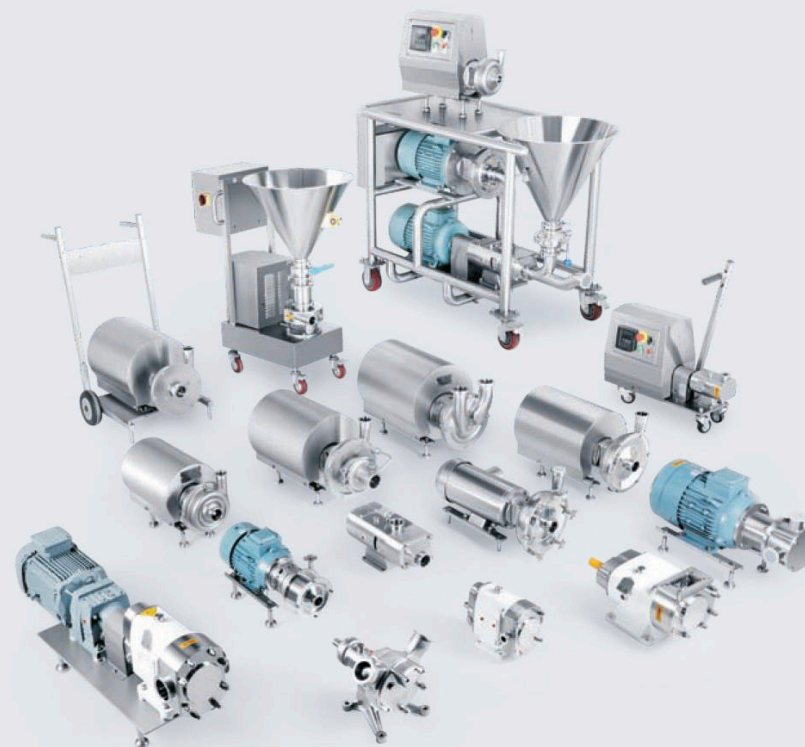




Beluno pumps



BELUNO



MINI STU-10 lobe pump

Flexible solution for two-direction reversible, high viscosity, low viscosity, all stainless steel, low pulse, liquid transportation



MINI-STU-R/L-10 Lobe Pump - Technical Characteristics Table - Selection Table

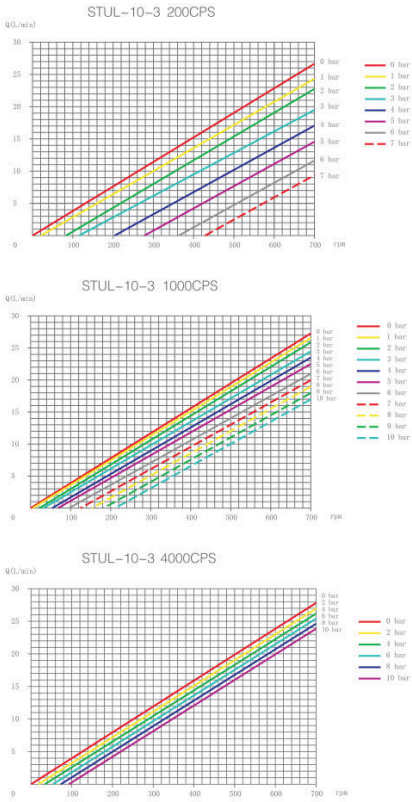
Model	Pressure (bar)	Motor (kw)	Inlet,Outlet size	Flow per revolution (L/R)	Recommended speed range (RPM)	Recommended speed range flow (L/h)	Recommended speed (RPM)	Recommended speed flow (L/h)	NW (KG)
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Technical parameters – Selection table for 3-leaves mini rotor pump

