systems – provide tailored solutions for highest-level needs. Over 3,400 employees at 210 sales and production centers in 35 countries across the globe guarantee that expert service is never far from our customers.

The NETZSCH Business Unit Pumps & Systems offers with NEMO® progressing cavity pumps, TORNADO® rotary lobe pumps, NOTOS® multi screw pumps, macerators/grinders, dosing technology and equipment custom built and challenging solutions for different applications on a global basis.

NETZSCH Pumps & Systems – Solutions you can trust ■

BLUECOMPETENCE
Alliance Member

Partner of the Engineering Industry
Sustainability Initiative

NETZSCH Pumpen & Systeme GmbH
Geretsrieder Straße 1
84478 Waldkraiburg
Germany
Tel.: +49 8638 63-0
Fax: +49 8638 67981
info.nps@netsch.com

NETZSCH®

www.netsch.com