STU-R/L-10	2	0.75	1"-DN25	0.035	50-700	105	1470	500	1050	24
	3	1.5								31
	5	2.2								34
	10	3.0								43

Technical parameters – Selection table for 5-leaves mini rotor pump

STU-R/L-10	2	0.75	1"-DN25	0.03	50-700	90	1260	500	900	24
	3	1.5								31
	5	2.2								34
	10	3.0								43



Technical Specifications

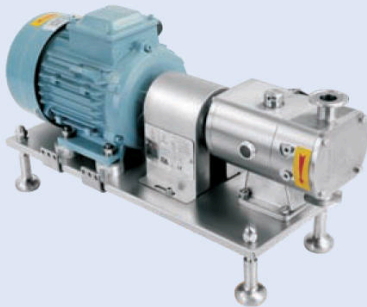
Max flow	3000L/h
Max pressure	12bar
Speed range	10-1450 R.P.M
Working temperature	-40°C to 150°C
Surface treatment	Ra<0.6 μ m; EP=Ra0.4 μ m
Material	100% stainless steel, parts contacting medium 316L Dual-phase steel 2205, Hastelloy alloy C276
Certification	3-A-02-12 No.1759; FDA 177.2600; CE-MD/06-42 No.705201402401-00

MINI STU-10 lobe pump

The design of each pump is based on – US Sanitary Standard "3A-02-12", EU Safety Directive Design "MD/06/42/EC"
International leading partners – Siemens, ABB, SEW, WH, Roplan, to ensure that each pump is more durable, efficient, clean and safe



Servo Motor Drive-MINI Rotor Pump



Motor direct connection type-MINI rotary lobe pump



Mobile-integrated control box rotary lobe pump

Integral control box rotary lobe pump

TU/STU series lobe pump



Solution for two-direction reversible,
high pressure, high and low viscosity, solid
granule high clean solution

There are 2 series of rotary lobe pumps:
TU series – cast iron gearbox
STU series–all stainless steel gearbox



Technical Specifications

Max.flow	90m ³ /h/395 GPM
Max.pressure	15bar/220 Psi
Max.Temperature	150°C/302°F
Max.rev	750 rpm
Material	316L, 1.4404, ASME BPE 316L, 1.4435 NB2 Fe≤0.5% Dual-phase steel 2205, Hastelloy alloy C276
Surface treatment	≤ Ra0.8 μm, ≤ Ra0.6 μm, ≤ Ra0.4 μm
Certification	3-A-02-12 No.1759; FDA 177.2600; CE-MD/06-42 No.705201402401-00

Rotor configurations

The design of each pump is based on –
US Sanitary Standard "3A-02-12",
EU Safety Directive Design "MD/06/42/EC"
International leading partners –
Siemens, ABB, SEW, WH, Roplan,
to ensure that each pump is more durable,
efficient, clean and safe

Different rotor configurations
are available for STU and TU series
rotary lobe pumps



Various Rotor Selection



Butterfly rotor (recommended):
With low particle breakage rate and
small pulse, suitable for transporting



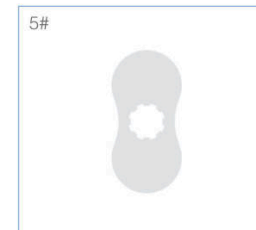
3-leaves rotor (optional):
With granule breakage rate and smaller pulse
than butterfly rotor, suitable for transporting all



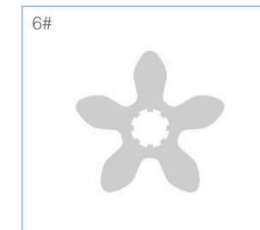
Spiral 3-leaves rotor (optional):
With low granule breakage rate, very
small pulse and high cost, suitable for



Single butterfly rotor (optional):
With low granule breakage rate for large
particle, large pulse, low pressure and
small volume, suitable for transporting
material with large particle.



2-leaves rotor (optional):
With granule breakage rate, large pulse,
low pressure and small volume, suitable
for transporting all kinds of material.



5-leaves rotor (optional):
With high granule breakage rate, very
small pulse and smaller flow, suitable for
transporting all kinds of material.

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.122	5.1	0.37	3.29	0.137	5.8	0.41	3.7
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.171	7.2	0.51	4.62	0.192	8.1	0.58	5.2
TUL/TUR-25	2"-DN50	15	700	50-450	0.240	10.1	0.72	6.48	0.270	11.3	0.81	7.3
TUL/TUR-30	2"-DN50	15	700	50-400	0.374	15.7	1.12	8.98	0.420	17.6	1.26	10.1
TUL/TUR-35	2.5"	12	700	50-400	0.468	19.7	1.40	11.23	0.526	22.1	1.58	12.6
TUL/TUR-55	DN65	12	500	50-350	0.531	15.9	1.59	11.15	0.597	17.9	1.79	12.5
TUL/TUR-60	3"	10	500	50-350	0.586	17.6	1.76	12.31	0.659	19.8	1.98	13.8
TUL/TUR-70	3"	15	500	50-350	1.371	41.1	4.11	28.79	1.511	45.3	4.53	31.7
TUL/TUR-80	DN80	15	500	50-350	1.371	41.1	4.11	28.79	1.511	45.3	4.53	31.7
TUL/TUR-100	4"-DN100	10	500	50-350	1.758	52.7	5.27	36.92	1.938	58.1	5.81	40.7
TUL/TUR-125	5"-DN125	10	500	50-350	2.233	67.0	6.70	46.89	2.461	73.8	7.38	51.7

TU/STU series lobe pump

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.121	5.1	0.36	3.27	0.136	5.7	0.41	3.7
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.171	7.2	0.51	4.62	0.192	8.1	0.58	5.2
TUL/TUR-25	2"-DN50	15	700	50-450	0.240	10.1	0.72	6.48	0.269	11.3	0.81	7.3
TUL/TUR-30	2"-DN50	15	700	50-400	0.374	15.7	1.12	8.98	0.417	17.5	1.25	10.0
TUL/TUR-35	2.5"	12	700	50-400	0.468	19.7	1.40	11.23	0.522	21.9	1.57	12.5
TUL/TUR-55	DN65	12	500	50-350	0.531	15.9	1.59	11.15	0.593	17.8	1.78	12.5
TUL/TUR-60	3"	10	500	50-350	0.586	17.6	1.76	12.31	0.654	19.6	1.96	13.7
TUL/TUR-70	3"	15	500	50-350	1.365	41.0	4.10	28.67	1.507	45.2	4.52	31.6
TUL/TUR-80	DN80	15	500	50-350	1.365	41.0	4.10	28.67	1.507	45.2	4.52	31.6
TUL/TUR-100	4"-DN100	10	500	50-350	1.750	52.5	5.25	36.75	1.932	58.0	5.80	40.6
TUL/TUR-125	5"-DN125	10	500	50-350	2.222	66.7	6.67	46.66	2.454	73.6	7.36	51.5

TU- & STU series lobe pump, parameter selection table

Model	Inlet/Outlet	Max pressure (bar)	Max speed per minute	Recommended speed range per minute	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)	Flow per revolution (L/R)	Max flow (m³/h)	Flow (m³/h)		
												
TUL/TUR-20	1"-DN25	15	700	50-450	0.137	5.8	0.41	3.70	0.144	6.0	0.43	3.9
TUL/TUR-23	1.5"-DN40	15	700	50-450	0.192	8.1	0.58	5.18	0.203	8.5	0.61	5.5
TUL/TUR-25	2"-DN50	15	700	50-450	0.270	11.3	0.81	7.29	0.285	12.0	0.86	7.7
TUL/TUR-30	2"-DN50	15	700	50-400	0.420	17.6	1.26	10.08	0.442	18.6	1.33	10.6
TUL/TUR-35	2.5"	12	700	50-400	0.526	22.1	1.58	12.62	0.554	23.3	1.66	13.3
TUL/TUR-55	DN65	12	500	50-350	0.597	17.9	1.79	12.54	0.629	18.9	1.89	13.2
TUL/TUR-60	3"	10	500	50-350	0.659	19.8	1.98	13.84	0.695	20.9	2.09	14.6
TUL/TUR-70	3"	15	500	50-350	1.511	45.3	4.53	31.73	1.584	47.5	4.75	33.3
TUL/TUR-80	DN80	15	500	50-350	1.511	45.3	4.53	31.73	1.584	47.5	4.75	33.3
TUL/TUR-100	4"-DN100	10	500	50-350	1.938	58.1	5.81	40.70	2.031	60.9	6.09	42.7
TUL/TUR-125	5"-DN125	10	500	50-350	2.461	73.8	7.38	51.68	2.579	77.4	7.74	54.2



TUL-Series



TUR-Series



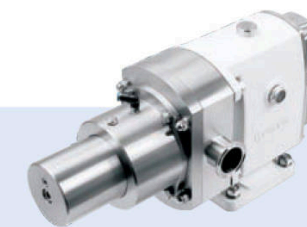
STUL-Series
All stainless steel



STUR-Series
All stainless steel



External safety valve +
heat-keeping system



Built-in security system

Configuration of various functions they are suitable for STU and TU series rotary lobe pumps

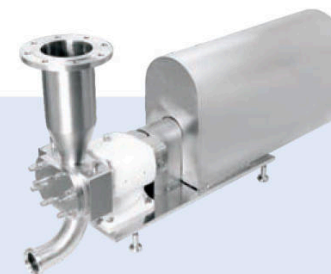
TU/STU series lobe pump



Square flange interface



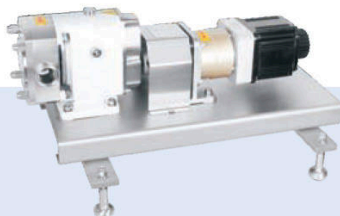
Fixed speed ratio motor reducer



Special-shaped inlets and outlets
can be customized according to users



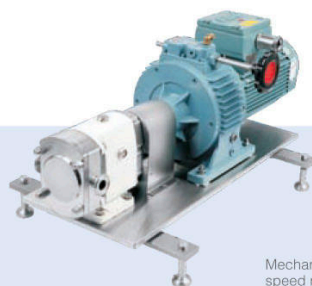
Control box + mobile car



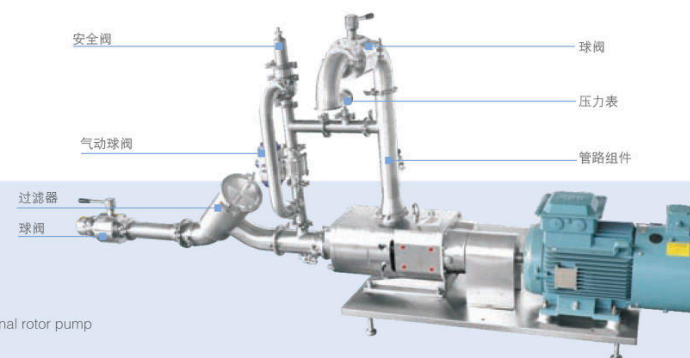
Servo motor drive



Trolley square hopper rotor pump



Mechanical stepless
speed regulation



Multifunctional rotor pump

Configuration of various functions they are suitable for STU and TU series rotary lobe pumps

TU/STU series lobe pump

Very wide range of applications



Food and Drink

Soups, Stews, Tomato Paste, Vegetables, Dressings, Chocolate, Fats & Oils, Cream Fillings, Brewery, Wort, Soft/Fruit Drinks, Meat Processing.



Dairy

Cream, milk, cheese curd and whey, cottage cheese, yogurt.



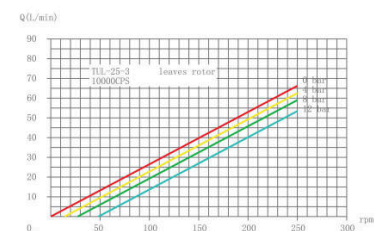
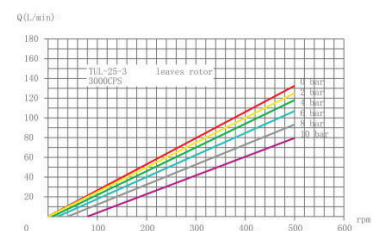
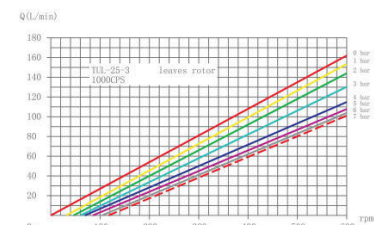
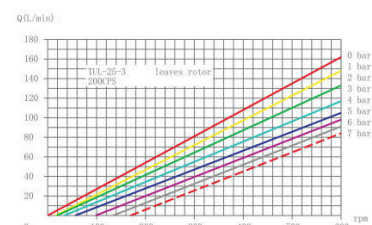
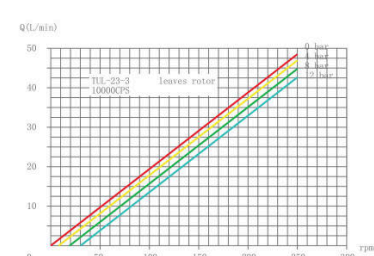
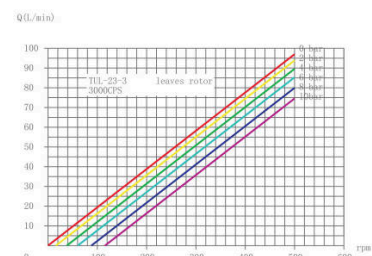
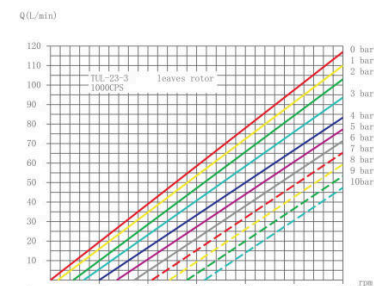
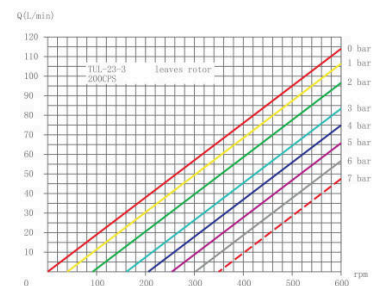
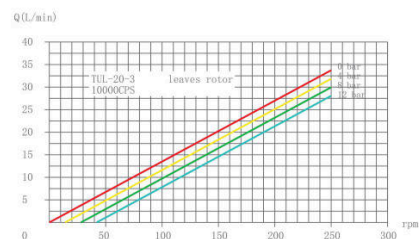
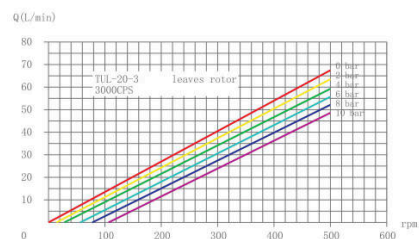
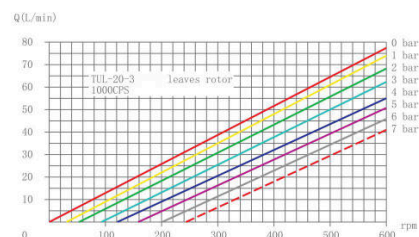
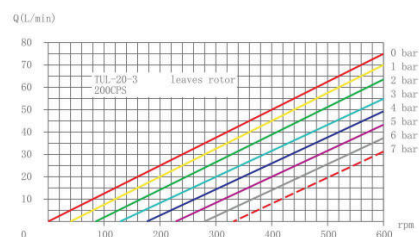
Pharmaceutical/Cosmetics

Pill Pastes, Syrups, Extracts, Slurries, Face Creams & Lotions, Hair Styling Gels & Liquids, Dyes & Alcohols, Soaps, Cosmetics.

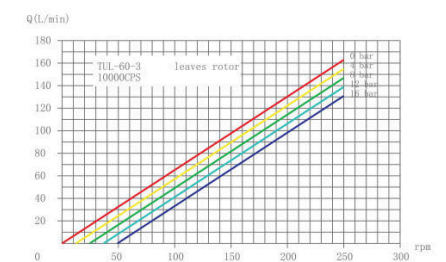
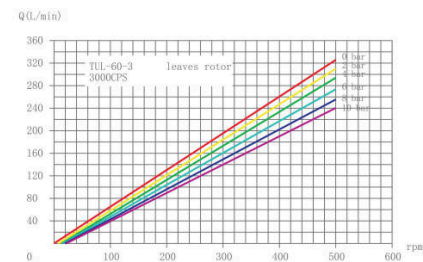
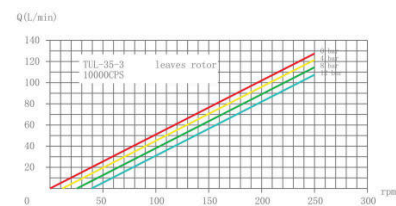
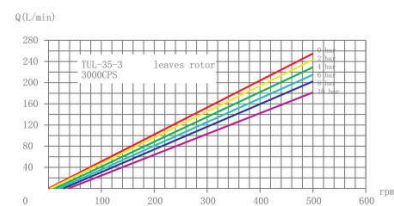
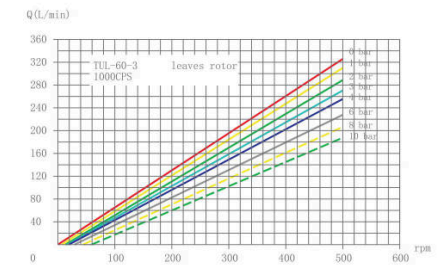
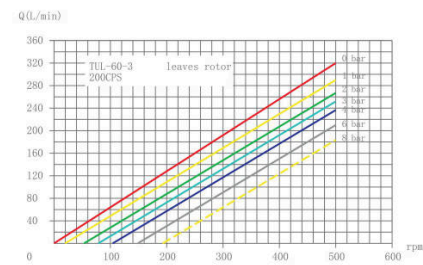
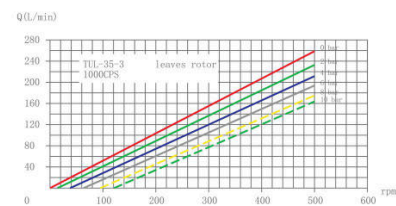
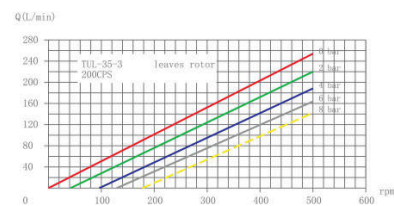
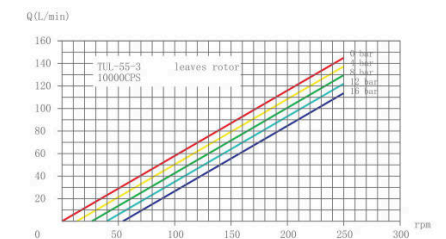
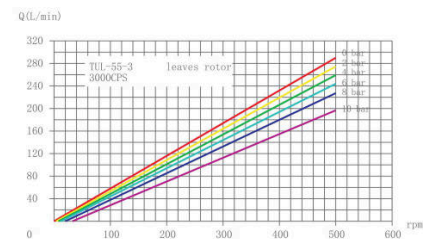
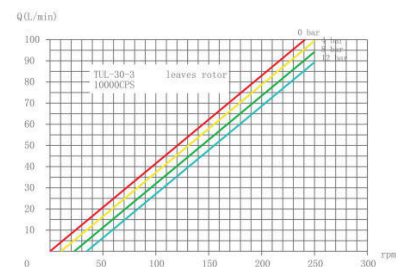
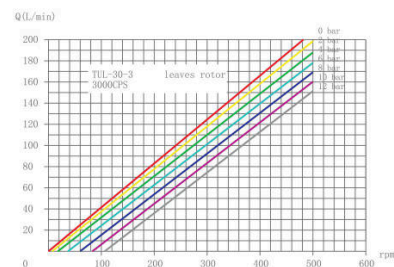
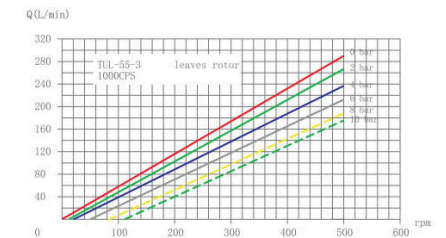
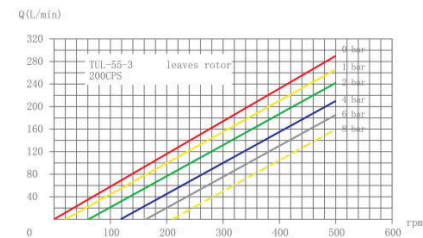
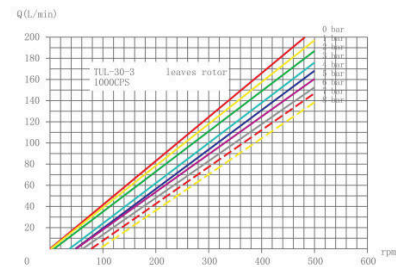
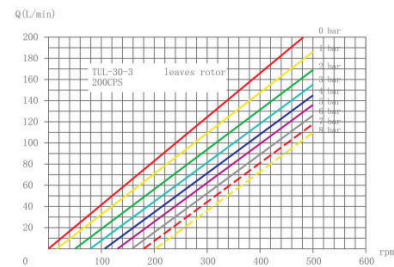


Chemical/Industrial

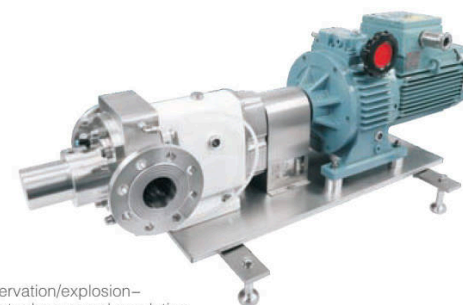
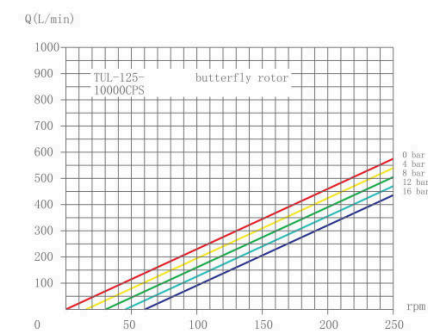
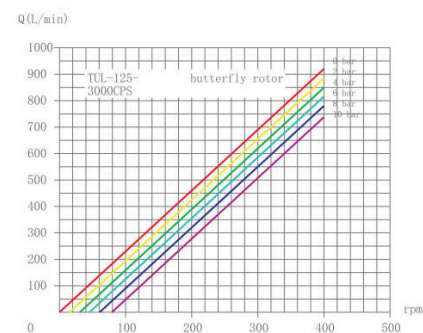
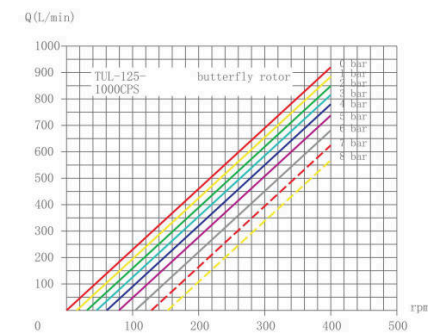
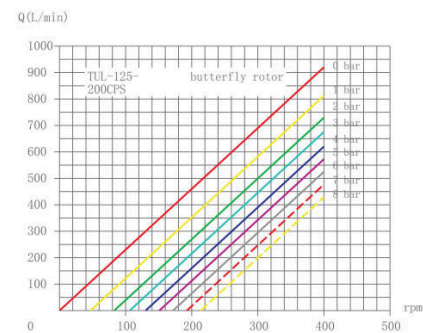
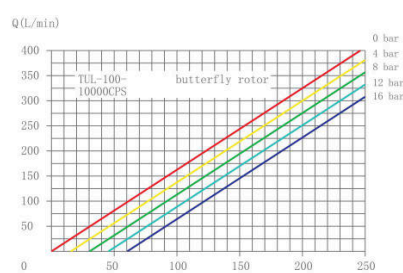
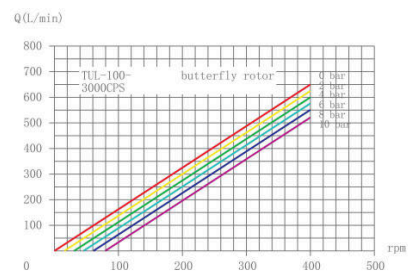
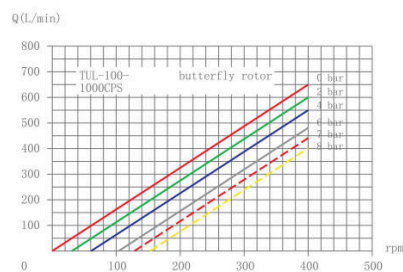
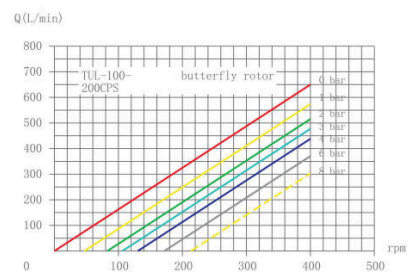
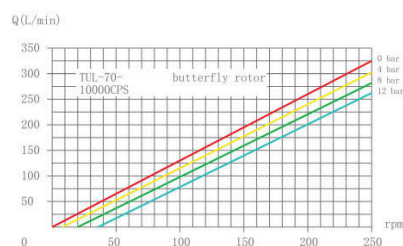
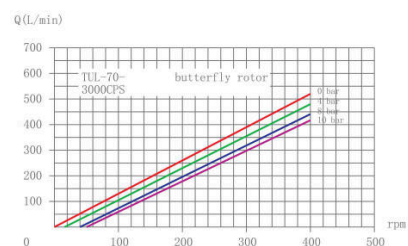
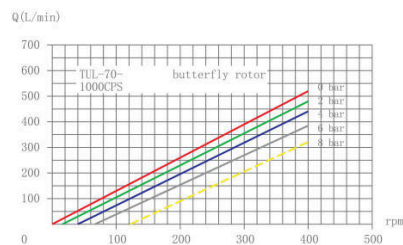
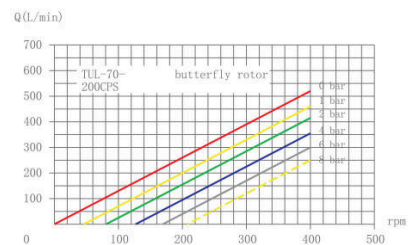
Solvents, Paints, Fuels, Resins, Polymers & Sludges, Oil & Lubricants.



TU/STU series lobe pump



TU/STU series lobe pump



Built-in safety/heat preservation/explosion-proof motor/mechanical stepless speed regulation